



SRE146K	Lipoproteins kit: Sudan Black staining solution	192 test
SRE141K	Serumproteins/Conc. Urine Proteins/Conc. CSF Kit: Red Ponceau S staining Solution	384 test
SRE143K	Alkaline Hemoglobins kit: Red Ponceau S staining Solution	192 test
SRE147K	Serumproteins/Conc. Urine Proteins/Conc. CSF Kit: Red Ponceau S staining Solution	576 test
SRE157K	Alkaline Hemoglobins kit: Red Ponceau S staining Solution	288 test
SRE158K	Acid Hemoglobins kit: Red Ponceau S staining Solution	288 test
SRE152K	Lipoproteins kit: Sudan Black staining solution	288 test
SRE600K	Serum Proteins N. 13 test per gel Acid Blue staining Solution	130 test
SRE601K	Serum Proteins N. 26 test per gel Acid Blue staining Solution	260 test
SRE636K	Serum Proteins N. 39 Samples per gel Acid Blue staining Solution	390 test
SRE602K	Serum Proteins $\beta 1/ \beta 2$ N. 13 test per gel Acid Blue staining Solution	130 test
SRE603K	Serum Proteins $\beta 1/ \beta 2$ N. 26 test per gel Acid Blue staining Solution	260 test
SRE637K	Serum Proteins $\beta 1/ \beta 2$ N. 39 Samples per gel Acid Blue staining Solution	390 test
SRE604K	Alkaline Hemoglobins N. 13 test per gel Acid Blue staining Solution	130 test
SRE605K	Acid Hemoglobins N. 13 test per gel Acid Blue staining Solution	130 test
SRE606K	Lipoproteins N. 13 test per gel Sudan Black staining Solution	130 test
SRE621K	Lipoproteins N. 26 test per gel Sudan Black staining Solution	260 test
SRE607K	Microgel H.R. Proteins N. 13 test per gel Acid Violet staining Solution	130 test
SRE610K	ALP Isoenzymes Kit N. 13 test per gel	130 test
SRE611K	CK Isoenzymes Kit N. 13 test per gel	130 test
SRE612K	LDH Isoenzymes Kit N. 13 test per gel	130 test
SRE620K	SDS Urine N. 7 test per gel	70 test
SRE622K	Isoelectrofocusing of CSF kit 6 pairs for gel	60 test
SRE623K	Immunofixation N. 2 Samples per gel Acid Blue staining Solution WITHOUT ANTISERA	20 test
SRE624K	Immunofixation N. 4 Samples per gel Acid Blue staining Solution WITHOUT ANTISERA	40 test
SRE643K	Immunofixation N. 6 Samples per gel Acid Blue staining Solution WITHOUT ANTISERA	60 test
SRE627K	Immunofixation N. 2 Samples per gel Acid Violet staining Solution WITHOUT ANTISERA	20 test
SRE628K	Immunofixation N. 4 Samples per gel Acid Violet staining Solution WITHOUT ANTISERA	40 test
SRE639K	Immunofixation N. 6 Samples per gel Acid Violet staining Solution WITHOUT ANTISERA	60 test
SRE625K	Immunofixation Bence Jones N. 2 Samples per Gel Acid Violet staining Solution WITHOUT ANTISERA	20 test
SRE626K	Immunofixation Bence Jones N. 4 Samples per Gel Acid Violet staining Solution WITHOUT ANTISERA	40 test
SRE640K	Immunofixation Bence Jones N. 6 Samples per Gel Acid Violet staining Solution WITHOUT ANTISERA	60 test
SRE629K	Pentavalent Immunofixation N. 6 samples per Gel. Acid Violet staining solution WITHOUT ANTISERA	60 test



SRE630K	Pentavalent Immunofixation N. 12 samples per Gel. Acid Violet staining solution WITHOUT ANTISERA	120 test
SRE635K	Isoelectrofocusing A1AT N. 13 Samples per gel	130 test
SRE201M	Destain Solution for Acid Blue , Sudan Black and Acid Violet	6 x 100ml

ANTISERA

Code	Description	Test
SCE232M	Antisera kit FIX/IgG/IgA/IgM/Kappa/Lambda (for SRE623K/SRE624K/SRE643K/SRE627K/SRE628K/SRE639K)	40 test
SCE280M	Antisera kit trivalent GAM/Kappa/Lambda/Kappa Free/ Lambda Free (for SRE625K/SRE6264K/SRE640K)	40 test
SCE184M	Antisera kit FIX /Pentavalent Antisera (for SRE629K/SRE630K)	120 test

CONTROL SERA

Code	Description	for	Package
SCE123A	Microcal normal control serum	Serum	6 x 0.5 ml
SCE126A	Microcal Abnormal control serum	Serum and lfe	3 x 0.5 ml
SCE124E	LDH -- CK control serum kit	Isoenzymes LDH - CK	3 x 0.5 ml
SCE127E	Microem control serum specific for Hemoglobins AFSA2	Hb	4 x 0.5 ml
SCE130E	Microem control serum specific for Hemoglobins AFSC	Hb	1 x 1 ml

I suddetti prodotti, in base all'art. 4 della direttiva 98/79/CE, sono di libera circolazione e possono essere messi in commercio in Italia e in tutto il territorio dell'Unione Europea. Si rilascia il presente attestato su richiesta dell'interessato per gli usi consentiti dalla legge e per l'esportazione.

The above mentioned products, according to the art. 4 of 98/79/EC directive, can freely circulate and can be commercialized in Italy and in the whole of the European Union. This certificate is issued on the interested company's request according to the law and for exporting.

IL DIRETTORE DELL'UFFICIO IV
 (Dott.ssa Giovanna Nisticò)
Giovanna Nisticò

IC/CM

Ministero della Salute

DGFDM

0003710-P-01/02/2011

I.5.l.e.2/2011/15



83778833



Ministero della Salute

DIPARTIMENTO DELL'INNOVAZIONE
DIREZIONE GENERALE DEI FARMACI E DISPOSITIVI MEDICI
UFFICIO IV

DGFDM/IV/I.5.l.e.2/2011/15/P

ATSIŽVELGIANT į 98/79/EB direktyvą dėl *in vitro* diagnostikos medicinos prietaisų;
ATSIŽVELGIANT į įstatymų leidėjų dekretą (D.lgs.) nr. 332/2000 atitikimo 98/79/EC Direktyvai ataskaitą;
ATSIŽVELGIANT į 2011/01/11 įmonės Interlab Sri located in Via Rina Monti, 26 - 00155 Roma (RM) - Italija, C.F. 02613580584 - P.Iva 01087511000 raštu pateiktą prašymą;
ATSIŽVELGIANT Į TAI, KAD 2004 m. gegužės mėn. 24 d. ši įmonė sumokėjo reikalaujamus Ministerijos[saku (D.M.) mokesčius.;
ATSIŽVELGIANT į oficialius dokumentus;

PATVIRTINAMA

Kad įmonė Interlab Sri located in Via Rina Monti, 26 - 00155 Roma (RM) - Italija, C.F. 02613580584 ir P.Iva 01087511000, prideda CE žymėjimą kaip in vitro diagnostikos Medicinos prietaisams, pagal Direktyvą 98/79/EC, šiems produktams;

INSTRUMENTAI

<i>Kodas</i>	<i>Aprašymas</i>
SSE129M	GENIO S: Pilnai Automatinė Elektroforezės Sistema skirta: Serumo Baltymams, Lipoproteinams, Hemoglobinams, Šlapimo Baltymams, Nekoncentruotiems Šlapimo Baltymams ir CSS
SSE124M	MICROTECH 648 ISO: Pilnai Automatinė Elektroforezės Sistema skirta: Serumo Baltymams, Lipoproteinams, Hemoglobinams, Šlapimo Baltymams, Nekoncentruotiems Šlapimo Baltymams ir CSS
SSE126M	MICROTECH 648 ISO su Inkubatoriumi: Pilnai Automatinė Elektroforezės Sistema skirta: Serumo Baltymams, Lipoproteinams, Hemoglobinams, LDH, CPK, ALP, Šlapimo Baltymams, Nekoncentruotiems Šlapimo Baltymams ir CSS
SSE117M	MICROTECH 648PC: : Pilnai Automatinė Elektroforezės Sistema skirta: Serumo Baltymams, Lipoproteinams, Hemoglobinams, Šlapimo Baltymams, Nekoncentruotiems Šlapimo Baltymams ir CSS
SSE119M	MICROTECH 672PC: Pilnai Automatinė Elektroforezės Sistema skirta: Serumo Baltymams, Lipoproteinams, Hemoglobinams, Šlapimo Baltymams, Nekoncentruotiems Šlapimo Baltymams ir CSS
SSE200M	Microgel: Pilnai Automatinė Agarozės Gelio Elektroforezės Sistema skirta: Serumo Baltymams, Lipoproteinams, Hemoglobinams, Nekoncentruotiems Šlapimo Baltymams, CSC, LDH, CPK, ALP ir Imunofiksacijai
SAE814M	Easy Mask skirtas Microgel: įrankis skirtas imunofiksacijos ir izofermetų testams atlikti
SSE203M	Interlab G26: Pilnai Automatinė Agarozės Gelio Elektroforezės Sistema skirta: Serumo Baltymams, Lipoproteinams, Hemoglobinams, Nekoncentruotiems Šlapimo Baltymams, CSS, LDH, CPK, ALP ir Imunofiksacijai
SSE204M	Interlab G26: Pilnai Automatinė Agarozės Gelio Elektroforezės Sistema skirta: Serumo Baltymams, Lipoproteinams, Hemoglobinams, Nekoncentruotiems Šlapimo Baltymams, CSS, LDH, CPK, ALP ir Imunofiksacijai
SAE910M	Easy Mask skirtas Interlab G26: įrankis skirtas imunofiksacijos ir izofermetų testams atlikti
SSE202M	AUTOMATINIS MĖGINIŲ ĖMIKLIS / SKIEDEJAS ASD 52

RINKINIAI

<i>Kodas</i>	<i>Aprašymas</i>	<i>Pakuotė</i>
SRE174K	Serumo Baltymų rinkinys: Red Ponceau S dažymo tirpalas	384 testai
SRE186K	Serumo Baltymų rinkinys: Red Ponceau S dažymo tirpalas	192 testai
SRE175K	Lipoproteinų rinkinys: Sudano Juodojo dažymo tirpalas	192 testai
SRE187K	Lipoproteinų rinkinys: Sudano Juodojo dažymo tirpalas	96 testai
SRE176K	Šarminių Hemoglobinių rinkinys: Red Ponceau S dažymo tirpalas	384 testai
SRE188K	Šarminių Hemoglobinių rinkinys: Red Ponceau S dažymo tirpalas	192 testai
SRE166K	Rūgštinių Hemoglobinių rinkinys: Red Ponceau S dažymo tirpalas	96 testai
SRE204K	Serumo Baltymų /Konc. Šlapimo Baltymų/Konc. CSS Rinkinys: Red Ponceau S dažymo tirpalas	384 testai
SRE205K	Šarminių Hemoglobinių rinkinys: Red Ponceau S dažymo tirpalas	192 testai

SRE146K	Lipoproteinų rinkinys: Sudano Juodojo dažymo tirpalas	192 testai
SRE141K	Serumo Baltymų /Konc. Šlapimo Baltymų/Konc. CSS Rinkinys: Red Ponceau S dažymo tirpalas	384 testai
SRE143K	Šarminių Hemoglobinių rinkinys: Red Ponceau S dažymo tirpalas	192 testai
SRE147K	Serumo Baltymų /Konc. Šlapimo Baltymų/Konc. CSS Rinkinys: Red Ponceau S dažymo tirpalas	576 testai
SRE157K	Šarminių Hemoglobinių rinkinys: Red Ponceau S dažymo tirpalas	288 testai
SRE158K	Rūgštinių Hemoglobinių rinkinys: Red Ponceau S dažymo tirpalas	288 testai
SRE152K	Lipoproteinų rinkinys: Sudano Juodojo dažymo tirpalas	288 testai
SRE600K	Serumo Baltymai N. 13 testų geliui Rūgštinio Mėlynojo dažymo tirpalas	130 testų
SRE601K	Serumo Baltymai N. 26 testai geliui Rūgštinio Mėlynojo dažymo tirpalas	260 testų
SRE636K	Serumo Baltymai N. 39 testai geliui Rūgštinio Mėlynojo dažymo tirpalas	390 testų
SRE602K	Serumo Baltymai (31/ (32 N. 13 testų geliui Rūgštinio Mėlynojo dažymo tirpalas	130 testų
SRE603K	Serumo Baltymai (31/ (32 N. 26 testai geliui Rūgštinio Mėlynojo dažymo tirpalas	260 testų
SRE637K	Serumo Baltymai (31/ (32 N. 39 testai geliui Rūgštinio Mėlynojo dažymo tirpalas	390 testų
SRE604K	Šarminiai Hemoglobiniai N. 13 testų geliui Rūgštinio Mėlynojo dažymo tirpalas	130 testų
SRE605K	Rūgštiniai Hemoglobiniai N. 13 testų geliui Rūgštinio Mėlynojo dažymo tirpalas	130 testų
SRE606K	Lipoproteinai N. 13 testų geliui Sudano Juodojo dažymo tirpalas	130 testų
SRE621K	Lipoproteinai N. 26 testai geliui Sudano Juodojo dažymo tirpalas	260 testų
SRE607K	Microgel H.R. Baltymai N. 13 testų geliui Rūgštinio Violetinio dažymo tirpalas	130 testų
SRE610K	ALP Izofermentų rinkinys N. 13 testų geliui	130 testų
SRE611K	CK Izofermentų rinkinys N. 13 testų geliui	130 testų
SRE612K	LDH Izofermentų rinkinys N. 13 testų geliui	130 testų
SRE620K	SDS Šlapimo N. 7 testai geliui	70 testų
SRE622K	CSS izoelektrofokusavimo rinkinys 6 poros geliui	60 testų
SRE623K	Imunofiksacija N. 2 mėginiai Geliui. Rūgštinio Mėlynojo dažymo tirpalas BE ANTISERUMO	20 testų
SRE624K	Imunofiksacija N. 4 mėginiai Geliui. Rūgštinio Mėlynojo dažymo tirpalas BE ANTISERUMO	40 testų
SRE643K	Imunofiksacija N. 6 mėginiai Geliui. Rūgštinio Mėlynojo dažymo tirpalas BE ANTISERUMO	60 testų
SRE627K	Imunofiksacija N. 2 mėginiai Geliui. Rūgštinio Violetinio dažymo tirpalas BE ANTISERUMO	20 testų
SRE628K	Imunofiksacija N. 4 mėginiai Geliui. Rūgštinio Violetinio dažymo tirpalas BE ANTISERUMO	40 testų
SRE639K	Imunofiksacija N. 6 mėginiai Geliui. Rūgštinio Violetinio dažymo tirpalas BE ANTISERUMO	60 testų
SRE625K	Imunofiksacija Bence Jones N. 2 mėginiai Geliui. Rūgštinio Violetinio dažymo tirpalas BE ANTISERUMO	20 testų
SRE626K	Imunofiksacija Bence Jones N. 4 mėginiai Geliui. Rūgštinio Violetinio dažymo tirpalas BE ANTISERUMO	40 testų
SRE640K	Imunofiksacija Bence Jones N. 6 mėginiai Geliui. Rūgštinio Violetinio dažymo tirpalas BE ANTISERUMO	60 testų
SRE629K	Penkiavalentė Imunofiksacija N. 6 mėginiai Geliui. Rūgštinio Violetinio dažymo tirpalas BE ANTISERUMO	60 testų

SRE630K	Penkiavalentė Imunofiksacija N. 12 mėginiai Geliui. Rūgštinio Violetinio dažymo tirpalas BE ANTISERUMO	120 testų
SRE635K	Izoelektrofokusavimas A1AT N. 13 mėginiai Geliui	130 testų
SRE201M	Blukinimo Tirpalas Rūgštiniam Mėlynajam, Sudano Juodajam ir Rūgštiniam Violetiniam dažams	6x100ml

ANTISERUMAI

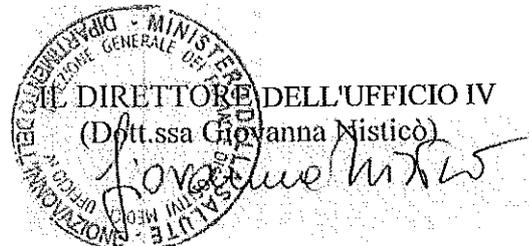
Kodas	Aprašymas	Testai
SCE232M	Antiserumo rinkinys FIX/IgG/IgA/IgM/Kappa/Lambda (skirtas SRE623K/SRE624K/SRE643K/SRE627K/SRE628K/SRE639K)	40 testų
SCE280M	Antiserumo rinkinys trivalentis GAM/Kappa/Lambda/Kappa Free/ Lambda Free (skirtas SRE625K/SRE6264K/SRE640K)	40 testų
SCE184M	Antiserumo rinkinys FIX /Penkiavalentis Antiserumas (skirtas SRE629K/SRE630K)	120 testų

KONTROLINIAI SERUMAI

Kodas	Aprašymas	skirta	Pakuotė
SCE123A	Microcal normalus kontrolinis serumas	Serumui	6 x 0.5 ml
SCE126A	Microcal nenormalus kontrolinis serumas	Serumui ir lfe	3 x 0.5 ml
SCE124E	LDH - CK kontrolinio serumo rinkinys	Izoefermentams LDH - CK	3 x 0.5 ml
SCE127E	Microem kontrolinis serumas specifinis Hemoglobinams AFSA2	Hb	4 x 0.5 ml
SCE130E	Microem kontrolinis serumas specifinis Hemoglobinams AFSC	Hb	1 x 1 ml

Aukščiau minėti produktai pagal Direktyvos 98/79/EB 4 straipsnį gali būti laisvai platinami ir parduodami Italijoje ir visoje Europos Sąjungoje. Šis sertifikatas išduotas remiantis suinteresuotos įmonės prašymu pagal įstatymus ir dėl eksportavimo.

IC/CM



ELECTROPHORETIC PROCEDURE FOR SERUM PROTEINS β 1- β 2 AND CONCENTRATED URINES FOR Microgel and Interlab G26

Kit Ref.: SRE602K - SRE603K

Intended use

The kits for Serum Protein β 1- β 2 Electrophoresis (SPE) and concentrated urines, SRE602K and SRE603K, are intended for the separation of proteins in human serum and concentrated urines by electrophoresis on agarose gel plates. The Serum Protein electrophoresis kits SRE602K and SRE603K are intended for the separation of proteins in human serum by electrophoresis on agarose gel plates. Human serum proteins are separated into six distinct, well resolved zones or bands, each containing one or more different proteins. The patterns are examined visually for abnormalities, including variations of the bands or appearance of extra bands. Densitometry of the pattern allows the relative quantification of protein zones.

The Interlab SRE602K and SRE603K have been designed for use with the fully automated instrument Microgel/Interlab G26

Summary

Human body fluids contain a varied mixture of proteins and protein complexes. Each of these protein entities fulfills a specific function within the life process. It is well known that the levels of various proteins in blood serum bear a close relationship to the state of health and disease. The concentration and compositions of the proteins in excess of one hundred contained in the serum may vary due to physiological and pathological conditions. Among the laboratory methods available for the separation of proteins, electrophoresis is a well established and versatile technique widely used in clinical chemistry. Serum Protein Electrophoresis (SPE) on agarose gel at pH 8.9, performed with these kits, yields six bands: albumin and five globulins called alpha 1 (α 1), alpha 2 (α 2), beta1 (β 1), beta2 (β 2) and gamma (γ). Each globulin fraction contains different proteins. Evaluation of single bands by visual inspection provides valuable diagnostic support offering a display of the major proteins involved in functional and pathological processes.^{2,3}

Electrophoresis of urinary proteins allows assessment the type of renal damage according to the qualitative composition and the positions of the bands in the pattern. Comparison between the positions of the bands in the urine protein pattern with those in the serum proteins pattern, enclosed in the analysis as a reference, allows identification of proteinurias of glomerular, tubular and mixed origin and proteinurias caused by the presence of Bence-Jones.

Principle

Electrophoresis separates serum proteins and concentrated urine proteins according to their specific mobility when subjected to an electric field. Every molecule has an electrical charge due to the presence of positive and negative charged groups. The net charge defines the electrophoretic migration characteristics of each protein species at a given pH. With the Interlab SPE procedure, proteins are separated at alkaline pH by zone electrophoresis on agarose gel plates. When the migration is complete, the gel plate is stained with Acid Blue to identify proteins. The gel plate is then destained to a clear background, dried and scanned to give a pattern graph and the densitometric values of the main fractions. When the electrophoretic separation of the bands is complete, the agarose gel plate is denaturated, stained with Acid Blue, destained and dried. The patterns are then scanned and densitometric results are shown together with the graph.

Material provided in the kits:

Kit Ref.: SRE602K
130 Tests, 13 samples per Gel Plate

Ref.	Description	Q.ty
SFE 165M	Agarose Gel Plate	10
SCE 151M	Buffered Sponges (10 pcs)	2
SRE601A	Acid Blue Stain Solution (100ml)	1
SRE 150M	Washing Solution for Applicators (80ml)	1
SAE 605M	Disposable Sample Plates (10 pcs)	1
SCE 602A	Blotters A (10)	1
PK119	Electrophoretic Procedure for Serum Proteins β 1- β 2 and Concentrated Urines	

Kit Ref.: SRE603K

260 Tests, 26 samples per Gel Plate

Ref.	Description	Q.ty
SFE 164M	Agarose Gel Plate	10
SCE 158M	Buffered Sponges (15 pcs)	2
SRE601A	Acid Blue Stain Solution (100ml)	1
SRE 150M	Washing Solution for Applicators (80ml)	1
SAE 605M	Disposable Sample Plates (10 pcs)	1
SCE 602A	Blotters A (10 pcs)	1
PK119	Electrophoretic Procedure for Serum Proteins β 1- β 2 and Concentrated Urines	

Warning: These kits are for in vitro diagnostic use only! In order to ensure best performances, use all reagents from the same kit and follow instructions of the procedure.

Additional Materials Required But Not Provided

Ref.	Description	Q.ty
SRE201M	Destain Solution Pack	6x100 ml
SCE123A	Normal Control Serum	6 vials
SCE126A	Abnormal Control Serum	3 vials

> Micropipettes for dispensing 100 μ l, 1000 μ l; pipettes for dispensing 10 ml.
> Distilled Water.

Description

1. Agarose gel plates

Composition: Each plate contains agarose in Tris-Barbital buffer with preservative and stabilizer.

R: 22 Harmful if swallowed.

R: 36/38 Irritating to eyes and skin.

S: 26 In case of contact with eyes, flush immediately with copious amount of water

S: 28 In case of contact with skin, flush immediately with copious amount of water

S: 46 If swallowed, seek medical advice

Preparation for use : Packaged plates are ready to use.

#255.1

Storage and Stability: Store at room temperature (15° to 30°C).

Do not refrigerate or freeze the plates!

IMPORTANT: store gel plates in horizontal position.
Gel Plates are stable until the expiration date shown on the label.
Do not use gels after their expiration date.

Signs of deterioration:

- Presence of liquid or moisture inside the packaging of the gel
- Variable gel thickness.
- Presence of bacterial or mould growth due to contamination.

2. Buffered Sponges

Buffer Composition: Alkaline buffer containing Tris-Barbital added with stabilizer and preservative.

- R: 25 Toxic if swallowed
- R: 36/38 Irritating to eyes and skin.
- R: 52 Harmful to aquatic organisms.
- S: 26 In case of contact with eyes, flush immediately with copious amounts of water
- S: 46 If swallowed, seek medical advice immediately and show this container or label.

Preparation for use: Soaked sponges are ready to use.

Storage and Stability: Store at room temperature (15° to 30°C).

Buffered Sponges are stable until the expiration date shown on the label.

Do not use after their expiration date.

Sign of Deterioration: Discard if the package is opened or the strips are dried out.

N.B. Black or brown spots on buffered sponges may occasionally appear: they do not affect the quality of the results.

3. Acid Blue Stain Solution

Composition: Acid Blue in concentrated Acetic Acid solution.

- R: 10 Flammable.
- R: 35 Causes severe burns.
- R: 36/37/38 Irritating for eyes, respiratory system and skin.
- S: 23 Do not breathe vapours.
- S: 26 In case of contact with eyes, rinse immediately with plenty of water.
- S: 37/39 Wear suitable protective gloves and eye protection

Preparation for use: Dilute the concentrated stain solution up to 1 L with distilled water. Mix for about 10 minutes until the stain is completely dissolved.

Storage and stability: Store at room temperature (15° to 30°C).

The stain solution stored in a tightly capped bottle is stable at room temperature (15° to 30°C) for about 6 months.

The solution should not be used for more than 10 staining cycles (ten agarose gel plates) !

For Interlab G26 the solution should be replaced every 5 staining cycles (5 agarose gel plates).

Signs of Deterioration: None

4. Washing solution for applicators

Composition: Aqueous solution of surfactant with a preservative.

Preparation for use: Washing solution is ready to use.

Signs of deterioration : Presence of cloudy precipitation.

Storage and Stability: Store at room temperature (15°C to 30°C). The solution is stable until the expiration date.

5. Disposable sample plate

Composition : Disposable plastic plates, with micro-wells for samples.

Preparation for use: Disposable sample plates are ready to use.

Storage: Store at room temperature (15°C to 30°C).

6. Blotters

Composition : Thin sheets of blotting paper, for absorbing the excess of buffer solution from the agarose gel plate.

Preparation for use: The blotters are ready to use.

Storage: Store at room temperature (15°C to 30°C).

7. Destain solution (Ref.: SRE201M; NOT INCLUDED IN THE KIT)

Composition : Concentrated solution of citric acid in aqueous solution.

R: 36/38 Irritating for eyes and skin

R: 41 Risk of serious damage to eyes.

S: 37/39 Wear suitable gloves and eye/face protection

Preparation for use: Dilute 1 ml of SRE201A solution up to 1 l with distilled water.

Storage and Stability: Store at room temperature (15°C to 30°C) until the expiration date shown on the label. The diluted solution is stable for 2 weeks at room temperature.

Signs of deterioration : Presence of cloudy precipitation and black oxidative spots..

Considerations on disposal and unusual risks

For the safe waste disposal operate in agreement with local regulations.

However for all the information about safe waste disposal consult the Reagents Safety Sheet available from the Technical Service Department of the supplier.

For precautions to be taken against any special, unusual risks related to the use or disposal of the device, including special protective measures, consult the Reagents Safety Sheet available from the Technical Service Department of the supplier.

Specimen collection, treatment and storage

Samples should be collected following laboratory's procedures and according to the Good

Laboratory Practice (GLP) Guidelines.

Fresh serum and urine samples are recommended for the tests.

Samples can be stored tightly capped up to tree days at 2 - 8°C.

Sample preparation

1. **Serum:** Use neat serum. If total protein concentration exceeds 100g/L dilute sample with normal saline (0.9% w/v NaCl) to a final concentration in the range 60 - 80 g/L.

2. **Concentrated urine:** Concentrate urine to a final total protein value \geq 20 g/L. It is recommended to centrifuge the samples before use. If salt concentration is high, dialyze the urine.

Samples to avoid

➤ Do not use hemolyzed serum sample. Hemolysis may produce an abnormal additional band in the alpha 2 zone and/or alpha 2 zone cathodal shift.

➤ Avoid plasma samples. Fibrinogen appears like a band that can be erroneously interpreted as a suspected monoclonal component.

➤ Do not use aged urine samples as degradation of proteins may occur.

How to start the analysis

Microgel/Interlab G26 automatically performs all the steps of the analytical procedure: application of the samples on the agarose gel plate, electrophoretic migration, gel denaturation, gel staining, destaining, final gel drying and densitometric reading.

Use Efoflab/Microgel or Efoflab/Interlab G26 software to start the analysis.

NOTE FOR MICROGEL: make sure that if, for example, the 'left' position of the gel holder is chosen for the agarose gel plate, the 'left' position will be also used for the washing bars, for sample dispensing in the sample bar, and for the slots of the migration chamber. Read the Instruction Manual of the Microgel/Interlab G26 before starting the analysis.

I. Electrophoretic Analysis Set up

1. Fill the tanks with appropriate solutions and volumes as specified:

Tank	Solution	Volume (L)
Destain	Destain working solution	5
Stain 1 (Microgel)	Acid Blue stain diluted solution	1
Stain 1 (Interlab G26)	Acid Blue stain diluted solution	0.21L

2. Turn on the Microgel/Interlab G26.
 3. Use Eifolab/Microgel or Eifolab/Interlab G26 select the type of electrophoretic analysis.
 4. Check that the applicators are in their appropriate positions. (Fig.1)
 5. **Microgel:** Dispense 8 mL of distilled water in the 'WASHING 2' bar; fill one compartment, either left or right, if you wish to run one gel, or both compartments to run two gels. (Fig. 2)
 6. **Microgel:** Dispense 7 mL of washing solution for applicators (Ref. SRE150M) in the 'WASHING 1' bar; fill one compartment, either left or right, if you wish to run one gel, or both compartments to run two gels. (Fig. 2)
 7. **Interlab G26:** Dispense 6 mL of washing solution for applicators (Ref. SRE150M) in the 'WASHING SOLUTION' compartment of the bar (Fig. 2)
- IMPORTANT: Fill the washing bars with fresh liquids before starting each new analysis!**

7. Place one or two disposable sample plates (Ref. SAE605M) in the 'SAMPLE' bar, according to the number of gels to analyze. (Fig.3)
8. Put the metal frame on each disposable sample plate (Fig.3)
9. Dispense samples as specified: (Fig.3)
 - i. Kit Ref. **SRE602K:** Dispense 30µl of each sample in the wells from position 1 to 13.
 - ii. Kit Ref. **SRE603K:** Dispense 30µl of each sample in the wells of the two rows, from position 1 to 26.

Note: It is recommended to include a serum control solution in each test.

10. Migration Chamber Set-Up (Fig. 4)
 - Extract the migration chamber from Microgel/Interlab G26
 - Peel off the aluminum film of the box containing the buffered sponges.
- IMPORTANT: pick up the soaked sponges using clean tweezers or wearing clean gloves.**

➤ When using the **SRE602K** kit, insert the two buffered sponges in the lateral slots of one of the two compartments of the migration chamber, either 'LEFT' or 'RIGHT' or both, according to the number of gels being run.

IMPORTANT: do not insert the buffered sponges in the central slots.

➤ When using the **SRE603K** kit, insert the three buffered sponges in the three slots of one of the two compartments, either 'LEFT' or 'RIGHT' or both, according to the number of gels being run.

• Slide the migration chamber inside the Microgel/Interlab G26 and push forward to make sure that the chamber is completely connected.

IMPORTANT: Discard the sponges after each electrophoretic run!

II. Agarose Gel Plate Preparation (Fig. 5)

1. Put one blotter A (Ref.: SCE602A) on the agarose gel plate surface to eliminate the excess of buffer solution, making sure it adheres completely to the surface of the gel, and then remove it quickly.

IMPORTANT: Do not leave the paper blotter too long on the gel to avoid its dehydration (Fig.5)

Slide the gel(s) in the holder. (Fig. 6)

Each gel holder can accommodate 1 or 2 agarose gel plates.

2. Make sure the gel plates are correctly and firmly positioned.
3. Insert the gel holder, with the handle up, in any numbered slot of the parking area (Fig. 7)

III. Starting the electrophoretic analysis

Use Eifolab/Microgel or Eifolab/Interlab G26 software program to start the process, select the number and position of the gel holder being processed, and the position of the gel plates (left, right or both) inserted in each gel holder.

The volume of freshly prepared destain solution in the tanks allows the treatment of four gel holders, regardless of the number of gels inserted. The volume of the stain solution is adequate for ten gel plates.

Before starting a new cycle check the following:

- The washing bars have been filled with fresh liquids
- The stain solution tank is filled with at least 1 L of staining solution and until the maximum level for Interlab G26
- the destain solution tank contains at least 5 L of destain solution
- the level of the liquid in the waste tank.

Maintenance Operations

When the analytical cycle is completed, the following maintenance operations are recommended:

1. Remove the dried gel plate from the gel holder.
2. Remove the buffered sponges of the migration chamber, clean each slot with a soft paper tissue wetted with distilled water, and then dry the slots.
3. Discard liquids from WASHING bars; remove the disposable sample plate from sample bar.
4. Discard disposable sample plates

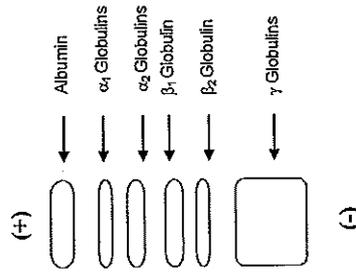
Note: Read the *Microgel/Interlab G26 Daily Maintenance Procedure in the manual.*

Interpretation of the results

Although the normal serum proteins electrophoretic pattern (SPE) may vary due to age, race, or sex of the patient, a truly aberrant pattern may be highly specific for some pathological conditions, including inflammation and malignant diseases, monoclonal and polyclonal gammopathies, and organ diseases. Other plasma cell dyscrasias/lymphoproliferative disorders, as well as certain autoimmune diseases, have been implicated in the occurrence of abnormal SPE patterns. Atypical patterns have also been observed in nutritional deficiency conditions and at various stages during recovery from severe burns. The presence of abnormal protein bands in an electrophoretic pattern can be further investigated by other methods like immunofixation electrophoresis.

A picture of a normal SPE pattern is shown below.

From anode to cathode, the electrophoretic pattern on the agarose gel plate will display the following bands and zone: Albumin, Alpha 1, Alpha 2, Beta 1, Beta 2 and Gamma.



According to the clinical condition of the patient, the urinary proteins bands may display a pattern that is similar to that of the bands in the serum proteins pattern. In general, the characterizing features of electrophoretic pattern of the urinary proteins are the number of the bands and the intensity of their staining. Normal urines usually contain extremely low concentrations of albumin and occasionally transferrin. The progression of the urinary pattern towards a profile that progressively resembles that of serum proteins, correlates with the worsening of the clinical condition of the patient (glomerular proteinuria). The appearance of bands that occupy positions that are not comparable to those of the serum proteins pattern, is indicative of another type of kidney disease (tubular proteinuria). Furthermore, the presence of homogeneous bands may suggest the presence of monoclonal immunoglobulins or free monoclonal light chains (Bence-Jones proteinuria).

■ Normal Values Reference Ranges

FRACTION	%
Albumin	52 - 65,1
Alpha 1	1 - 3
Alpha 2	9,5 - 14,4
Beta 1	6 - 9,8
Beta 2	2,6 - 5,8
Gamma	10,7 - 20,3

Normal values reference ranges shown in the table are only indicative.

Each laboratory should establish its own normal range following the area population.

■ Densitometry

The quantitative evaluations of the bands are obtained by scanning the gel plate in the optical system (densitometer) included in the instrument. The plots, obtained from densitometric data using Elfolab software provided with the instrument, display the percentage value of each fraction. The concentration value for each band expressed in g/L is calculated by multiplying the band percentage by the total protein concentration of the sample.

■ Quality Control

It is recommended to include in the samples bar the Interlab Serum Controls SCEI23A and/or Serum Controls SCEI25A in accordance with the guidelines or requirements of local, state, and/or federal regulations or accrediting organizations.

The laboratory should establish acceptance parameters for each lot of control material. If the controls are not within these parameters, patient test results are suspect and the analysis should be repeated.

■ Internal Quality Control

Before the delivery, quality control tests on all batches are performed for each kit, in order to verify that the requirements specified by the Interlab Quality Control (Q. C.) Procedures are met.

The results of the QC tests guarantee the performances stated in the Certificate of Analysis.

■ Troubleshooting

In the event of changes in the kits analytical performance if all the preparation and storage products instructions and procedure were carefully followed, please do not hesitate to contact the Technical Service Department of the supplier.

■ Interference and Limitations

- Do not use hemolyzed serum samples. Hemolysis produces an additional band in the alpha 2 zone and/or with cathodic shift of the alpha 2 band.
- Avoid plasma samples. Fibrinogen band may interfere with results interpretation.
- Incorrectly stored serum and urine samples may degenerate over time. Refer to the **Specimen Collection, Treatment and Storage** section of this Kit insert.
- The incorrect application of the recommended procedure may affect the results. Therefore, it is of fundamental importance to follow the instructions described in the **Specimen Collection, Treatment and Storage** section of this procedure.

■ Performance characteristics

A. SERUM PROTEINS

Precision (Intra Run)

For this study on the Microgel Analyzer four different samples were used. Each sample was run thirteen times on the same agarose gel plate, using the same batch number of reagents of the kit SRE602K. Mean, SD and CV values were calculated for each fraction. The following table shows the values obtained for one sample.

Fractions	Means	S.D.	C.V. %
Albumin	63.2	0.68	1.1
Alpha 1	1.9	0.10	3.7
Alpha 2	9.2	0.34	3.7
Beta 1	11.2	0.48	4.3
Beta 2	3.0	0.10	3.3
Gamma	10.5	0.50	4.8

Precision (Run to Run)

Using the same batch of reagents of the kit SRE602K, three samples were run on ten different agarose gel plates. Mean, S.D. and C.V. values were calculated for each fraction.

Fraction	Mean	S.D.	C.V. (%)
Albumin	59.3	0.59	1.0
Alpha 1	2.4	0.07	2.8
Alpha 2	10.2	0.23	2.2
Beta 1	10.1	0.30	2.9
Beta 2	4.0	0.19	4.7
Gamma	14.1	0.39	2.8

Accuracy

A total of eighty-three serum samples from patients, either normal and abnormal, were tested with the Interlab Microgel Analyzer and with a commercially available agarose gel system. Comparison between the results obtained with the Interlab kit SRE602K, and the results obtained with the commercially available agarose gel system, showed complete agreement of the data, without false negative and false positive results. Accuracy values for each fraction are shown in the following table:

Fraction	Slope B	y-Intercept A	Correlation Coefficient (r)
Albumin	1.00	-0.02	0.99
Alpha 1	0.98	0.09	0.99
Alpha 2	1.00	-0.07	0.99
Beta 1	1.02	0.16	0.97
Beta 2	0.98	-0.22	0.93
Gamma	1.03	-0.57	0.99

Comparison between row 1 and row 2 on the same agarose gel plate (for kit SRE603K)

This study was performed using twenty six different samples. For each agarose gel plate the same set of thirteen samples was run on row 1 (positions from 1 to 13) and row 2 (positions from 14 to 26). Complete agreement was proved. It was therefore possible to extend the results of the accuracy and correlation study for SRE602K kit to include the SRE603K kit.

Fraction	Slope B	Y-Intercept A	Correlation Coefficient
Albumin	1.02	-1.13	1.00
Alpha 1	0.94	0.20	1.00
Alpha 2	1.00	0.06	1.00
Beta 1	1.00	-0.06	0.99
Beta 2	0.99	0.05	0.99
Gamma	1.00	-0.05	1.00

Limits of detection

Serial dilutions of an abnormal serum sample with a monoclonal band of 29 g/L were run on Microgel, using the Interlab Serum Proteins β 1 - β 2 Kits. The lowest monoclonal band concentration detected by visual inspection was 0.25 g/L.

B. CONCENTRATED URINES

Excellent results of precision and accuracy were obtained also for the analysis of concentrated urines. Forty -two urine samples both from normal and pathological patients, were analyzed with the Interlab Microgel Analyzer and with a commercially available agarose gel system. The comparison between the results obtained with the Interlab kit and with the commercially available agarose gel system, proved complete concordance. The lowest concentration of monoclonal band detected by visual inspection was 0.10 g/L.

Bibliography

1. Alper, C.A. Plasma protein measurements as a diagnostic aid. *N. Eng J Med*, 291, 1974 , 287-290.
2. Ritwmann, S.E. & Daniels J.C. Diagnostic proteinology : separation and characterization of proteins, qualitative and quantitative assays in Laboratory medicine, Harper and Row, inc. Hagerstown, 1979.
3. Ritzmann, S.E. Ed, Protein abnormalities Vol.I : Physiology of immunoglobulins : Diagnostic and clinical aspects, Allen R. Liss. Inc., New York, 1982.
4. Mac Namara E.M. & al. Electrophoresis and densitometry of serum and urine in the investigation and significance of monoclonal immunoglobulins. *Electrophoresis* 1990, 11, 376-381.
5. Le Carrer D. Gammapathies monoclonales : mise au point sur leur exploration biochimique en 1991. *Leurobiologiste* 1991 tome XXV, n° 195.
6. Keshgegian A.A. Oligoclonal banding in sera of hospitalised patients. *clin chem vol.38* n° 1, 1992, 169-168
7. Seflor R.E.B. electrophoretic analysis of proteins associated with tumor cell invasion. *electrophoresis*, 1994, 15, 454-462.

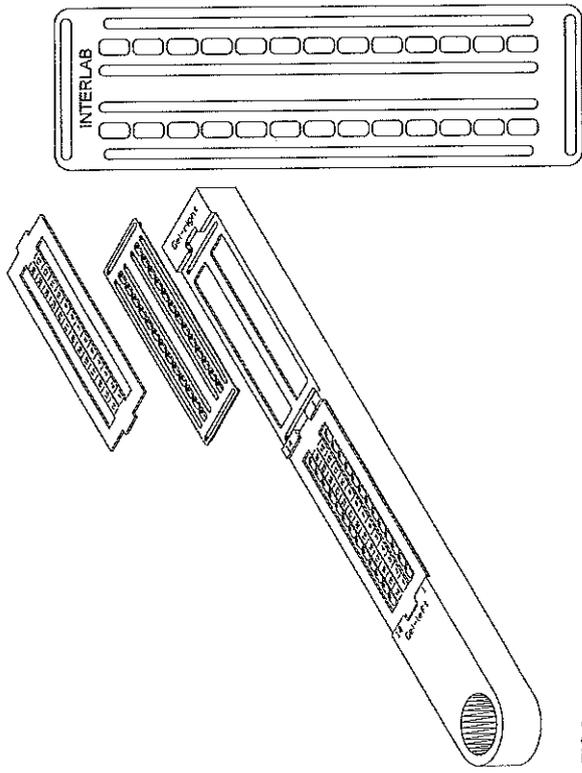


FIG. 3

FIG. 4

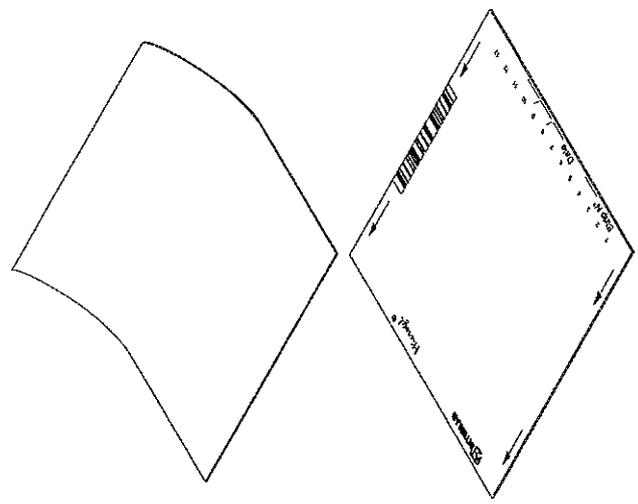
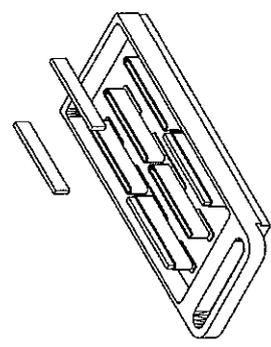
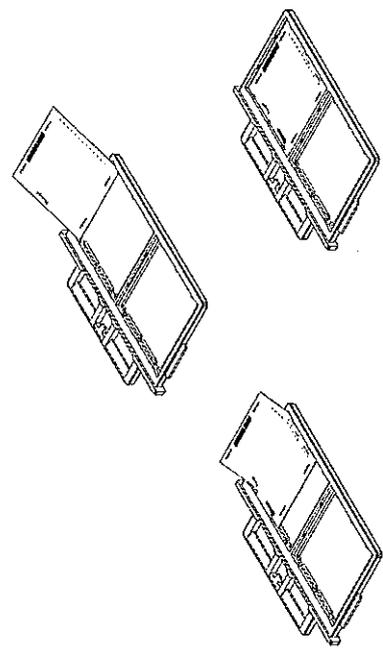


FIG. 5

FIG. 6



G26

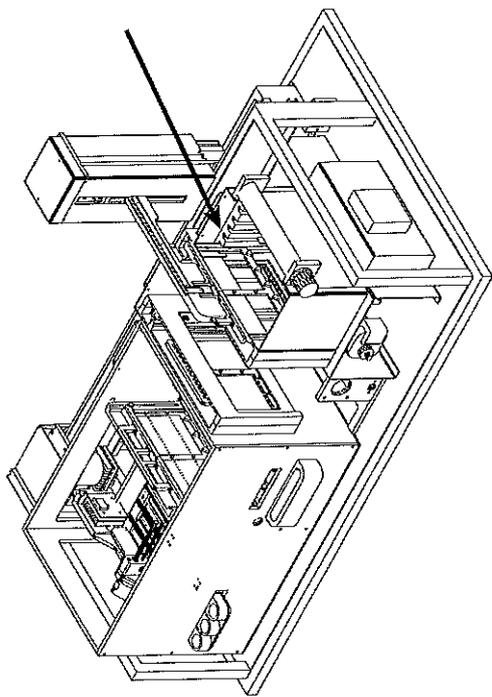


FIG.7

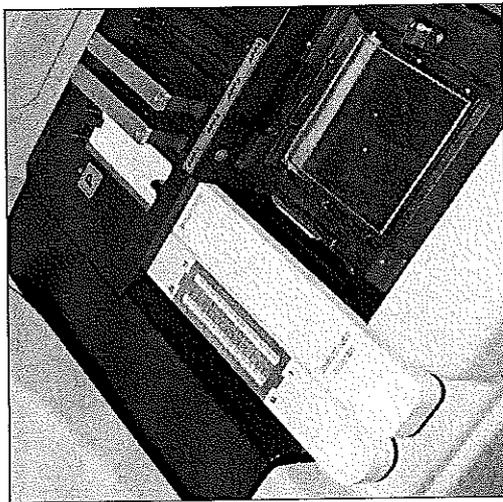


FIG.1

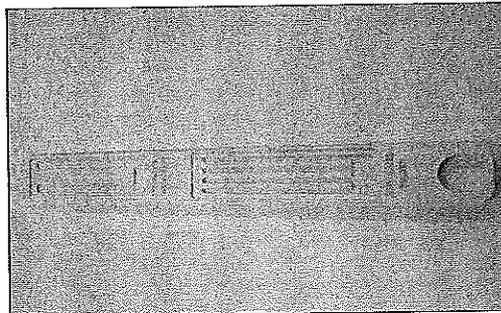


FIG.2

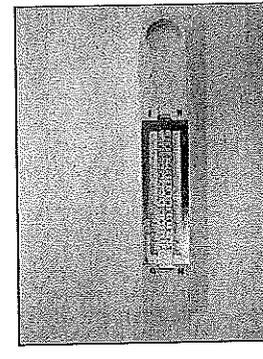
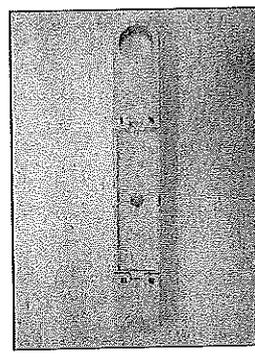
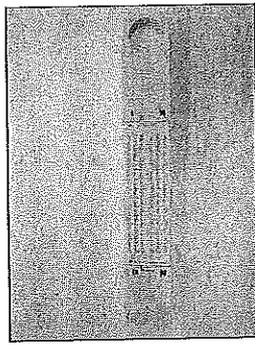
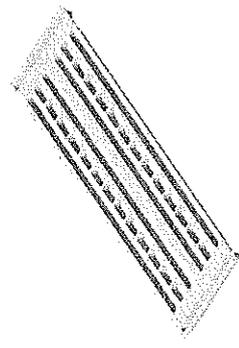
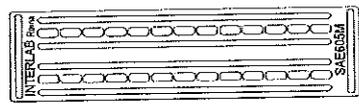


FIG.3

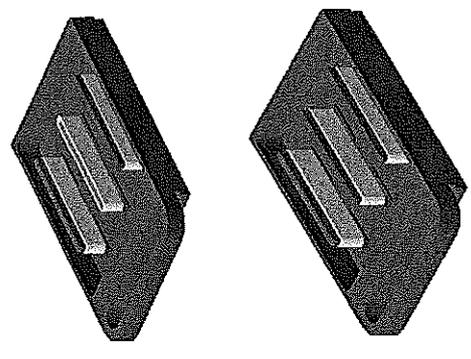
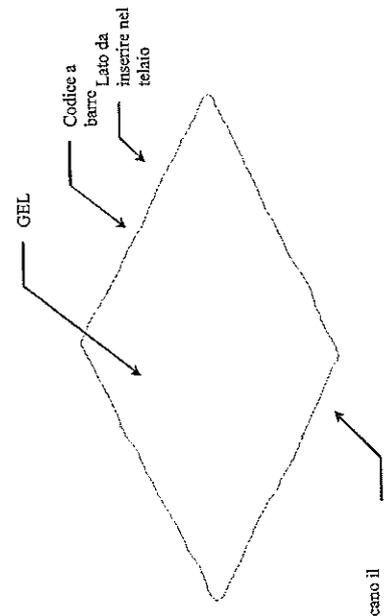


FIG.4



Frecce che indicano il lato superiore

FIG.5

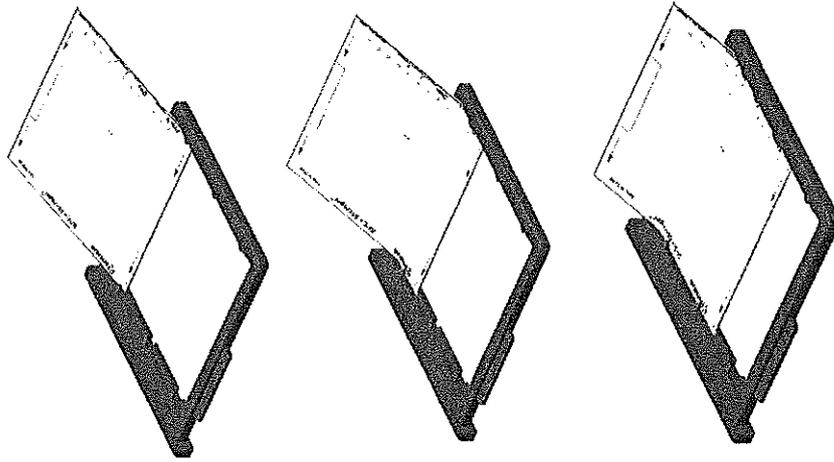


FIG. 6

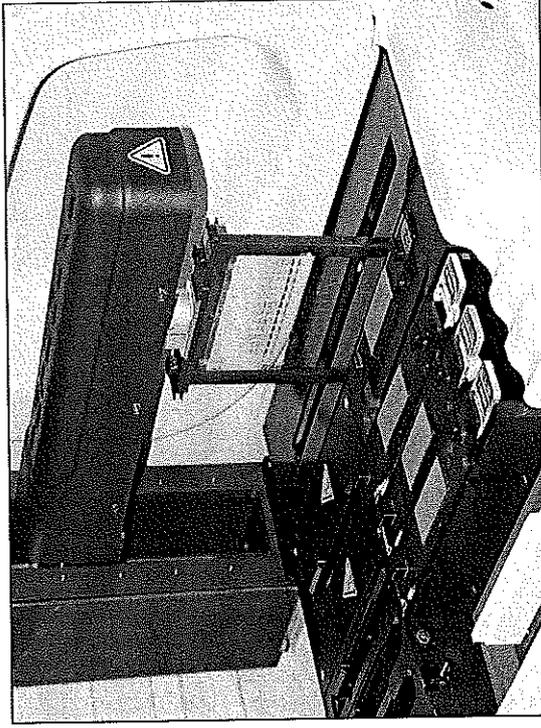


FIG. 7

Rinkiniuose tiekiami reikmenys:

PK119.10

SERUMO BALTŲMŲ β 1- β 2 IR KONCENTRUOTO ŠLAPIMO ELEKTROFOREZĖS PROCEDŪRA

Microgel IR Interlab G26 instrumentais

Rinkinio Nr.: SRE602K - SRE603K

 Rinkinio Nr.: SRE602K
 130 Testų, 13 mėginių Gelio Plokštelėje

Nr.	Aprašymas	Kiekis
SFE 165M	Agarozės Gelio Plokštelė	10
SCE 151M	Buferių Įmirkytos Kempinėlės (10 vnt.)	2
SRE601A	Rūgštinio Mėlynojo Dažo Tirpalas (100mL)	1
SRE 150M	Plovimo Tirpalas Aplikatoriams (80ml)	1
SAE 605M	Vienkartinės Mėginių Plokštelės (10 vnt.)	1
SCE 602A	Spaustukai A (10)	1
PK119	Serumo Baltymų β 1- β 2 ir Koncentruoto Šlapimo Elektroforezės Procedūra	

■ **Paskirtis**

Rinkiniai Serumo Baltymų β 1 - β 2 Elektroforezei (SPE) ir koncentruotam šlapimui, SRE602K ir SRE603K, skirti žmogaus serumo ir koncentruoto šlapimo baltymams atskirti atliekant elektroforezę agarozės gelio plokštelėse. Serumo Baltymų elektroforezės rinkiniai SRE602K ir SRE603K yra skirti baltymams žmogaus serume, atliekant elektroforezę agarozės gelio plokštelėje, atskirti. Žmogaus serumo baltymai atskiriami į šešias aiškias, gerai atskirtas zonas arba juostas, kurių kiekviena turi vieną arba daugiau skirtingų baltymų. Išsidėstymas tiramas vizualiai dėl nukrypimų, tame tarpe juostų pasikėlimų arba papildomų juostų atsiradimo. Atlikus išsidėstymo densitometriją, santykinai kiekybiškai įvertinamos baltymų zonos.

Interlab SRE602K ir SRE603K buvo sukurti naudoti su pilnai automatizuotais instrumentais Microgel/Interlab G26.

■ **Trumpas aprašymas**

Žmogaus kūno skysčių sudėtyje yra įvairūs baltymų mišiniai ir baltymų kompleksai. Akivaizdu, kad kiekvienas iš šių baltymų atlieka specifinę funkciją žmogaus organizmo procesuose. Gerai žinoma, kad įvairių baltymų lygiai kraujo serume turi glaudų ryšį su sveikatos būkle ir ligomis. Vieni šimtų atvejų serume esančių baltymų koncentracijos ir sudėties perteklius gali skirtis dėl fiziologinių ir patologinių sąlygų¹. Tarp tų laboratorinių metodų, kuriuos naudojant galima atskirti baltymus, elektroforezė yra pripažintas ir lankstus, plačiai naudojamas klinikinėje chemijoje, metodas. Atliekant Serumo Baltymų Elektroforezę (SBE) agarozės gelyje esant pH 8.9 su šiais rinkiniais gaunamos šešios juostos: albuminas ir penki globulilai, kurie vadinami alfa 1(α 1), alfa 2 (α 2), beta1 (β 1), beta2 (β 2) ir gama (γ). Kiekvieno globulino frakcijoje yra skirtingi baltymai. Kiekvienos juostos vertinimas vizualiai suteikia naudingos informacijos diagnostikai parodydamas, kad baltymai susiję su funkciniais ir patologiniais procesais.^{2,3}

Šlapimo baltymų elektroforezė pagal kokybinę sudėtį ir juostų išsidėstymą leidžia įvertinti inkstų pakenkimus. Šlapimo baltymų juostų išsidėstymo ir serumo baltymų juostų išsidėstymo palyginimas leidžia identifikuoti glomerulinę, tubulinę ir mišrios kilmės proteinurijas ir Bence-Jones proteinuriją.

■ **Principas**

Elektroforezė atskiria serumo baltymus ir koncentruoto šlapimo baltymus pagal jų specifinį judrumą elektriniame lauke. Kiekviena molekulė turi elektrinį krūvį dėl teigiamai ir neigiamai įkrautų grupių. Tinklo krūvis nusako kiekvienos baltymų rūšies elektroforetinio judėjimo charakteristikas tam tikrame pH. Interlab SBE procedūros metu baltymai atskiriami šarminiam pH atliekant zonų elektroforezę agarozės gelio plokštelėse. Kai juostų elektroforetinis atskirimas baigtas, agarozės gelio plokštelė denaturuojama, dažoma Rūgštinio Mėlynoju, kad identifikuoti baltymus. Tada gelio plokštelė blukinama, kol fonas būna švarus, džiovinama ir skenuojama, kad gauti išsidėstymo diagramą ir pagrindinių frakcijų densitometrinės vertes. Kai juostų elektroforetinis atskirimas baigtas, agarozės gelio plokštelė denaturuojama, dažoma rūgštinio mėlynoju, blukinama ir džiovinama. Tada skenuojama ir optinio tankio rezultatai rodomi kartu su diagrama.

 Rinkinio Nr.: SRE603K
 260 Testų, 26 mėginiai Gelio Plokštelėje

Nr.	Aprašymas	Kiekis
SFE 164M	Agarozės Gelio Plokštelė	10
SCE 159M	Buferių Įmirkytos Kempinėlės (15 vnt.)	2
SRE601A	Rūgštinio Mėlynojo Dažo Tirpalas (100mL)	1
SRE 150M	Plovimo Tirpalas Aplikatoriams (80ml)	1
SAE 603M	Vienkartinės Mėginių Plokštelės (10 vnt.)	1
SCE 602A	Spaustukai A (10)	1
PK119	Serumo Baltymų β 1- β 2 ir Koncentruoto Šlapimo Elektroforezės Procedūra	

Perspėjimas: Šie rinkiniai skirti naudoti tik in vitro diagnostikoje! Siekiami užtikrinti geriausius rezultatus visus reagentus naudokite iš to paties rinkinio ir laikykitės procedūros instrukcijų.

Reikalingos Papildomos, Tačiau Nefteikiamos Prieemonės

Nr.	Aprašymas	Kiekis
SRE201M	Blukinimo Tirpalas	6X100 ml
SCE123A	Normalius Kontrolinis Serumas	6 buteliukai
SCE126A	Nenormalius Kontrolinis Serumas	3 buteliukai

- > Mikropipetės 100 μ l, 1000 μ l tūrio; pipetės 10 ml tūrio.
- > Diftiliuotas vanduo.

■ **Aprašymas**

1. **Agarozės gelio plokštelės**

Sudėtis: Kiekvienoje plokštelėje yra agarozė Tris-Barbitalo buferyje su konservuojančia ir stabilizuojančia priemone.

R: 22 Kenksmingas nurijus

R: 36/38 Dirgina akis ir odą.

S: 26 Įvykus kontaktui su akimis, nedelsiant plaukite dideliu vandens kiekiu

S: 28 Įvykus kontaktui su oda, nedelsiant plaukite dideliu vandens kiekiu

S: 46 Jei nurijote, kreipkitės pagalbos į medikus

Paruošimas naudoti : Supakuotos plokštelės yra paruoštos naudoti.

Laikymas ir Stabilumas: Laikykite kambario temperatūroje (nuo 15° iki 30°C).

Plokštelių neįrašyti šaltai ir neušaldykite!

SVARBU: laikykite gėlio plokštelių horizontalioje pozicijoje.

Gėlio Plokštelių stabilios iki datos, nurodytos ant etiketės. Nenaudokite gėlių pasibaigus galiojimo laikui.

Sugedimo požymiai:

- > Skystis arba drėgmė gėlio pakuotės viduje
- > Skirtingas gėlio storumas.
- > Bakterijų arba pelėsių augimas įvykus užšalimui.

2. **Bufėrių Įmirkytos Kempinėės**

Bufėrio sudėtis: Saminis Bufėris savo sudėtyje turintis Tris-Barbitolio su konservuojančia ir stabilizuojančia priemone.

R: 25 Toksiškas nurijus

R: 36/38 Dirgina akis ir odą.

R: 52 Kenksmingas vandens organizmams.

S: 26 Įvykus kontaktui su akimis, nedelsiant plaukite dideliu vandens kiekiu.

S: 46 Jei nurijote, kreipkitės pagalbos į medicus.

Paruošimas naudoti: Įmirkytos kempinės yra paruoštos naudoti.

Laikymas ir Stabilumas: Laikykite kambario temperatūroje (nuo 15° iki 30°C).

Bufėrių Įmirkytos Kempinėės stabilios iki datos, nurodytos ant etiketės. Nenaudokite pasibaigus galiojimo laikui.

Sugedimo požymiai: išmeskite jei pakuotė atidaryta arba kempinėės išdžiūvę.

N.B. Labai retai ant kempinėlių gali būti juodi arba rudi taškėliai; jie neturi įtakos rezultatų kokybei.

3. **Rūgštinis Mėlynasis Dažų Tįrpalas**

Sudėtis: Rūgštinis Mėlynasis koncentruotas Acto Rūgšties tįrpalas.

R: 10 Degus.

R: 35 Sukelta sunkius nudegimus.

R: 36/37/38 Dirgina akis, kvėpavimo takų sistemą ir odą.

S: 23 Neįkvėpkite garų.

S: 26 Įvykus kontaktui su akimis, nedelsiant plaukite dideliu vandens kiekiu.

S: 37/39 Dėvėkite tinkamas apsaugines pirštines ir akių apsaugą.

Paruošimas naudoti: Skieskite tinkamas apsaugines pirštines ir akių apsaugą.

Įlašykite apie 10 minučių kol dažai visiškai išsirsta vandenyje.

Laikymas ir Stabilumas: Laikykite kambario temperatūroje (nuo 15° iki 30°C).

Koncentruotas tįrpalas stabilus iki galiojimo datos nurodytos ant etiketės.

Skieskite dažų tįrpalas laikomas sandariai užsuktose talpose kambario temperatūroje (nuo 15° iki 30°C) stabilus apie 6 mėnesius.

Tįrpalas neturi būti naudojamas ilgiau nei 10 dažymo ciklų (dešimt agarozės gėlio plokštelių)!
Interlab G26 sistemoje tįrpalas turi būti keičiamas kas 5 dažymo ciklus (5 agarozės gėlio plokštelių).

Sugedimo požymiai: Nėra

4. **Plovimo tįrpalas aplikatoriams**

Sudėtis: Surfaktanto su konservuojančia medžiaga vandeningis tįrpalas.

Paruošimas naudoti: Plovimo tįrpalas paruoštas naudoti.

Sugedimo požymiai: Drumstos nuosėdos.

Laikymas ir Stabilumas: Laikykite kambario temperatūroje (nuo 15° iki 30°C). Tįrpalas stabilus iki galiojimo datos pabaigos.

5. **Vienkartinės mėginio plokštės**

Sudėtis : Vienkartinės plastikinės plokštės su mikrošulinėmis mėginiais.

Paruošimas naudoti: Vienkartinės mėginio plokštės paruoštos naudoti.

Laikymas: Laikykite kambario temperatūroje (nuo 15° iki 30°C).

6. **Spaustukai**

Sudėtis : Ploni sugeriamojo popieriaus lakštai skirti buferio tįrpalo pertekliui nuo agarozės gėlio plokštelių sugerti.

Paruošimas naudoti: Spaustukai paruošti naudoti.

Laikymas: Laikykite kambario temperatūroje (nuo 15° iki 30°C).

7. **Blukinimo tįrpalas (Nr.: SRE201M; RINKINIO SUDETYJE NĖRA)**

Sudėtis : Koncentruotas citrinų rūgšties tįrpalas vandeniniame tįrpalas.

R: 36/38 Dirgina akis ir odą.

R: 41 Šilpraus akių sužalojimo pavojus.

S:37/39 Dėvėkite tinkamas pirštines ir akių/veido apsauga

Paruošimas naudoti: Skieskite 1 ml SRE201A tįrpalą iki 1 l distiliuotu vandeniu.

Laikymas ir Stabilumas: Laikykite kambario temperatūroje (nuo 15° iki 30°C) iki galiojimo datos nurodytos ant etiketės. Skieskite tįrpalas stabilus 2 savaites kai laikomas kambario temperatūroje.

Sugedimo požymiai: Drumstos nuosėdos arba juodos oksidacinės dėmės.

■ Atliekų išmetimas ir neįprasti pavojai

Saugiai išmeskite atliekas laikydamiesi vietinių taisyklių.

Tačiau, visa informacija apie saugų atliekų išmetimą pateikiama Reagentų Saugumo Lapuose, kuriuos galite gauti iš tiekėjo Techninio Aptarnavimo Skyriaus.

Apie atsargumo priemones, kurių reikėtų imtis, esant bet kokiam ypatingam ar neįprastam pavojui, susijusiam su priemonės naudojimu arba išmetimu, tame tarpe specialias apsaugos priemones, informacija pateikiama Reagentų Saugumo Lapuose, kuriuos galite gauti iš tiekėjo Techninio Aptarnavimo Skyriaus.

■ Mėginio surinkimas, apdorojimas ir laikymas
 Mėginiai turi būti surenkami laikantis laboratorinių procedūrų ir pagal Geros Laboratorijos Praktikos (GLP) Rekomendacijas.

Tyrimą rekomenduojama atlikti su šviežio serumo arba šlapimo mėginiais.

Sandariai uždaryti mėginiai gali būti laikomi iki trijų dienų 2 - 8°C temperatūroje.

■ Mėginio paruošimas

1. **Serumas:** Naudokite švartų serumą. Jei bendra baltymų koncentracija daugiau nei 100g/L, skieskite mėginį fiziologiniu tįrpalu (0.9% w/v NaCl) kol galutinė koncentracija bus 60 - 80 g/L ribose.

2. **Koncentruotas šlapimas:** Koncentruokite šlapimą, kol baltymų bus > 20 g/L. Prieš naudojimą rekomenduojama mėginus centrifuguoti. Jei druskų koncentracija didelė, šlapimą skieskite.

Mėginiai, kurių reikia vengti

> Nenaudokite hemolizuoto serumo mėginių. Dėl hemolizės gali susidaryti nenormali papildoma juosta

alfa 2 zonoje ir/ arba alfa 2 zonoje link katodo.

> Venkite plazmos mėginių. Fibrinogenas aiškiai kaip juosta, kuri klaidingai gali būti interpretuojama kaip

latiamas monokloninis komponentas.

> Nenaudokite pasenusio šlapimo mėginių, nes juose gali vykti baltymų degradavimas.

■ Kaip pradėti analizę

Microgel/interlab G26 automatiškai atlieka visus analitinės procedūros žingsnius: mėginių užnešimas ant

agarozės gėlio plokštelių, elektroforetinis judėjimas, gėlio denaturacija, gėlio dažymas ir blukinimas,

galutinis gėlio užšiovimas ir densitometrinis įvertinimas. Naudokite Efoflab/Microgel arba Efoflab/interlab

G26 programinę įrangą analizę pradėti.

PASTABA dėl Microgel: istikrinkite, kad jei, pavyzdžiui, pasirinkta „kairė“ gėlio laikiklio agarozės gėlio

plokštelių pozicija, tai „kairė“ pozicija bus naudojama plovimo juostoms, mėginių pylimui ir kameros

judėjimui. Prieš pradėdami analizę skaitykite Microgel/interlab G26 Vadovą/Vartotojų.

1. Pasirengimas Elektroferezės analizei

1. Užpildykite talpas atitinkamais tirpalais ir tūriais kaip nurodyta:

Talpa	Tirpalas	Tūris (L)
Blukinimo tirpalas	Blukinimo darbinis tirpalas	5
Dažas 1 (Microgel)	Skleistas Rūgštinio Mėlynojo dažo tirpalas	1
Dažas 1 (Interlab G26)	Skleistas Rūgštinio Mėlynojo dažo tirpalas	0.21L

2. Įjunkite Microgel/Interlab G26.

3. Naudodami Efoflab/Microgel arba Efoflab/Interlab G26 programinę įrangą pasirinkite elektroferezės analizės tipą.

 4. Patikrinkite ar visi keturi aplikatoriai yra savo vietose. (1 pav.)
 5. Microgel: Pilkite 8 mL distiliuoto vandens į "WASHING 2" juosta, užpildykite vieną skyrių, arba esantį dešinėje arba kairėje, jei norėsite leisti vieną gelį, arba abu skyrius, jei leisite du gelius. (2 pav.)
Interlab G26: Pilkite 6 ml distiliuoto vandens į "DISTILLED WATER" skyrių juostoje (2 pav.)
 6. Microgel: Pilkite 7 mL plovimo tirpalo aplikatoriams (Nr. SRE150M) į "WASHING 1" juosta; užpildykite vieną skyrių, arba esantį dešinėje arba kairėje, jei norėsite leisti vieną gelį, arba abu skyrius, jei leisite du gelius. (2 pav.)
Interlab G26: Pilkite 6 ml plovimo tirpalo aplikatoriams (Nr. SRE150M) į "WASHING SOLUTION" skyrių juostoje (2 pav.)

SVARBU: Prieš pradėdami kiekvieną naują analizę užpildykite plovimo juostas naujais skysčiais!

7. Dekite vieną arba dvi vienkartinės mėginio plokštelės (Nr. SAE605M) į "SAMPLE" juosta, pagal gelio eilės numerį analizei. (3 pav.)

8. Uždėkite metalinį rėmelį ant kiekvienos vienkartinės mėginio plokštelės. (3 pav.)

9. Plokštę mėginius kaip nurodyta: (3 pav.)

i. Rinkinio Nr. SRE602K: Pilkite po 30µl kiekvieno mėginio į šuinelius nuo 1 iki 13.

ii. Rinkinio Nr. SRE603K: Pilkite po 30µl kiekvieno mėginio į dviejų eilių šuinelius, nuo 1 iki 26 pozicijas.

Pastaba: Rekomenduojama į kiekvieną tvirtinimą įtraukti serumo kontrolės tirpalą.

10. Slankiojančios kameros paruošimas (4 pav.)

• Išimkite slankiojančią kamerą iš Microgel/Interlab G26

• Nulupkite aliuminio plėvelę nuo dešutės, kurioje yra buferio įmirkytos kempinės.

SVARBU: Paimkite kempinėlės su švartu pincetu arba mūvėdami švartus pirštines.

> Kai naudojate SRE602K rinkinį, įdėkite dvi buferių įmirkytas kempinėles į perkėlimo kameros vieno iš dviejų skyrių šoninius grovelius arba "KAIRI" arba "DEŠINI" arba į abu priklausomai nuo leidžiamų gelių kiekio.

SVARBU: nedėkite buferių įmirkytų kempinėlių į centrinčius grovelius.

> Kai naudojate SRE603K rinkinį, įdėkite tris buferių įmirkytas kempinėles į perkėlimo kameros vieno iš dviejų skyrių šoninius grovelius arba "KAIRI" arba "DEŠINI" arba į abu priklausomai nuo leidžiamų gelių kiekio.

• Įdėkite slankiojančią kamerą į Microgel/Interlab G26 vidų ir stumkite pirmyn, kad kamera pilnai įsistatytų.

SVARBU: Išmeskite kempinėles po kiekvienos elektroferezės!

11. Agarozės Gelio Plokštelės Paruošimas (5 pav.)

1. Uždėkite vieną spaustuką A (Kat. Nr.: SCE502A) ant agarozės gelio plokštelės paviršiaus, kad pašalintumėte buferio tirpalo perteklių, jis visiškai turi priklibti prie gelio paviršiaus ir tada jį reikia greitai nuimti.

SVARBU: Nepalikite spaustuvo ant gelio per ilgai, kad neįvyktų dehidratacija

(5 pav.)

Įstumkite gelį į laikiklį. (6 pav.)

Kiekvienas gelio laikiklis taipina 1 arba 2 agarozės gelio plokštelės.

2. Įsitikinkite, kad gelio plokštelės įdėtos teisingai ir saugiai.

3. Įdėkite gelio laikiklį rankena aukštyn, bet kurią pažymėtą statymo vietos angą. (7 pav.)

III. Elektroferezės pradėjimas

Norėdami pradėti procesą naudokite Efoflab/Microgel arba Efoflab/Interlab G26 programinės įrangos programą, pasirinkite gelio laikiklio, kurį leisite, numerį ir poziciją ir į kiekvieną gelio laikiklį įdėtos gelio plokštelės poziciją (kairė, dešinė arba ab).

Šviežiai paruošto blukinimo tirpalo tūris leidžia apdoroti keturis gelių laikiklius, nepaisant to, kiek gelių įdėta į laikiklį. Dažymo tirpalu nudažoma dešimt plokštelių.

Prieš pradėdami naują ciklą patikrinkite:

- Plovimo juostas turi būti pripildytos naujais skysčiais
- Dažų tirpalu talpoje yra bent 1 L dažančio tirpalo Microgel instrumente ir didžiausias galimas kiekis Interlab G26 instrumente
- Blukinimo tirpalo talpoje yra bent 5 L blukinimo tirpalo
- Skysčio lygį atliekų talpoje

Techninės priežiūros darbai

Kai analitinis ciklas užbaigiamas, rekomenduojama atlikti šiuos techninės priežiūros darbus:

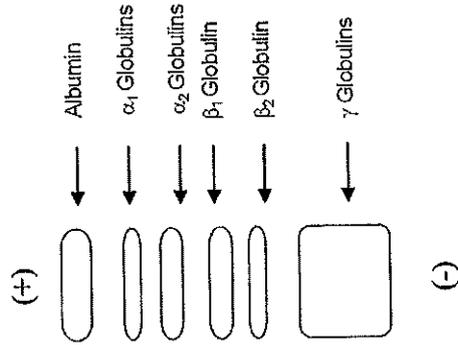
1. Išimkite sausa gelio plokštėlę iš gelio laikiklio.
2. Išimkite buferinę įmirkytas kempinėles iš slankiojančios kameros, išvalykite kiekvieną grovelį su minkštu, distiliuotame vandenyje sušlapintu, popierumi ir išdžiovinkite.
3. Išpilkite tirpalus iš "WASHING" juostelių; išimkite vienkartinę mėginio plokštėlę ir "SAMPLE" juostelės.
4. Išmeskite vienkartinės mėginio plokštelės.

Pastaba: Skaitykite Microgel/Interlab G26 Kasdienės Priežiūros Procedūras vartotojo vadove.
Rezultatų interpretavimas

Nors normalus serumo baltymų elektroforetinis išsidėstymas (SBE) gali skirtis dėl amžiaus, rasės, paciento lyties, iš tikrųjų netipiškas išsidėstymas gali būti labai specifiškas, dėl kai kurių patologiinių sąlygų, tame tarpe uždegimo ir piktybinių ligų, monokloninių ir polikloninių gamopajūjų ir organų ligų. Kiti plazmos ląstelių diskrazijos/monoproliferaciniai sutrikimai, tai pat kaip ir tam tikros autoimuninės ligos, turi įtakos netipiskam SBE išsidėstymui. Netipiškas išsidėstymas taip pat stebimas mitybos sutrikimų atvejais ir sveikstant po sunkių nudegimų. Netipiški baltymų juostų buvimas elektroferezės konfigūracijoje gali būti papildomai tiriamas kitais metodais, tokiu kaip imunofiksacijos elektroferezė. Normalaus SBE išsidėstymo vaizdas pateiktas žemiau.

Nuo anodo link katodo elektroferezės agarozės gelio plokštelėje išsidėstys šios juostos ir zonos:

Albuminas, Alfa 1, Alfa 2, Beta 1, Beta 2 ir Gama.



Trūkščiai ir Apribojimai

- > Nenaudokite hemolizuoto serumo mėginių. Dėl hemolizės gali susidaryti nenormali papildoma juosta alfa 2 zonoje ir/arba alfa 2 zonoje link katodo.
- > Venkite plazmos mėginių. Fibrinogeno juosta gali trukdyti rezultatų interpretavimui.
- > Neteisingai laikomi serumi ir šlapimo mėginiai per laiką gali degenuoti. Žiūrėkite šio Rinkinio informacinių lapų skyrį **Mėginių Surinkimas, Apdorojimas ir Laikymas**.
- > Neteisingai atliktas rekomenduojama procedūra turės įtakos rezultatams.
- Taigi, yra labai svarbu laikytis instrukcijų pateiktų **Mėginio Surinkimas, Apdorojimas ir Laikymas** skyriuje.

Charakteristikos

A. SERUMO BALTYMAI Šiems tyrimams su Microgel Analizatoriumi naudoti keturi skirtingi mėginiai. Kiekvienas mėginys leistas trylika kartų su ta pačia agarozės gelio plokštele, naudojant tą patį SRE602K rinkinio reagentų serijos numerį. Kiekvienai frakcijai buvo apskaičiuotas vidurkis, SN ir CV. Šioje lentelėje pateikti vieno mėginio gauti rezultatai.

Frakcijos	Vidurkis	S.N.	C.V. (%)
Albuminas	63.2	0.68	1.1
Alfa 1	1.9	0.10	3.7
Alfa 2	9.2	0.34	3.7
Beta 1	11.2	0.48	4.3
Beta 2	3.0	0.10	3.3
Gama	10.5	0.50	4.8

Preciziija (išorinė)

Naudojant SRE602K, rinkinio tos pačios serijos reagentus buvo tiri tyri mėginiai su dešimtimi skirtingų agarozės gelio plokštelių. Kiekvienai frakcijai buvo apskaičiuotas vidurkis, SN ir CV.

Frakcijos	Vidurkis	S.N.	C.V. (%)
Albuminas	59.3	0.59	1.0
Alfa 1	2.4	0.07	2.8
Alfa 2	10.2	0.23	2.2
Beta 1	10.1	0.30	2.9
Beta 2	4.0	0.19	4.7
Gama	14.1	0.39	2.8

Tikslumas

Iš viso buvo tiri tiek normalūs, tiek nenormalūs, astuoniasdešimt trys pacientų mėginiai su Interlab Microgel Analizatoriumi ir su tuo metu rinkoje buvusiu agarozės geliu sistema. Su Interlab SRE602K rinkiniu gautų rezultatų ir su rinkoje buvusios agarozės geliu sistema gautų rezultatų palyginimas parodė visišką duomenų sutimą be klaidingai neigiamų ir klaidingai teigiamų rezultatų. Kiekvienos frakcijos tikslumo vertes pateiktos šioje lentelėje:

Frakcija	Nuolydis B	Y-Axidėjimas		Koreliacijos Koefficientas (r)
		koordinacinių ašyje A	koordinacinių ašyje B	
Albuminas	1.00	-0.02	0.99	0.99
Alfa 1	0.98	0.09	0.99	0.99
Alfa 2	1.00	-0.07	0.99	0.99
Beta 1	1.02	0.16	0.97	0.97
Beta 2	0.98	-0.22	0.93	0.93
Gama	1.03	-0.57	0.98	0.98

Atsižvelgiant į klinikinę paciento būklę, šlapimo baltymų juostos gali išsidėstyti panašiai kaip ir serumo baltymų juostos. Paprastai šlapimo baltymų išsidėstymą apibūdinančios savybės yra juostų skaičius ir jų dažymosi intensyvumas. Normalaus šlapimo sudėtyje paprastai yra labai mažos albumino ir retkarciškai transiterinio koncentracijos. Šlapimo konfigūracijos progresas link profilio, kuris vis labiau panašėja į serumo baltymų, susijęs su paciento būklės blogėjimu (glomeruline proteinurija). Juostų, kurios užima pozicijas, kurių neina palyginti su tomis, kurios yra serumo baltymų išsidėstymo atveju, pasirodymas nurodo kitą inkstų ligą (tubulinę proteinuriją). Be to, jei yra homogeninės juostos, galima manyti esant monokloninius antikūnus arba laisvas monoklonines lengvasias grandines (Bence-Jones proteinuriją).

Normalių Verčių Standartinės Ribos

FRAKCIJA	%
Albuminas	52 - 65,1
Alfa 1	1 - 3
Alfa 2	9,5 - 14,4
Beta 1	6 - 9,8
Beta 2	2,6 - 5,8
Gama	10,7 - 20,3

Normalių verčių rekomendacinės ribos esančios lentelėje skirtos orientacijai. Kiekviena laboratorija turi nusistatyti savo normalias ribas pagal populiaciją.

Densitometrija

Kiekybinė juostų analizė atliekama skenuojant gelio plokštelę, instrumente esančioje optinėje sistemoje (densitometras). Gautose iš skenavimo duomenų diagramose, naudojant Efolab™ programinę įrangą tiekiamą su instrumentu, vaizduojama kiekvienos frakcijos procentinė vertė. Kiekvienos juostos koncentracijos vertė išreikšta g/L apskaičiuota dauginant juostos procentą ir bendros mėginio baltymų koncentracijos.

Kokybės Kontrolė

Rekomenduojama kiekviename paleidime naudoti Interlab Serumo Kontrolės Tipalus SCE123A ir/arba SCE125A pagal vietinių, šalies ir/arba federalinių reglamentų arba akredituojančios organizacijos rekomendacijas arba reikalavimus.

Laboratorija turi nusistatyti priimtinus parametrus kiekvienai kontrolinės medžiagos serijai. Jei kontrolės nepatenka į šiuos parametrus, paciento tyrimo rezultatai yra abejotini ir analizė turi būti pakartota.

Vidinė Kokybės Kontrolė

Prieš siunčiant visos partijos kokybės kontrolės testai atliekami su kiekvienam rinkinui, stiekiant patikrinti, kad Interlab Kokybės Kontrolės (K. K.) Procedūrose tiksliai apibūdinti reikalavimai yra įvykdyti. KK testų rezultatai užtikrina Analizės Sertifikate pateiktas savybes.

Gedimų Lokalizavimas

Pasikeitus rinkinių analitinėms charakteristikoms, kai buvo atidžiai laikomasi visų produktų paruošimo ir laikymo instrukcijų bei procedūrų, prašome susisiekti su tiekėjo Techninio Aptarnavimo Skyriumi.

Palyginimas tarp 1 eilės ir 2 eilės toje pačioje agarozės gely ploktelėje (SRE603K rinkiniui)

Šis tyrimas buvo atliktas su dvidešimt šešiais skirtingais rinkiniais. Su kiekvienu agarozės gely ploktelėje tų pačių trylikos mėginių rinkinys buvo leidžiamas 1 eilėje (pozicijos nuo 1 iki 13) ir 2 eilėje (pozicijos nuo 14 iki 26). Buvo įrodytas visiškas vienodumas. Todėl buvo galima praplėsti tikslumo ir koreliacijos koeficiento tyrimus SRE602K rinkiniui įskaičiuojant SRE603K rinkinį.

Frakcija	Nuolydis B	γ -Atidėjimas koordinatų ašyje A	Koreliacijos koeficientas
Albuminas	1.02	-1.13	1.00
Alfa 1	0.94	0.20	1.00
Alfa 2	1.00	0.06	1.00
Beta 1	1.00	-0.06	0.99
Beta 2	0.99	0.05	0.99
Gama	1.00	-0.05	1.00

Aptikimo ribos

Nenormalaus serumo su monoklonine juosta 29 g/L serijiniai skiedimai buvo leisti Microgel sistemoje, naudoti Interlab Serumo Baitimų $\beta 1$ - rinkiniai. Mažiausia apžiūros plika akimi matomos monokloninės juostos koncentracija buvo 0.25 g/L.

B. KONCENTRUOTAS ŠLAPIMAS

Puikūs preciziškumo ir tikslumo rezultatai buvo gauti tiriant koncentruotą šlapimą. Keturiasdešimt du šlapimo mėginiai iš sveikų ir sergančių pacientų tirti Interlab Microgel Analizatoriumi ir tuo metu rinkoje buvusio agarozės gely sistema. Palyginus Interlab rinkiniu gautus rezultatus su tuo metu rinkoje buvusios agarozės gely sistemos rezultatais įrodytas visiškas atitikimas. Mažiausia apžiūros plika akimi matomos monokloninės juostos koncentracija buvo 0.10 g/L.

Bibliografija

- Alper, C.A. Plasma protein measurements as a diagnostic aid. *N. Eng J Med.* 291, 1974, 287-290.
- Ritmann, S.E. & Daniels J.C. Diagnostic proteinology : separation and characterization of proteins, qualitative and quantitative assays in Laboratory medicine, Harper and Row, inc. Hagerstown, 1979.
- Ritzmann, S.E. Ed. Protein abnormalities Vol.1 : Physiology of immunoglobulins : Diagnostic and clinical aspects, Allen R. Liss, Inc., New York, 1982.
- Mac Namara E.M. & al. Electrophoresis and densitometry of serum and urine in the investigation and signifi cance of monoclonal immunoglobulins. *Electrophoresis* 1990, 11, 376-381.
- Le Carrer D. Gammopathies monoclonales : mise au point sur leur exploration biochimique en 1991. *Leurobiologiste* 1991 tome XXV, n° 195.
- Keshgegian A.A. Oligoclonal banding in sera of hospitalised patients. *clin chem vol.38 n° 1, 1992, 169.-1768*
- Seftor R.E.B. electrophoretic analysis of proteins associated with tumor cell invasion. *electrophoresis*, 1994, 15, 464-462.

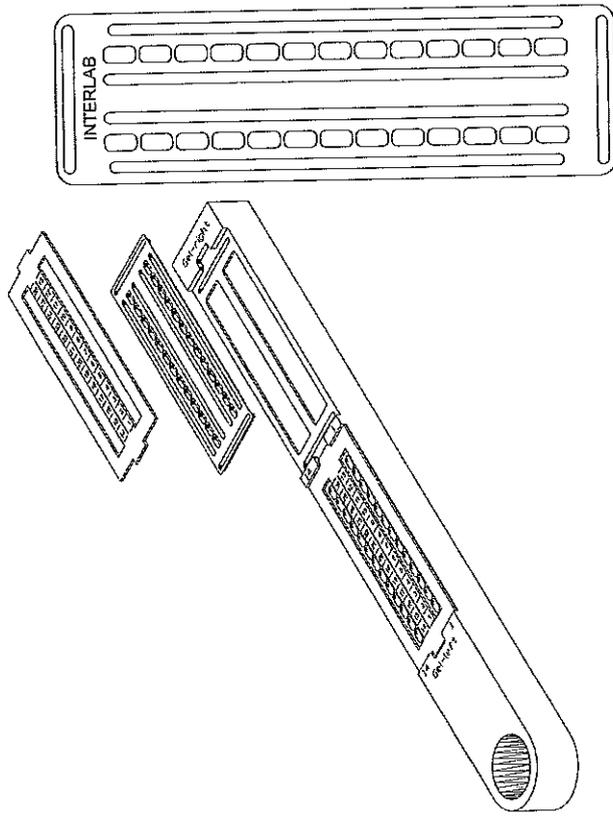


FIG. 3

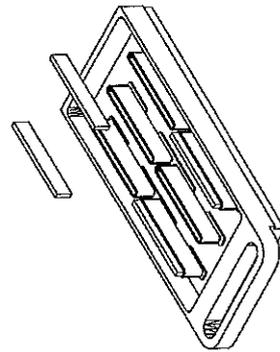


FIG. 4

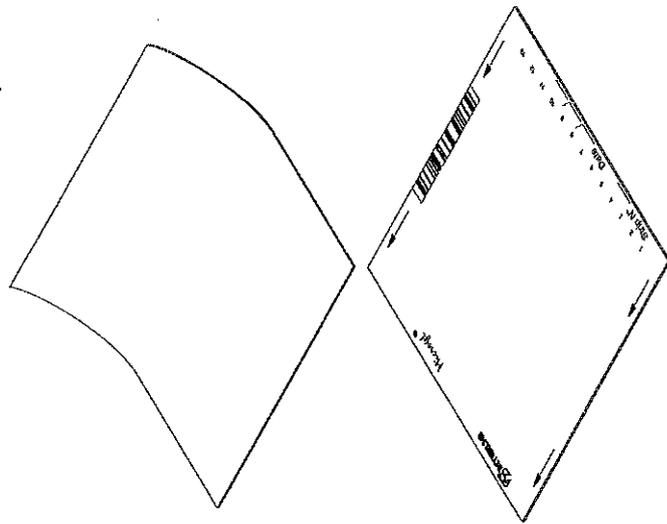


FIG. 5

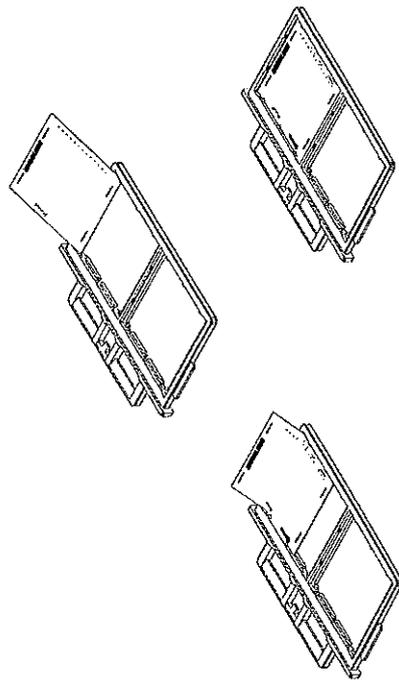


FIG. 6

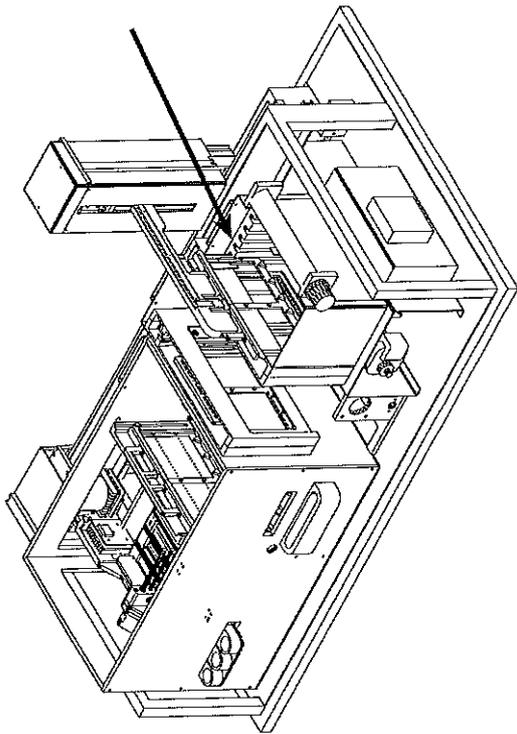


FIG.7

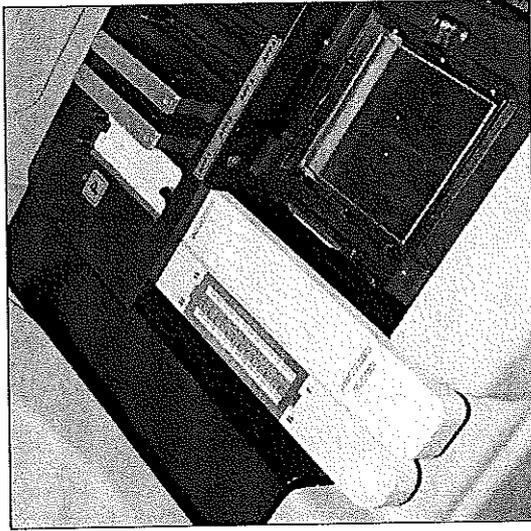


FIG.1

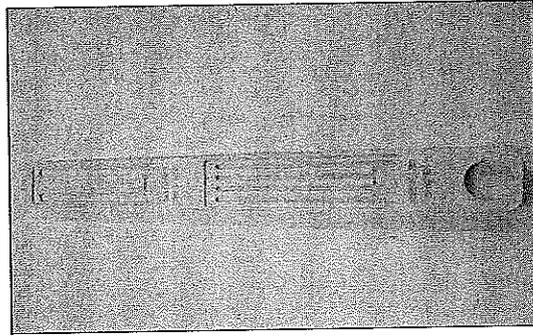


FIG.2

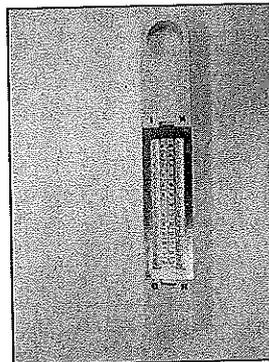
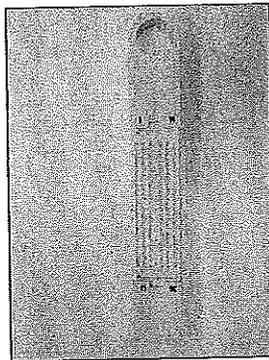
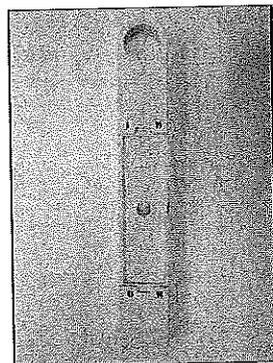
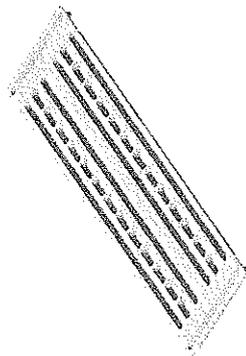


FIG.3

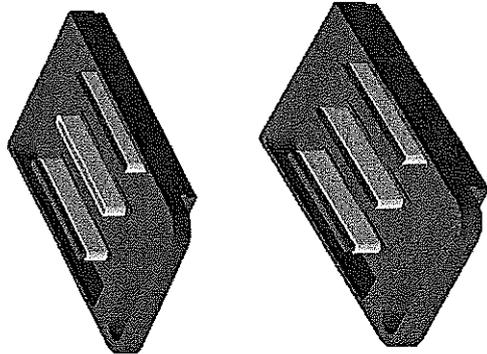
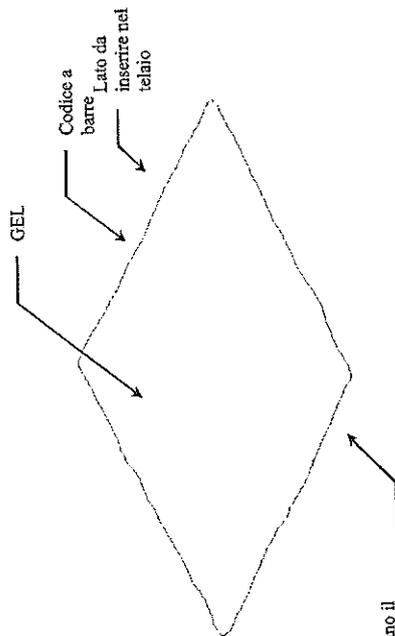


FIG.4



Frece che indicano il lato superiore

FIG.5

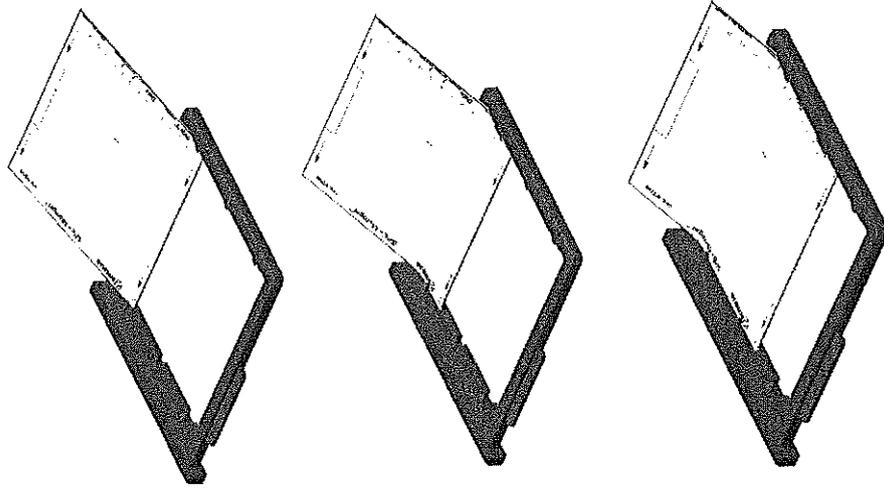


FIG.6

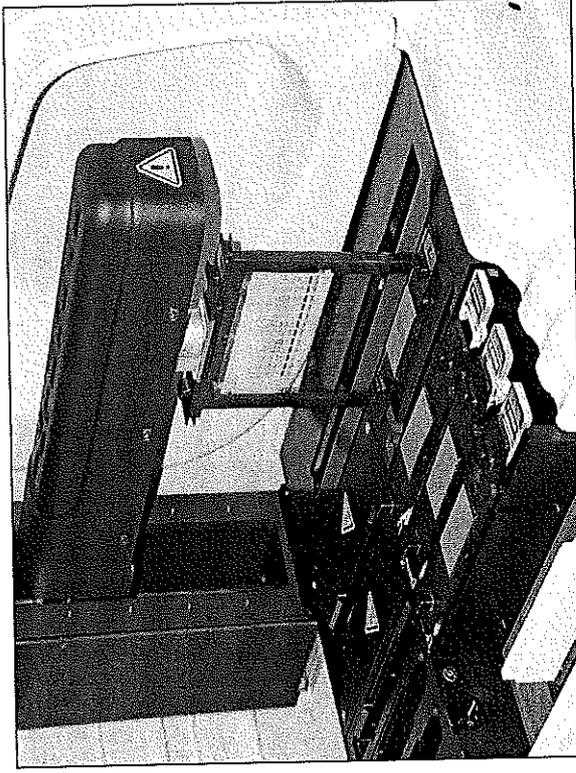


FIG.7



NORMAL CONTROL SERUM
MICROCAL SCE123A

PK201.08

INTENDED USE

Normal control serum SCE123A is intended as a qualitative and semi-quantitative for serum proteins electrophoresis, on cellulose acetate supported on Mylar® and on gel of agarose.

PRECAUTIONS FOR USE

For *in vitro* Diagnostic use.

WARNING: this material is prepared exclusively from blood donors proved to be negative for Hepatitis B Antigen (HbsAg), for Hepatitis C Virus (HCV) and HIV 1&2 Antibodies. The same precautions as those adopted with patient serum should be observed when handling this product.

COMPOSITION

Microcal is a lyophilized control serum prepared from a pool of human sera.

Reconstitution: add 0.5 mL of distilled water to the vial containing the lyophilized control serum; wait approximately 20 minutes at room temperature for complete solubilization. Always mix the solution gently before use.

STORAGE AND STABILITY

Expiration date for lyophilized control serum when stored at 2° ÷ 8°C is shown on the vial label.

After reconstitution the control serum is stable for **10 days** when stored at 2° ÷ 8°C.

LIMITATIONS

Several factors, particularly the analytical method and instrumentation used, may affect the results obtained with the control solution. The results listed in this insert sheet were obtained by serum proteins electrophoretic analysis run on Microtech and Microgel automated system manufactured by INTERLAB S.r.l..

Electrophoretic tests run on different instruments using different methods may result in values that are not comparable to those listed in this insert sheet.

Appropriate ranges should be established when using systems other than that specified above.

CHARACTERISTICS

Mean values and ranges for each fraction are listed in the following page.

The total protein concentration value was determined by the Biuret method. Each laboratory should use its own assay method to measure total protein concentration.



NORMAL CONTROL SERUM
MICROCAL SCE123A

PK201.08

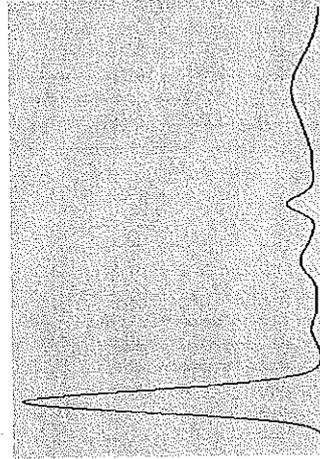
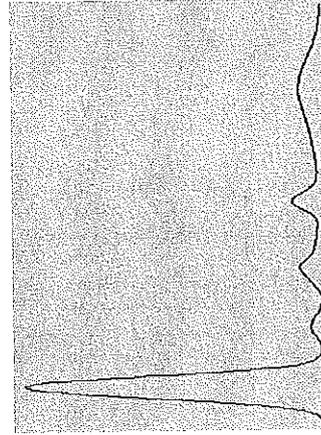
**NORMAL CONTROL SERUM
MICROCAL**

REF.: SCE123A

Lot N°	81068A
Expiration date	2011-10
Preparation	0.5 ml distilled water
Total Proteins	6.3 g/dl

Cellulose acetate supported on Mylar®
with M648ISO, M648PC e M672PC e Genio

Gel of Agarose
with Microgel e Interlab G26



Frazioni	Valore Medio %	Intervallo %
Albumina	65.61	61.71 ÷ 69.51
Alfa1	2.80	2.23 ÷ 3.37
Alfa2	6.87	5.91 ÷ 7.83
Beta	7.00	6.04 ÷ 7.96
Gamma	17.75	15.50 ÷ 20.00

Frazioni	Valore Medio %	Intervallo %
Albumina	63.20	57.81 ÷ 68.60
Alfa1	2.69	2.05 ÷ 3.33
Alfa2	7.16	6.20 ÷ 8.12
Beta	7.82	6.07 ÷ 9.57
Gamma	19.22	15.77 ÷ 22.68

255.2



NORMAL CONTROL
SERUM SCE123A

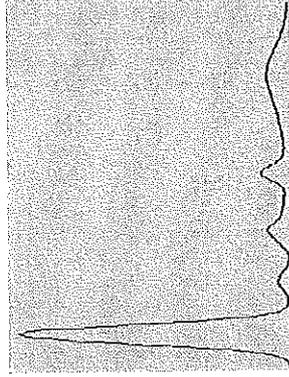
PK201.08

NORMAL CONTROL SERUM MICROCAL

REF.: SCE123A

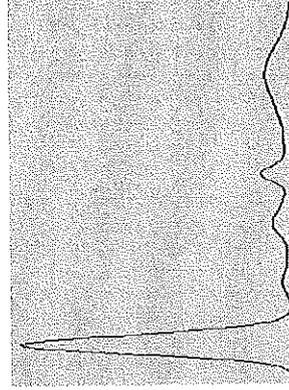
Serijos nr.	81068A
Galiojimo data	2011-10
Paruošimas	0,5 ml distiliuoto vandens
Proteinai	6,3 g/dl

Celiuliozės acetatas, paremtas Mylar su M648ISO, M648PC, M672PC e Genio



Dalėlis	Vidurkis (%)	Intervalas (%)
Albuminas	65.61	61.71-69.51
Alfa1	2.80	2.23-3.37
Alfa2	6.87	5.91-7.83
Beta	7.00	6.04-7.96
Gamma	17.75	15.50-20.00

Agarozės gels su Microgel e Interlab G26



Dalėlis	Vidurkis (%)	Intervalas (%)
Albuminas	63.20	57.81-68.60
Alfa1	2.69	2.05-3.33
Alfa2	7.16	6.20-8.12
Beta	7.82	6.07-9.57
Gamma	19.22	15.77-22.68

NAUDOJIMAS

Normal control serum SCE123A yra skirtas naudoti kokybiniams ir pusiau kokybiniams serumo proteinų elektrofozei, celiuliozės acetato, kuris patvirtintas Mylar, ir celiuliozės acetato ir agarozės gėlio elektroferėzės tikrinimui.

ĮSPĖJIMAI PRIEŠ VARTOJANT:

Naudoti tik in vitro diagnostikai.

ĮSPĖJIMAS: ši medžiaga paruošta tik iš kraujo donorų, kurių Hepatito B antigeno (HbsAg), Hepatito C viruso (HCV) ir ŽIV 1 ir 2 antikūnių testai buvo neigiami. Tokių pačių atsargumo priemonių, kaip ir laikant paciento serumą, turi būti laikomasi laikant šį produktą.

SUDĖTIS

Microcal yra liofilizuotas kontrolinis serumas, paruoštas iš žmogaus serumo.

Atskiedimas: įpilkite 0.5 ml distiliuoto vandens į buteluką, kuriame yra liofilizuoto kontrolinio serumo; palaukite apie 20 minučių kambario temperatūroje, kad visiškai ištirptų. Visada prieš naudojimą atsargiai sumaišykite tirpalą.

LAIKYMAS

Kai liofilizuotas kontrolinis serumas yra laikomas 2-8 C temperatūroje, jis galioja tiek laiko, kiek yra nurodyta ant buteliuko etiketės. Po atskiedimo kontrolinis serumas yra tinkamas naudojimui 10 dienų, kai yra laikomas 2-8 C temperatūroje.

APRIBOJIMAI

Kai kurie veiksniai, naudojami tam tikri analiziniai metodai ir instrumentai, gali paveikti rezultatus gautus su kontroliniu tirpalu. Rezultatai įrašyti į šį įterptą lapą buvo gauti iš serumo proteinų elektroforetinės analizės, kuri buvo atlikta Microtech ir Microgel automatinė sistema, kuri pagaminta INTERLAB S.r.l.

Elektroforetiniai testo rezultatai atlikti skirtingais instrumentais, naudojant skirtingus metodus, gali skirtis lyginant su pateiktais įterptame lape.

Atitinkami svyravimai turi būti nustatyti, kai naudojamos kitos sistemos, kurios nenurodytos aukščiau.

YPATYBĖS

Vidutinis dydis ir svyravimas kiekvienos frakcijos yra pateiktas sekanciam puslapyje. Totali proteino koncentracijos vertė buvo nustatyta Biuret'o metodu. Kiekviena laboratorija turi naudoti savo tyrimo metodą, kad nustatytų proteinų koncentracija.

INTENDED USE

Abnormal control serum SCE126A is intended as a qualitative and semi-quantitative control for serum proteins electrophoresis, on cellulose acetate supported on Mylar® and on gel of agarose.

PRECAUTIONS FOR USE

For in vitro Diagnostic use.

WARNING: this material is prepared exclusively from blood donors proved to be negative for Hepatitis B Antigen (HbsAg), for Hepatitis C Virus (HCV), HIV 1&2 Antibodies and for HTLV-1. The same precautions as those adopted with patient serum should be observed when handling this product.

COMPOSITION

Microcal is a lyophilized control serum prepared from a pool of human sera.

Reconstitution: add 0.5 mL of distilled water to the vial containing the lyophilized control serum; wait approximately 20 minutes at room temperature for complete solubilization. Always mix the solution gently before use.

STORAGE AND STABILITY

Expiration date for lyophilized control serum when stored at 2° ÷ 8°C is shown on the vial label. After reconstitution the control serum is stable for **15 days** when stored at 2° ÷ 8°C.

LIMITATIONS

Several factors, particularly the analytical method and instrumentation used, may affect the results obtained with the control solution. The results listed in this insert sheet were obtained by serum proteins electrophoretic analysis run on Microtech, Genio, Microgel and Interlab G26 automated system manufactured by INTERLAB S.r.l.
Electrophoretic tests run on different instruments using different methods may result in values that are not comparable to those listed in this insert sheet.
Appropriate ranges should be established when using systems other than that specified above.

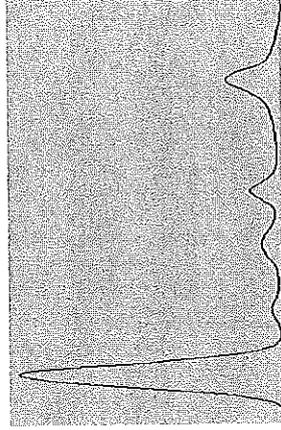
CHARACTERISTICS

Mean values and ranges for each fraction are listed in the following page.
Each laboratory should use its own assay method to measure total protein concentration.

**ABNORMAL CONTROL SERUM
MICROCAL**

REF: SCE126A

Lot N°	090405A
Expiration date	2012 - 04
Preparation	0.5 mL
Total Proteins	65 g/L



**Gel of Agarose
with Microgel e Interlab G26**

Fractions	Mean value (%)	Range (%)
Albumin	62.27	57.31 ÷ 67.24
Alpha1	2.59	1.92 ÷ 3.27
Alpha2	6.68	5.57 ÷ 7.80
Beta	7.74	6.66 ÷ 8.82
Gamma	20.93	17.69 ÷ 24.17

**Cellulose acetate supported on Mylar®
with M648ISO, M648PC e M672PC e Genio**

Fractions	Mean value (%)	Range (%)
Albumin	66.47	62.72 ÷ 70.22
Alpha1	2.38	1.75 ÷ 3.01
Alpha2	6.01	4.75 ÷ 7.27
Beta	7.47	6.27 ÷ 8.67
Gamma	17.67	16.14 ÷ 19.20

#255.3



Abnormal control serum
SCE126A

PK205
Rev.00

ABNORMAL CONTROL SERUM MICROAL

REF.: SCE126A

Serijos nr.	090405A
Galojimo data	2012 - 04
Paruošimas	0,5 ml
Proteinai	65 g/L

NAUDOJIMAS

Abnormal control serum **SCE126A** yra skirtas naudoti kokybiniam ir pusiau kokybiniam serumo proteinų elektrofozei, celiuliozės acetato, kuris patvirtintas Mylar, ir celiuliozės acetato ir agarozės gėlio elektroferozės tikrinimui.

ĮSPĖJIMAI PRIEŠ VARTOJANT:

Naudoti tik in vitro diagnostikai.

ĮSPĖJIMAS: ši medžiaga paruošta tik iš kraujo donorų, kurių Hepatito B antigeno (HbsAg), Hepatito C viruso (HCV) ir ŽIV 1 ir 2 antikūnių ir HTLV-1 testai buvo neigiami. Tokių pačių atsargumo priemonių, kaip ir laikant paciento serumą, turi būti laikomasi laikant šį produktą.

SUDĖTIS

Microal yra liofilizuotas kontrolinis serumas, paruoštas iš žmogaus serumo.

Atskiedimas: įpilkite 0.5 ml distiliuoto vandens į buteliuką, kuriame yra liofilizuoto kontrolinio serumo; palaukite apie 20 minučių kambario temperatūroje, kad visiškai ištriptų. Visada prieš naudojimą atsargiai sumaišykite tirpalą.

LAIKYMAS

Kai liofilizuotas kontrolinis serumas yra laikomas 2-8 C temperatūroje, jis galioja tiek laiko, kiek yra nurodyta ant buteliuko etiketės. Po atskiedimo kontrolinis serumas yra tinkamas naudojimui 15 dienų, kai yra laikomas 2-8 C temperatūroje.

APRIBOJIMAI

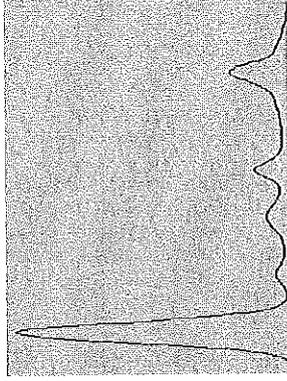
Kai kurie veiksniai, naudojami tam tikri analiziniai metodai ir instrumentai, gali paveikti rezultatus gautus su kontroliniu tirpalu. Rezultatai įrašyti į šį įterptą lapą buvo gauti iš serumo proteinų elektroforetinės analizės, kuri buvo atlikta Microtech, Microgel, Gelnio ir Interlab G26 automatinė sistema, kuri pagaminta INTERLAB S.r.l.

Elektroforetiniai testo rezultatai atikiti skirtingais instrumentais, naudojant skirtingus metodus, gali skirtis lyginant su pateiktais įterptame lape.

Atitinkami svyravimai turi būti nustatyti, kai naudojamos kitos sistemos, kurios nenurodytos aukščiau.

YPATYBĖS

Vidutinis dydis ir svyravimas kiekvienos frakcijos yra pateiktas sekanciam puslapyje. Totali proteino koncentracijos vertė buvo nustatyta Biureto metodu. Kiekviena laboratorija turi naudoti savo tyrimo metodą, kad nustatytų proteinų koncentracija.



Agarozės gėlis su Microgel e Interlab G26

Dalėlis	Vidurkis(%)	Intervalas(%)
Albuminas	62,27	57,31-67,24
Alfa1	2,59	1,92-3,27
Alfa2	6,68	5,57-7,80
Beta	7,74	6,66-8,82
Gama	20,93	17,69-24,17

Celiuliozės acetatas parentas ant Mylar su M648ISO, M648PC e M672PC e Genio

Dalėlis	Vidurkis(%)	Intervalas(%)
Albuminas	66,47	62,72-70,22
Alfa	2,38	1,75-3,01
Alfa	6,01	4,75-7,27
Beta	7,47	6,27-8,67
Gama	17,67	16,14-19,20

Informacija šiame dokumente yra INTERLAB S.r.l nuosavybė. Adresas: Rina Monti, 26-00155 Roma, Italija.

INTERLAB

Interlab Srl

SCE151M - Buffered Sponges for B1-B2 Serum Proteins and Concentrated Urines 13/39 Test

Revision nr.1
Dated 31/01/2012
Printed on 09/02/2012
Page n. 1/5

EN

Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

SCE151M
Buffered Sponges for B1-B2 Serum Proteins and Concentrated Urines 13/39 Test

Code:
Product name

1.2. Relevant identified uses of the substance or mixture and uses advised against

For the Electrophoresis of Serum Proteins B1-B2 and Concentrated Urines using Interlab Kit and Instruments

1.3. Details of the supplier of the safety data sheet

Interlab Srl
Via Riva Monti, 26
00155 Roma (RM)
Italia
Tel. +39-06-22754350
Fax +39-06-22754534
mbernalda@interlab-srl.com

e-mail address of the competent person responsible for the Safety Data Sheet

1.4. Emergency telephone number

For urgent inquiries refer to +39-06-22754350 Monday to Friday from 9:00 to 13:30 and from 14:30 to 18:00

2. Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions set forth in Directives 67/549/EEC and 1989/45/EEC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to EC Regulation 1507/2006 and subsequent amendments.

2.2. Label elements

This product is not subject to hazard labeling pursuant to Directives 67/549/EEC and 1989/45/EEC and subsequent amendments and supplements.

Warning symbols: None.
Hazard sentences (R): None.
Caution recommendations (S): None.

Safety data sheet available for professional users on request.

2.3. Other hazards

Information not available.

3. Composition/information on ingredients

3.1. Substances

Information not relevant.

INTERLAB

Interlab Srl

SCE151M - Buffered Sponges for B1-B2 Serum Proteins and Concentrated Urines 13/39 Test

Revision nr.1
Dated 31/01/2012
Printed on 09/02/2012
Page n. 2/5

EN

3.2. Mixtures

Contains:

Identification: SCE151M - Buffered Sponges for B1-B2 Serum Proteins and Concentrated Urines 13/39 Test

Classification 67/549/EEC (CLP):
Aqua Tox. 4 H302

Sodium 5,5-diethylbarbiturate
CAS: 144-02-5 Xn 152
EC: 205-9719-9
INDEX:

T = Very Toxic (R+), T = Toxic (R), Xn = Harmful (R), C = Corrosive (R), O = Oxidizing (R), E = Explosive (R), F = Extremely Flammable (R+), F = Highly Flammable (R), N = Dangerous for the Environment (N)

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.

4. First aid measures

4.1. Description of first aid measures

No harm to the staff authorized to use has been reported. However, in case of contact, inhalation or ingestion, the following general measures provided for a first aid shall be taken.

INHALATION: remove to open air; if respiration is difficult, administer artificial respiration and seek medical advice.

INGESTION: seek medical attention; induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.

EYES and SKIN: wash with plenty of water; if the irritation persists, seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed.

No episodes of damage to health attributable to the product have been reported.

4.3. Indication of any immediate medical attention and special treatment needed.

Follow doctor's orders.

5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING MEDIA
The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and nebulised water.

EXTINGUISHING MEDIA WHICH SHALL NOT BE USED FOR SAFETY REASONS
None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE
Do not breathe combustion products (carbon oxide, toxic pyrolysis products, etc).

5.3. Advice for firefighters

GENERAL INFORMATION
Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS
Handout with visor, fireproof clothing (fireproof jacket and trousers with straps around arms, legs and waist), work gloves (fireproof, cut proof and dielectric), a depressurised mask with facemask covering the whole of the operator's face or a self-respirator (self-protector) in the event of large quantities of fume.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

If there are no contraindications, spray powder with water to prevent the formation of dust. Use breathing equipment if powders are released into the air.

6.2. Environmental precautions

The product must not penetrate the sewer system, surface water, ground water and neighbouring areas.

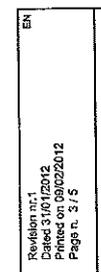
6.3. Methods and material for containment and cleaning up

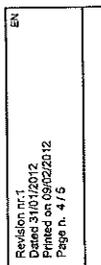
Use mechanical tools to collect leaked product and eliminate the remainder using jets of water. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

#255.1

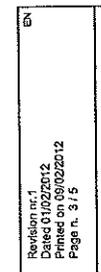
	Interlab Srl SCIE151M - Buffered Sponges for B1-B2 Serum Proteins and Concentrated Urines 13/39 Test	Revision n°1 Dated on 09/02/2012 Page n. 3 / 5																																																
7. Handling and storage																																																		
7.1. Precautions for safe handling. Do not smoke while handling and use.																																																		
7.2. Conditions for safe storage, including any incompatibilities. Store in a well ventilated place, keep far away from sources of heat, bright flames and sparks and other sources of ignition.																																																		
7.3. Specific end use(s). Information not available.																																																		
8. Exposure controls/personal protection.																																																		
8.1. Control parameters. Information not available.																																																		
8.2. Exposure controls. As the use of adequate technical equipment must always take priority over personal protection equipment, make sure that the workplace is well aired through effective local aspiration or bad air vent. HAND PROTECTION Protect hands with category I (ref. Directive 89/686/EEC and standard EN 374) work gloves, such as those in latex, PVC or equivalent. The following should be considered when choosing work glove material: degradation, breakage times and permeation. Work glove resistance to preparations should be checked before use, as it can be unpredictable. Gloves' limit depends on the duration of exposure. SKIN PROTECTION Wear category I professional, long-sleeved overalls and safety footwear (ref. Directive 89/686/CEE and standard EN 344). Wash body with soap and water after removing overalls. RESPIRATORY PROTECTION If the threshold value for one or more of the substances present in the operation for daily exposure in the workplace or to a fraction established by the company's prevention and protection services is exceeded, wear an FFP3 (ref. standard EN 141) type half mask. The use of breathing protection equipment, such as masks with organic vapour and dust/mist cartridges, is necessary in the absence of technical measures limiting worker exposure. The protection provided by masks is in any case limited. If the substance in question is odourless or its odoury threshold is higher than the relative exposure limit and in the event of an emergency, or when exposure levels are unknown or the concentration of oxygen in the workplace is less than 17% volume, wear self-contained, open-circuit, compressed air breathing apparatus (ref. standard EN 137) or fresh air hose breathing apparatus for use with full face mask, half mask or mouthpiece (ref. standard EN 139). EYE PROTECTION Use of protective air/ft goggles (ref. standard EN 166) recommended.																																																		
9. Physical and chemical properties.																																																		
9.1. Information on basic physical and chemical properties. <table border="0"> <tr><td>Appearance</td><td>solid</td></tr> <tr><td>Colour</td><td>white</td></tr> <tr><td>Odour</td><td>odourless</td></tr> <tr><td>Odour threshold</td><td>Not available.</td></tr> <tr><td>pH</td><td>8,3</td></tr> <tr><td>Melting or freezing point</td><td>Not available.</td></tr> <tr><td>Boiling point</td><td>Not available.</td></tr> <tr><td>Distillation range</td><td>Not available.</td></tr> <tr><td>Flash point</td><td>Not available.</td></tr> <tr><td>Evaporation Rate</td><td>Not available.</td></tr> <tr><td>Flammability of solids and gases</td><td>Not flammable</td></tr> <tr><td>Lower inflammability limit</td><td>Not available.</td></tr> <tr><td>Upper inflammability limit</td><td>Not available.</td></tr> <tr><td>Lower explosive limit</td><td>Not available.</td></tr> <tr><td>Upper explosive limit</td><td>Not available.</td></tr> <tr><td>Vapour pressure</td><td>Not available.</td></tr> <tr><td>Vapour density</td><td>Not available.</td></tr> <tr><td>Specific gravity</td><td>insoluble</td></tr> <tr><td>Solubility</td><td>Not available</td></tr> <tr><td>Partition coefficient: n-octanol/water</td><td>Not available.</td></tr> <tr><td>Ignition temperature</td><td>Not available.</td></tr> <tr><td>Decomposition temperature</td><td>Not available.</td></tr> <tr><td>Viscosity</td><td>Not available.</td></tr> <tr><td>Reactive Properties</td><td>Not available.</td></tr> </table>			Appearance	solid	Colour	white	Odour	odourless	Odour threshold	Not available.	pH	8,3	Melting or freezing point	Not available.	Boiling point	Not available.	Distillation range	Not available.	Flash point	Not available.	Evaporation Rate	Not available.	Flammability of solids and gases	Not flammable	Lower inflammability limit	Not available.	Upper inflammability limit	Not available.	Lower explosive limit	Not available.	Upper explosive limit	Not available.	Vapour pressure	Not available.	Vapour density	Not available.	Specific gravity	insoluble	Solubility	Not available	Partition coefficient: n-octanol/water	Not available.	Ignition temperature	Not available.	Decomposition temperature	Not available.	Viscosity	Not available.	Reactive Properties	Not available.
Appearance	solid																																																	
Colour	white																																																	
Odour	odourless																																																	
Odour threshold	Not available.																																																	
pH	8,3																																																	
Melting or freezing point	Not available.																																																	
Boiling point	Not available.																																																	
Distillation range	Not available.																																																	
Flash point	Not available.																																																	
Evaporation Rate	Not available.																																																	
Flammability of solids and gases	Not flammable																																																	
Lower inflammability limit	Not available.																																																	
Upper inflammability limit	Not available.																																																	
Lower explosive limit	Not available.																																																	
Upper explosive limit	Not available.																																																	
Vapour pressure	Not available.																																																	
Vapour density	Not available.																																																	
Specific gravity	insoluble																																																	
Solubility	Not available																																																	
Partition coefficient: n-octanol/water	Not available.																																																	
Ignition temperature	Not available.																																																	
Decomposition temperature	Not available.																																																	
Viscosity	Not available.																																																	
Reactive Properties	Not available.																																																	
9.2. Other information. VOC (Directive 1999/13/EC): 0 VOC (Volatile carbon): 0																																																		

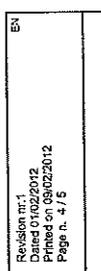
	Interlab Srl SCIE151M - Buffered Sponges for B1-B2 Serum Proteins and Concentrated Urines 13/39 Test	Revision n°1 Dated on 09/02/2012 Page n. 4 / 5
Black or brown spots on buffered sponges may occasionally appear: they do not affect the quality of the results.		
10. Stability and reactivity.		
10.1. Reactivity. There are no particular risks of reaction with other substances in normal conditions of use.		
10.2. Chemical stability. The product is stable in normal conditions of use and storage.		
10.3. Possibility of hazardous reactions. No hazardous reactions are foreseeable in normal conditions of use and storage.		
10.4. Conditions to avoid. None in particular, however the usual precautions used for chemical products should be respected.		
10.5. Incompatible materials. Strong oxidant factors.		
10.6. Hazardous decomposition products. In the event of thermal decomposition or fire, vapours potentially dangerous to health may be released.		
Carbon oxides, nitrogen oxides.		
11. Toxicological information.		
According to currently available data, this product has not yet produced health damages. Anyway, it must be handled carefully according to good industrial practices. This product may have slight health effects on sensitive people, by inhalation and/or cutaneous absorption and/or contact with eyes and/or ingestion.		
11.1. Information on toxicological effects. Sodium 6,5-dithybuturate LD50 (Oral): 600 mg/kg ratio		
12. Ecological information.		
Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.		
12.1. Toxicity. Information not available.		
12.2. Persistence and degradability. Information not available.		
12.3. Bioaccumulative potential. Information not available.		
12.4. Mobility in soil. Information not available.		
12.5. Results of PBT and vPvB assessment. Information not available.		
12.6. Other adverse effects. Information not available.		
13. Disposal considerations.		
13.1. Waste treatment methods. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Solid residues may be suitable for disposal in an authorised landfill site.		
CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.		
14. Transport information.		
The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.		

	Interlab Srl SCET51M - Buffered Sponges for B1-B2 Serum Proteins and Concentrated Urines 13/39 Test	<p>Revision n°1 Date: 31/05/2012 Printed on 08/02/2012 Page n. 5 / 5</p> <p>6N</p> <p>Transport at temperatures between 15-30 °C.</p> <p>15. Regulatory information:</p> <p>15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.</p> <p>Substance(s): None.</p> <p>Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006: None.</p> <p>Substances in Candidate List (Annex V to REACH): None.</p> <p>Substances subject to authorization (Annex XIV REACH): None.</p> <p>Hazardous controls: Information not available.</p> <p>15.2. Chemical safety assessment.</p> <p>No chemical safety assessment has been processed for the mixture and the substances it contains.</p> <p>16. Other information:</p> <p>Text of hazard (H) indications mentioned in section 2-3 of the sheet:</p> <p>Acute Tox. 4 H302 Harmful if swallowed.</p> <p>Text of risk (R) phrases mentioned in section 2-3 of the sheet:</p> <p>R22 HARMFUL IF SWALLOWED.</p> <p>GENERAL BIBLIOGRAPHY</p> <ol style="list-style-type: none"> 1. Directive 1989/45/EEC and following amendments 2. Directive 67/548/EEC and following amendments and adjustments 3. Regulation (EC) 1907/2006 (REACH) of the European Parliament 4. Regulation (EC) 1272/2008 (CLP) of the European Parliament 5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament 6. Regulation (EC) 453/2010 of the European Parliament 7. The Merck Index - 10th Edition 8. Handling Chemical Safety 9. NIOSH - Registry of Toxic Effects of Chemical Substances 10. INRS - Fiche Toxicologique (toxicological sheet) 11. Patty - Industrial Hygiene and Toxicology 12. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition <p>Note for users: The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property. The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.</p> <p>Changes to previous review: The following sections were modified: 07/08/10 / 13.</p>
---	--	---

	Interlab Srl SFE165M – Gel Plate for B1-B2 Serum Proteins and Concentrated Urines 13 Test	Revision nr.1 Dated 01/02/2012 Printed on 09/02/2012 Page n. 1 / 5
Safety Data Sheet		
Identification of the substance/mixture and of the company/undertaking		
1.1. Product identifier	SFE165M Gel Plate for B1-B2 Serum Proteins and Concentrated Urines 13 Test	
Code: Product name	For the Electrochromis of Serum Proteins B1-B2 and Concentrated Urines using InurLab Kit and Instruments	
1.2. Relevant identified uses of the substance or mixture and advised against intended use	(RM)	
1.3. Details of the supplier of the safety data sheet	Interlab Srl Via Roma Nord, 26 00155 Roma Italia Tel. +39-06-22754350 Fax +39-06-22754334 nbermala@interlab-srl.com	
Name Full address District and Country	+39-06-22754350 Monday to Friday from 9:00 to 13:30 and from 14:30 to 18:30	
e-mail address of the competent person responsible for the Safety Data Sheet	1.4. Emergency telephone number	
1.4. Emergency telephone number	For urgent inquiries refer to	
2. Hazards identification		
2.1. Classification of the substance or mixture.	The product is not classified as hazardous pursuant to the provisions set forth in Directives 67/546/EEC and 1999/45/EC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to EC Regulation 1907/2006 and subsequent amendments.	
2.2. Label elements.	This product is not subject to hazard labeling pursuant to Directives 67/546/EEC and 1999/45/EC and subsequent amendments and supplements.	
Warning symbols: None.	Hazard sentences (R): None.	
Hazard sentences (R): None.	Caution recommendations (S): None.	
Caution recommendations (S): None.	Safety data sheet available for professional users on request.	
2.3. Other hazards.	Information not available.	
3. Composition/information on ingredients		
3.1. Substances.	Information not relevant.	

	Interlab Srl SFE165M – Gel Plate for B1-B2 Serum Proteins and Concentrated Urines 13 Test	Revision nr.1 Dated 01/02/2012 Printed on 09/02/2012 Page n. 2 / 5
Safety Data Sheet		
Identification of the substance/mixture and of the company/undertaking		
3.2. Mixtures.	Classification 67/546/EEC.	
Contains:	Aozu Tex-4 H302	
Identification.	Conc. %:	
Sodium 5,5-dithiobis(2-nitrobenzothiazole)	Xn R22	
CAS: 144-02-8	1-5	
EC: 205-613-9	INDEX:	
T = Toxic (Irritant), T+ = Toxic (Irritant), Xn = Harmful (Irritant), C = Corrosive (Irritant), O = Oxidizing (Irritant), E = Explosive (Irritant), F+ = Highly Flammable (Irritant), F = Flammable (Irritant), N = Dangerous for the Environment (Irritant)	The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.	
4. First aid measures		
4.1. Description of first aid measures.	No harm to the staff authorized to use has been reported. However, in case of contact, inhalation or ingestion, the following general measures provided for a first aid shall be taken.	
INHALATION: remove to open air. If respiration is difficult, administer artificial respiration and seek medical advice.	EYES and SKIN: wash with plenty of water; if the irritation persists, seek medical advice.	
INGESTION: seek medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.	4.2. Most important symptoms and effects, both acute and delayed.	
EYES and SKIN: wash with plenty of water; if the irritation persists, seek medical advice.	No episodes of damage to health ascribable to the product have been reported.	
4.3. Indication of any immediate medical attention and special treatment needed.	Follow doctor's orders.	
5. Firefighting measures		
5.1. Extinguishing media.	SUITABLE EXTINGUISHING MEDIA The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and nebulised water.	
EXTINGUISHING MEDIA WHICH SHALL NOT BE USED FOR SAFETY REASONS	None in particular.	
5.2. Special hazards arising from the substance or mixture.	HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Do not breathe combustion products (carbon oxide, toxic pyrolysis products, etc).	
5.3. Advice for firefighters.	GENERAL INFORMATION Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.	
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS	Hardhat, with visor, fireproof clothing (fireproof jacket and trousers, with straps around arms, legs and waist), work gloves (fireproof, cut proof and dielectric), a depressurised mask with facemask covering the whole of the operator's face or a self-respirator (self-protector) in the event of large quantities of fume.	
6. Accidental release measures		
6.1. Personal precautions, protective equipment and emergency procedures.	If there are no contraindications, spray powder with water to prevent the formation of dust. Use breathing equipment if powders are released into the air.	
6.2. Environmental precautions.	The product must not penetrate the sewer system, surface water, ground water and neighbouring areas.	
6.3. Methods and material for containment and cleaning up.	Use mechanical tools to collect leaked product and eliminate the remainder using jets of water. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.	
6.4. Reference to other sections.	Any information on personal protection and disposal is given in sections 8 and 13.	

	Interlab Srl SFE165M – Gel Plate for B1-B2 Serum Proteins and Concentrated Urines 13 Test	Revision nr. 1 Dated 01/02/2012 Printed on 09/02/2012 Page n. 3 / 5	EN																																																
7. Handling and storage <p>7.1. Precautions for safe handling. Do not smoke while handling and use.</p> <p>7.2. Conditions for safe storage, including any incompatibilities. Store in a well ventilated place, keep far away from sources of heat, bright flames and sparks and other sources of ignition.</p> <p>7.3. Specific end use(s). Information not available.</p>																																																			
8. Exposure controls/personal protection <p>8.1. Control parameters. Information not available.</p> <p>8.2. Exposure controls.</p> <p>As the use of adequate technical equipment must always take priority over personal protection equipment, make sure that the workplace is well aired through effective local aspiration or bad air vent.</p> <p>HAND PROTECTION Protect hands with category I (ref. Directive 89/686/EEC and standard EN 374) work gloves, such as those in latex, PVC or equivalent. The following should be considered when choosing work glove material: degradation, leakage times and permeation. Work glove resistance to preparations should be checked before use, as it can be unpredictable. Gloves' limit depends on the duration of exposure.</p> <p>SKIN PROTECTION Wear category I professional long-sleeved overalls and safety footwear (ref. Directive 89/686/CEE and standard EN 344). Wash body with soap and water after removing overalls.</p> <p>RESPIRATORY PROTECTION If the threshold value for one or more of the substances present in the preparation for daily exposure in the workplace or to a fraction established by the company's prevention and protection services is exceeded, wear an FFP3 (ref. standard EN 141) type half mask. The use of breathing protection equipment, such as masks with organic vapour and dust/mist cartridges, is necessary in the absence of technical measures limiting worker exposure. The protection provided by masks is in any case limited. If the substance in question is scourous or its odority threshold is higher than the relative exposure limit and in the event of an emergency, or when exposure levels are unknown or the concentration of oxygen in the workplace is less than 17% volume, wear self-contained, open-circuit compressed air breathing apparatus (ref. standard EN 137) or fresh air hose breathing apparatus for use with full face mask, half mask or mouthpiece (ref. standard EN 138).</p> <p>EYE PROTECTION Use of protective airtight goggles (ref. standard EN 168) recommended.</p>																																																			
9. Physical and chemical properties <p>9.1. Information on basic physical and chemical properties.</p> <table border="0"> <tr><td>Appearance</td><td>gel</td></tr> <tr><td>Colour</td><td>transparent</td></tr> <tr><td>Odour</td><td>odorless</td></tr> <tr><td>Odour threshold</td><td>Not available.</td></tr> <tr><td>pH</td><td>8.2</td></tr> <tr><td>Melting or freezing point</td><td>Not available.</td></tr> <tr><td>Boiling point</td><td>Not available.</td></tr> <tr><td>Distillation range</td><td>Not available.</td></tr> <tr><td>Flash point</td><td>Not available.</td></tr> <tr><td>Evaporation Rate</td><td>Not available.</td></tr> <tr><td>Flammability of solids and gases</td><td>Not flammable</td></tr> <tr><td>Lower inflammability limit</td><td>Not available.</td></tr> <tr><td>Upper inflammability limit</td><td>Not available.</td></tr> <tr><td>Lower explosive limit</td><td>Not available.</td></tr> <tr><td>Upper explosive limit</td><td>Not available.</td></tr> <tr><td>Vapour pressure</td><td>Not available.</td></tr> <tr><td>Vapour density</td><td>Not available.</td></tr> <tr><td>Specific gravity</td><td>insoluble</td></tr> <tr><td>Solubility</td><td>Not available.</td></tr> <tr><td>Partition coefficient: n-octanol/water</td><td>Not available.</td></tr> <tr><td>Ignition temperature</td><td>Not available.</td></tr> <tr><td>Decomposition temperature</td><td>Not available.</td></tr> <tr><td>Viscosity</td><td>Not available.</td></tr> <tr><td>Reactive Properties</td><td>Not available.</td></tr> </table> <p>9.2. Other information. VOC (Directive 1989/3/EEC): 0 VOC (volatile carbon): 0</p>				Appearance	gel	Colour	transparent	Odour	odorless	Odour threshold	Not available.	pH	8.2	Melting or freezing point	Not available.	Boiling point	Not available.	Distillation range	Not available.	Flash point	Not available.	Evaporation Rate	Not available.	Flammability of solids and gases	Not flammable	Lower inflammability limit	Not available.	Upper inflammability limit	Not available.	Lower explosive limit	Not available.	Upper explosive limit	Not available.	Vapour pressure	Not available.	Vapour density	Not available.	Specific gravity	insoluble	Solubility	Not available.	Partition coefficient: n-octanol/water	Not available.	Ignition temperature	Not available.	Decomposition temperature	Not available.	Viscosity	Not available.	Reactive Properties	Not available.
Appearance	gel																																																		
Colour	transparent																																																		
Odour	odorless																																																		
Odour threshold	Not available.																																																		
pH	8.2																																																		
Melting or freezing point	Not available.																																																		
Boiling point	Not available.																																																		
Distillation range	Not available.																																																		
Flash point	Not available.																																																		
Evaporation Rate	Not available.																																																		
Flammability of solids and gases	Not flammable																																																		
Lower inflammability limit	Not available.																																																		
Upper inflammability limit	Not available.																																																		
Lower explosive limit	Not available.																																																		
Upper explosive limit	Not available.																																																		
Vapour pressure	Not available.																																																		
Vapour density	Not available.																																																		
Specific gravity	insoluble																																																		
Solubility	Not available.																																																		
Partition coefficient: n-octanol/water	Not available.																																																		
Ignition temperature	Not available.																																																		
Decomposition temperature	Not available.																																																		
Viscosity	Not available.																																																		
Reactive Properties	Not available.																																																		

	Interlab Srl SFE165M – Gel Plate for B1-B2 Serum Proteins and Concentrated Urines 13 Test	Revision nr. 1 Dated 01/02/2012 Printed on 09/02/2012 Page n. 4 / 5	EN
10. Stability and reactivity <p>10.1. Reactivity. There are no particular risks of reaction with other substances in normal conditions of use.</p> <p>10.2. Chemical stability. The product is stable in normal conditions of use and storage.</p> <p>10.3. Possibility of hazardous reactions. No hazardous reactions are foreseeable in normal conditions of use and storage.</p> <p>10.4. Conditions to avoid. None in particular, however the usual precautions used for chemical products should be respected.</p> <p>10.5. Incompatible materials. Strong oxidant factors.</p> <p>10.6. Hazardous decomposition products. In the event of thermal decomposition or fire, vapours potentially dangerous to health may be released. Carbon oxides, nitrogen oxides.</p>			
11. Toxicological information <p>According to currently available data, this product has not yet produced health damages. Anyway, it must be handled carefully according to good industrial practices. This product may have slight health effects on sensitive people, by inhalation and/or cutaneous absorption and/or contact with eyes and/or ingestion.</p> <p>11.1. Information on toxicological effects. Sodium 5,5-diethylbarbiturate 800 mg/kg ratio LD50 (Oral):</p>			
12. Ecological information <p>Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.</p> <p>12.1. Toxicity. Information not available.</p> <p>12.2. Persistence and degradability. Information not available.</p> <p>12.3. Bioaccumulative potential. Information not available.</p> <p>12.4. Mobility in soil. Information not available.</p> <p>12.5. Results of PBT and vPvB assessment. Information not available.</p> <p>12.6. Other adverse effects. Information not available.</p>			
13. Disposal considerations <p>13.1. Waste treatment methods. Nest product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Solid residues may be suitable for disposal in an authorised landfill site. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.</p>			
14. Transport information <p>The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.</p> <p>Transport at temperatures between 15-30 °C.</p>			

	Interlab Srl SFE16SM – Gel Plate for B1-B2 Serum Proteins and Concentrated Urines 13 Test	Revision n.1 Dated 01/10/2012 Printed on 09/02/2012 Page n. 5 / 5
15. Regulatory information.		
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.	None.	
Substances in Candidates List (Art. 59 REACH).	None.	
Substances subject to authorisation (Annex XIV REACH).	None.	
Health and safety controls. Information not available.		
15.2. Chemical safety assessment.	No chemical safety assessment has been processed for the mixture and the substances it contains.	
16. Other information.		
Text of hazard (H) indications mentioned in section 2-3 of the sheet:	Acute Toxicity, category 4 H302 Harmful if swallowed.	
Text of risk (R) phrases mentioned in section 2-3 of the sheet:	R22 HARMFUL IF SWALLOWED.	
GENERAL BIBLIOGRAPHY	<ol style="list-style-type: none"> 1. Directive 1999/45/EC and following amendments 2. Directive 67/548/EEC and following amendments and adjustments 3. Regulation (EC) 1907/2006 (REACH) of the European Parliament 4. Regulation (EC) 1272/2008 (CLP) of the European Parliament 5. Regulation (EC) 790/2009 (Atp. CLP) of the European Parliament 6. Regulation (EC) 453/2010 of the European Parliament 7. The Merck Index. - 10th Edition 8. Handling Chemical Safety 9. NIOSH - Registry of Toxic Effects of Chemical Substances 10. INRS - Fiche Toxicologiques (toxicological sheet) 11. Patty - Industrial Hygiene and Toxicology 12. I.L.I. Saz. - Dangerous properties of Industrial Materials-7, 1989 Edition 	
Note for users: The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property. The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.		

	Interlab Srl SRE150M - Washing Solution for Applicators (80 ml)	Revision n.2 Dated 28/02/2012 Printed on 29/02/2012 Page n. 1 / 5
<h2>Safety Data Sheet</h2>		
1. Identification of the substance/mixture and of the company/undertaking		
1.1. Product identifier	SRE150M Washing Solution for Applicators (80 ml)	
Code: Product name	SRE150M Washing Solution for Applicators (80 ml)	
1.2. Relevant identified uses of the substance or mixture and uses advised against	For the Electrocoagulation using Interlab Kit and Instruments	
Identified use		
1.3. Details of the supplier of the safety data sheet	Interlab Srl Via Rima (front), 26 00155 Roma (RM) Italia Tel. +39-06-22754350 Fax +39-06-22754354 e-mail address of the competent person responsible for the Safety Data Sheet: mbernalda@interlab-srl.com	
1.4. Emergency telephone number	+39-06-22754350 Monday to Friday from 9:00 to 13:30 and from 14:30 to 18:00	
2. Hazards identification		
2.1. Classification of the substance or mixture.	The product is not classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).	
2.2. Label elements.	Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.	
Pictograms:	-	
Warning:	-	
Hazard indication:	-	
Caution recommendations:	-	
2.3. Other hazards.	Information not available.	
3. Composition information on ingredients		
3.1. Substances.	The product does not contain substances classified as being hazardous to human health or the environment pursuant to the provisions set forth in Directives 67/548/EEC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).	
3.2. Mixtures.	Information not relevant.	
4. First aid measures		
4.1. Description of first aid measures.	Nevertheless, observance of good industrial hygiene is recommended.	
4.2. Most important symptoms and effects, both acute and delayed.	No episodes of damage to health ascribable to the product have been reported.	

	Interlab Srl SRE150M - Washing Solution for Applicators (80 ml)	Revision n.2 Dated 28/02/2012 Printed on 29/02/2012 Page n. 2 / 5
4.3. Indication of any immediate medical attention and special treatment needed. Information not available.		
5. Firefighting measures		
5.1. Extinguishing media.	SUITABLE EXTINGUISHING MEDIA The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and rebuffed water. EXTINGUISHING MEDIA WHICH SHALL NOT BE USED FOR SAFETY REASONS None in particular.	
5.2. Special hazards arising from the substance or mixture. HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE	Do not breathe combustion products (carbon oxide, toxic pyrolysis products, etc).	
5.3. Advice for firefighters.	GENERAL INFORMATION Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS Hardhat with visor, fireproof clothing (fireproof jacket and trousers with straps around arms, legs and waist), work gloves (fireproof, cut proof and dielectric), a depressurised mask with foam mask covering the whole of the operator's face or a self-respirator (self-protector) in the event of large quantities of fumes.	
6. Accidental release measures		
6.1. Personal precautions, protective equipment and emergency procedures.	Use breathing equipment if fumes or powders are released into the air.	
6.2. Environmental precautions.	The product must not penetrate the sewers, surface water, ground water and neighbouring areas.	
6.3. Methods and material for containment and cleaning up.	Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.	
6.4. Reference to other sections.	Any information on personal protection and disposal is given in sections 8 and 13.	
7. Handling and storage		
7.1. Precautions for safe handling.	Store in closed, labelled containers.	
7.2. Conditions for safe storage, including any incompatibilities.	Normal storage conditions without particular incompatibilities.	
7.3. Specific end uses.	Information not available.	
8. Exposure control/personal protection		
8.1. Control parameters.	Information not available.	
8.2. Exposure controls.	Observance of safety measures used in handling chemical substances. RESPIRATORY PROTECTION None required. EYE PROTECTION None required. HAND PROTECTION None required. SKIN PROTECTION None required.	

	Interlab Srl SRE150M - Washing Solution for Applicators (80 ml)	EN Revision nr.2 Dated 28/02/2012 Printed on 29/02/2012 Page n. 3 / 5
9. Physical and chemical properties. 9.1. Information on basic physical and chemical properties. Appearance: liquid Colour: colourless Odour: odourless Odour threshold: Not available. pH: 4,5 Melting or freezing point: Not available. Boiling point: Not available. Distillation range: Not available. Flash point: Not available. Evaporation Rate: Not available. Flammability of solids and gases: Not flammable. Lower inflammability limit: Not available. Upper inflammability limit: Not available. Lower explosive limit: Not available. Upper explosive limit: Not available. Vapour pressure: Not available. Vapour density: Not available. Specific gravity: Not available. Solubility: miscible Partition coefficient n-octanol/water: Not available. Ignition temperature: Not available. Decomposition temperature: Not available. Viscosity: Not available. Reactive Properties: Not available. 9.2. Other information. VOC (Directive 1989/3/EEC): 0,01 % VOC (volatile carbon): < 0,01 %		
10. Stability and reactivity. 10.1. Reactivity. There are no particular risks of reaction with other substances in normal conditions of use. 10.2. Chemical stability. The product is stable in normal conditions of use and storage. 10.3. Possibility of hazardous reactions. No hazardous reactions are foreseeable in normal conditions of use and storage. 10.4. Conditions to avoid. None in particular, however the usual precautions used for chemical products should be respected. 10.5. Incompatible materials. Information not available. 10.6. Hazardous decomposition products. In the event of thermal decomposition or fire, vapours potentially dangerous to health may be released.		
11. Toxicological information. According to currently available data, this product has not yet produced health damages. Anyway, it must be handled carefully according to good industrial practices. This product may have slight health effects on sensitive people, by inhalation and/or cutaneous absorption and/or contact with eyes and/or ingestion. 11.1. Information on toxicological effects. Information not available.		
12. Ecological information. Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation. 12.1. Toxicity. Information not available. 12.2. Persistence and degradability. Information not available.		

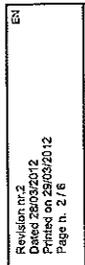
	Interlab Srl SRE150M - Washing Solution for Applicators (80 ml)	EN Revision nr.2 Dated 28/02/2012 Printed on 29/02/2012 Page n. 4 / 5
12.3. Bioaccumulative potential. Information not available. 12.4. Mobility in soil. Information not available. 12.5. Results of PBT and vPvB assessment. Information not available. 12.6. Other adverse effects. Information not available. 13. Disposal considerations. 13.1. Waste treatment methods. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm. In compliance with national and local regulations. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.		
14. Transport information. The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations. Transport at temperatures between 15-30 °C.		
15. Regulatory information. 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture. None. Success category: None. Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006. None. Substances in Candidate List (Art. 59 REACH). None. Substances subject to authorization (Annex XIV REACH). None.		
Health and safety controls. Information not available. 15.2. Chemical safety assessment. No chemical safety assessment has been processed for the mixture and the substances it contains.		
16. Other information. GENERAL BIBLIOGRAPHY 1. Directive 1989/45/EEC and following amendments 2. Directive 67/548/EEC and following amendments and adjustments 3. Regulation (EC) 1907/2006 (REACH) of the European Parliament 4. Regulation (EC) 1272/2008 (CLP) of the European Parliament 5. Regulation (EC) 790/2008 (Atp. CLP) of the European Parliament 6. Regulation (EC) 453/2010 of the European Parliament 7. The Merck index - 10th Edition 8. Handling Chemical Safety 9. NIOSH - Registry of Toxic Chemical Substances 10. INRS - Fiche Toxicologique (toxicological sheet) 11. Pasty - Industrial Hygiene and Toxicology 12. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition		



Note for users:
The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.
This document must not be regarded as a guarantee on any specific product property.
The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Changes to previous revision:
The following sections were modified:
02/08/09/11/13/15/16.

	Interlab Srl SRE633L - Acid Blue Stain Ready to Use (500 ml)	Revision nr.2 Dated 28/03/2012 Printed on 28/03/2012 Page n. 1 / 6
<h2>Safety Data Sheet</h2>		
Identification of the substance/mixture and of the company/undertaking		
1.1. Product identifier	SRE633L Acid Blue Stain Ready to Use (500 ml)	
Code: Product name	SRE633L Acid Blue Stain Ready to Use (500 ml)	
1.2. Relevant identified uses of the substance or mixture and uses advised against	For the Electrophoresis of Serum Proteins, Concentrated Urines, Immunofixation, and Hemoglobins using Interlab Kit and Instruments	
1.3. Details of the supplier of the safety data sheet	Interlab Srl Via Bira Mont, 26 00195 Roma (RM) Italy Tel. +39-06-22754350 Fax +39-06-22754354 mbernside@interlab-srl.com	
1.4. Emergency telephone number	+39-06-22754350 Monday to Friday from 9:00 to 13:30 and from 14:30 to 18:00	
2. Hazards identification		
2.1. Classification of the substance or mixture.	The product is not classified as hazardous pursuant to the provisions set forth in Directives 67/546/EEC and 1999/45/EC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to EC Regulation 1907/2006 and subsequent amendments.	
2.2. Label elements.	This product is not subject to hazard labeling pursuant to Directives 67/549/EEC and 1999/45/EC and subsequent amendments and supplements. Warning symbols: None. Hazard sentences (R): None. Caution recommendations (S): None. Safety data sheet available for professional users on request.	
2.3. Other hazards.	Information not available.	
3. Composition/information on ingredients		
3.1. Substances.	Information not relevant.	

	Interlab Srl SRE633L - Acid Blue Stain Ready to Use (500 ml)	Revision nr.2 Dated 28/03/2012 Printed on 28/03/2012 Page n. 2 / 6
Identification		
3.2. Mixtures.	SRE633L - Acid Blue Stain Ready to Use (500 ml)	
Contains:	Classification 67/546/EEC.	
Identification.	Classification 1272/2008 (CLP).	
ACETIC ACID	Form. Liq. 3 H228, Skin Corr. 1A H314, H360	
CAS: 64-19-7	R10, C F+H, N2H 8	
EC: 200-580-7	5 - 9	
INDEX: 607-502-00-6	T+ = Very Toxic(T+), T = Toxic(T), C = Corrosive(C), Xn = Harmful(Xn), O = Oxidising(O), E = Explosive(E), F+ = Highly Flammable(F+), N = Dangerous for the Environment(N)	
The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.		
4. First aid measures		
4.1. Description of first aid measures.	EYES: Irrigate copiously with clean, fresh water for at least 15 minutes. Seek medical advice.	
SKIN: Immediately wash with plenty of water. Remove all contaminated clothing. Wash contaminated clothing separately before using them again.	Obtain immediate medical attention. Wash contaminated clothing separately before using them again. Obtain immediate medical attention.	
INHALATION: Remove to open air. If breathing is irregular or stopped, administer artificial respiration. Obtain immediate medical attention.	Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Give nothing by mouth to an unconscious person.	
4.2. Most important symptoms and effects, both acute and delayed.	For symptoms and effects caused by the contained substances see chap. 11.	
4.3. Indication of any immediate medical attention and special treatment needed.	Follow doctor's orders.	
5. Firefighting measures		
5.1. Extinguishing media.	SUITABLE EXTINGUISHING MEDIA The extinguishing equipment should contain carbon dioxide, foam or chemical powders. For product leaks and spills that have not caught fire, nebulised water can be used to disperse flammable fumes and protect the individuals taking part in stemming the leak.	
5.2. Special hazards arising from the substance or mixture.	EXTINGUISHING MEDIA WHICH SHALL NOT BE USED FOR SAFETY REASONS Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.	
5.3. Advice for firefighters.	HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products (carbon oxide, toxic pyrolysis products, etc).	
6. Accidental release measures		
6.1. Personal precautions, protective equipment and emergency procedures.	Wear appropriate protective equipment. Send away individuals who are not suitably equipped. Use breathing equipment if fumes or powders are released into the air. Block the leakage if there is no hazard. Do not handle damaged containers or the leaked product before donning appropriate protective gear. For information on risks for the environmental and health, respiratory tract protection, ventilation and personal protection equipment, refer to the other sections of this sheet.	
6.2. Environmental precautions.	The product must not penetrate the sewers, surface water, ground water and neighbouring areas. Dilute the product well with water after collection.	
6.3. Methods and material for containment and cleaning up.	For liquid products, suck into a suitable container (made of material not incompatible with the product) and soak up any leaked product with absorbent inert material (sand, vermiculite, diatomaceous earth, Kieselguhr, etc). Collect the majority of the remaining material and deposit in containers for disposal. For solid products, use spark proof mechanical tools to collect the leaked product and place in plastic containers. If there are no contraindications, use jets of water to eliminate product residues. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.	

6.4. Reference to other sections.
 Any information on personal protection and disposal is given in sections 8 and 13.

7. Handling and storage

- 7.1. Precautions for safe handling.
 Do not smoke while handling and use.
- 7.2. Conditions for safe storage, including any incompatibilities.
 Store in a well ventilated place, keep far away from sources of heat, bright flames and sparks and other sources of ignition.
- 7.3. Specific end uses (s).
 Information not available.

8. Exposure control/personal protection

8.1. Control parameters.

Name	Type	Country	TVA/UB mg/m ³	STEL/5min mg/m ³	ppm
ACETIC ACID	TLV-ACGIH	EU	25	10	15
	OEL	IRL	10	10	15

8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protection equipment, make sure that the workplace is well aired through effective local aspiration or bed air-vent.

HAND PROTECTION
 Protect hands with category 1 (ref. Directive 89/686/EEC and standard EN 374) work gloves, such as those in latex, PVC or equivalent. The following should be considered when choosing work glove material: degradation, breakage times and permeation. Work glove resistance to preparations should be checked before use, as it can be unpredictable. Gloves' limit depends on the duration of exposure.

SKIN PROTECTION
 Wear category 1 professional long-sleeved overalls and safety footwear (ref. Directive 89/686/CEE and standard EN 344). Wash body with soap and water after removing overalls.

RESPIRATORY PROTECTION
 If the threshold value for one or more of the substances present in the preparation for daily exposure in the workplace or to a fraction established by the company's prevention and protection service is exceeded, wear a mask with an A or universal filter, the class (1, 2 or 3) of which must be chosen according to the limit concentration of use (ref. standard EN 141).

The use of breathing protection equipment, such as masks with organic vapour and dust/mist cartridges, is necessary in the absence of technical measures limiting worker exposure. The protection provided by masks is higher than the relative exposure limit and in the event of an emergency, or if the substance in question is odorous or its odoury threshold is higher than the relative exposure limit and in the event of an emergency, or when exposure levels are unknown or the concentration of oxygen in the workplace is less than 17% volume, wear self-contained, open-circuit compressed air breathing apparatus (ref. standard EN 137) or fresh air hose breathing apparatus for use with full face mask, half mask or mouthpiece (ref. standard EN 139).

EYE PROTECTION
 Use of protective airtight goggles (ref. standard EN 166) recommended.

9. Physical and chemical properties

- 9.1. Information on basic physical and chemical properties.
- Appearance: liquid
 - Colour: blue
 - Colour characteristic: characteristic of acetic acid
 - Colour: Not available.
 - Colour threshold: 2,65
 - pH: Not available.
 - Melting or freezing point: Not available.
 - Boiling point: Not available.
 - Density (20°C): Not available.
 - Flash point: Not available.
 - Evaporation Rate: Not available.
 - Flammability of solids and gases: Not flammable
 - Lower inflammability limit: Not available.
 - Upper inflammability limit: Not available.
 - Upper explosive limit: Not available.
 - Lower explosive limit: Not available.
 - Vapour pressure: Not available.
 - Specific density: Not available.
 - Specific gravity: Not available.
 - Solubility: miscible

Partition coefficient: n-octanol/water
 Ignition temperature:
 Decomposition temperature:
 Viscosity
 Reactive Properties

9.2. Other information.
 VOC (Directive 1989/116/EEC): 5,00 %
 VOC (volatile carbon): 2,00 %

10. Stability and reactivity

10.1. Reactivity.
 There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability.
 The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions.
 No hazardous reactions are foreseeable in normal conditions of use and storage.

ACETIC ACID: risk of explosion on contact with: chromium (IV) oxide, potassium permanganate, sodium peroxide, perchloric acid, phosphorus chloride, hydrogen peroxide. Can react dangerously with: alcohols, bromine pentachloride, chlorosulphuric acid, dichromate-sulphuric acid, ethane diamine, ethylene glycol, potassium hydroxide, strong bases, sodium hydroxide, strong oxidising agent, nitric acid, ammonium nitrate, potassium tetr-oxide, oleum. Forms explosive mixtures with air.

10.4. Conditions to avoid.
 None in particular, however the usual precautions used for chemical products should be respected.

ACETIC ACID: avoid exposure to sources of heat and naked flames.

10.5. Incompatible materials.
 ACETIC ACID: carbonates, hydroxides, many oxides and phosphates. Oxidising substances and bases.

10.6. Hazardous decomposition products.
 In the event of thermal decomposition or fire, vapours potentially dangerous to health may be released.

11. Toxicological information

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled carefully according to good industrial practices. This product may have slight health effects on sensitive people, by inhalation and/or cutaneous absorption and/or contact with eyes and/or ingestion.

11.1. Information on toxicological effects.

ACETIC ACID
 LD50 (Oral): 3310 mg/kg Rat
 LC50 (Inhalation): 11,4 mg/l/4h Rat
 LD50 (Dermal): 1660 mg/kg Rabbit

12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

12.1. Toxicity.
 Information not available.

12.2. Persistence and degradability.
 Information not available.

12.3. Bioaccumulative potential.
 Information not available.

12.4. Mobility in soil.
 Information not available.

12.5. Results of PBT and vPvB assessment.
 Information not available.

12.6. Other adverse effects.
 Information not available.

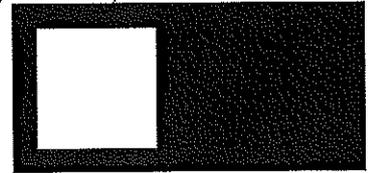
	Interlab Srl SRE633L - Acid Blue Stain Ready to Use (500 ml)	Revision nr.2 Dated 28/03/2012 Printed on 28/03/2012 Page n. 5 / 6												
<p>13. Disposal considerations:</p> <p>13.1. Waste treatment methods. Reuse, when possible. Nest product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.</p>														
<p>14. Transport information:</p> <p>The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.</p> <p>Transport at temperatures between 15-30 °C.</p>														
<p>15. Regulatory information:</p> <p>15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.</p> <p>Severely category: None.</p> <p>Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006: None.</p> <p>Substances in Candidate List (Art. 59 REACH): None.</p> <p>Substances subject to authorization (Annex XIV REACH): None.</p> <p>Health and safety information not available.</p> <p>15.2. Chemical safety assessment.</p> <p>No chemical safety assessment has been processed for the mixture and the substances it contains.</p>														
<p>16. Other information:</p> <p>Text of hazard (H) indications mentioned in section 2-3 of the sheet:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">Fam. Liq. 3</td> <td>Flammable liquid, category 3</td> </tr> <tr> <td>Skin Corr. 1A</td> <td>Skin corrosion, category 1A</td> </tr> <tr> <td>H228</td> <td>Flammable liquid and vapour.</td> </tr> <tr> <td>H314</td> <td>Causes severe skin burns and eye damage.</td> </tr> </table> <p>Text of risk (R) phrases mentioned in section 2-3 of the sheet:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">R10</td> <td>FLAMMABLE.</td> </tr> <tr> <td>R35</td> <td>CAUSES SEVERE BURNS.</td> </tr> </table> <p>GENERAL BIBLIOGRAPHY</p> <ol style="list-style-type: none"> 1. Directive 1999/45/EC and following amendments 2. Directive 67/548/EEC and following amendments and adjustments 3. Regulation (EC) 1907/2006 (REACH) of the European Parliament 4. Regulation (EC) 1272/2008 (CLP) of the European Parliament 5. Regulation (EC) 790/2006 (T.Aq. CLP) of the European Parliament 6. Regulation (EC) 453/2010 of the European Parliament 7. The Merck Index - 10th Edition 8. Handling Chemical Safety 9. NIOSH - Registry of Toxic Substances 10. INRS - Fiche Toxicologique (toxicological sheet) 11. Patty - Industrial Hygiene and Toxicology 12. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition 			Fam. Liq. 3	Flammable liquid, category 3	Skin Corr. 1A	Skin corrosion, category 1A	H228	Flammable liquid and vapour.	H314	Causes severe skin burns and eye damage.	R10	FLAMMABLE.	R35	CAUSES SEVERE BURNS.
Fam. Liq. 3	Flammable liquid, category 3													
Skin Corr. 1A	Skin corrosion, category 1A													
H228	Flammable liquid and vapour.													
H314	Causes severe skin burns and eye damage.													
R10	FLAMMABLE.													
R35	CAUSES SEVERE BURNS.													

	Interlab Srl SRE633L - Acid Blue Stain Ready to Use (500 ml)	Revision nr.2 Dated 28/03/2012 Printed on 28/03/2012 Page n. 6 / 6
<p>Note for users:</p> <p>The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.</p> <p>This document must not be regarded as a guarantee on any specific product property.</p> <p>The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.</p> <p>Changes to previous review: The following sections were modified: 01 / 02 / 03 / 08 / 09 / 11 / 12 / 13 / 15 / 16.</p>		

DIAPATH

44; 75; 99; 184-199; 206; 207;
208; 209; 214; 264; 271

DICHIARAZIONE DI CONFORMITÀ DECLARATION OF CONFORMITY



Il produttore: Diapath S.p.A.
The Manufacturer: Via Savoldini, n.71
24057 Martinengo (BG)
Italia

dichiara sotto la propria responsabilità che
declares under its own responsibility that

I prodotti
the products

vedere elenco Allegato I
see Annex I

corrispondono ai requisiti del D.Lgs.8 settembre 2000, n.332 in "Attuazione della direttiva 98/79/CE relativa ai dispositivi medico-diagnostici in vitro." Ex Art.9 – Valutazione della conformità – comma 1, allegato III "Altri"
agree with requirements of D.Lgs.8th September 2000, n.332 in "Accomplishment of directive 98/79/CE about in vitro diagnostic medical devices." Ex Art.9 – Conformity assessment Procedure – par. 1, Annex III class "Others"

Questi prodotti dovranno essere correttamente forniti ed installati, essere oggetto di adeguata manutenzione/conservazione ed utilizzati in conformità della loro destinazione.
These products shall be properly supplied and installed, well maintained/preserved and used according to their purpose.

Luogo e data / Place and date: Martinengo (BG), 18.02.2015

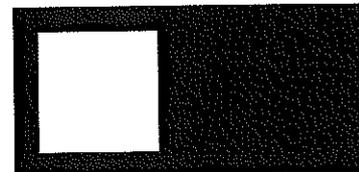
Firma /Signature Diapath S.p.A.
Il Presidente/ The President
Bergamini Vladimiro

Il presente documento è valido per gli usi consentiti dalla legge/ The present document is valid for uses permitted by law

MCQ180-1_Dichiarazione_CE_IVD_reagenti_consumabili_IT_EN_180215

DIAPATH S.p.A.
Via Savoldini, 71 - 24057 Martinengo (BG) Italy
Tel. (+39) 0363.986411 - Fax (+39) 0363.948000
info@diapath.com - www.diapath.com

Cod. Fiscale e P.IVA 02705540165
Registro delle imprese di Bergamo: 02705540165
R.E.A. nr. 317033 - Registro A.E.E. IT08020000001060
Capitale Sociale i.v. € 2.400.000,00

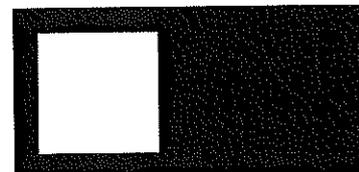


Annex I

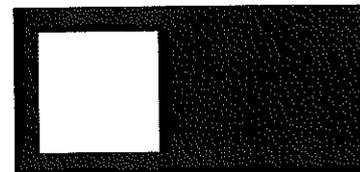
DESCRIPTION	CODE
GROSSING CONSUMABLES	
Disposable transparent container, about 25 ml, WHITE screwcap with molded-in sealing rings	070013
Disposable transparent container, about 40 ml, BLUE screwcap	070021
Disposable transparent container, about 60 ml, RED screwcap with molded-in sealing rings	070015R
Disposable transparent container, about 60 ml, GREEN screwcap with molded-in sealing rings	070015V
Disposable transparent container, about 60 ml, BLUE screwcap with molded-in sealing rings	070015B
Disposable transparent container, about 60 ml, WHITE screwcap with molded-in sealing rings	070015Z
Disposable transparent container, about 60 ml, YELLOW screwcap with molded-in sealing rings	070015G
Disposable transparent container, about 150 ml, RED screwcap	070016
Disposable transparent container, about 250 ml, WHITE screwcap	070019
Disposable white container, about 11 lt, WHITE press-close lid	070063
DISPOSABLE CONTAINERS	
Disposable serigraphed tub XXS	070935
Disposable serigraphed tub XS	070940
Disposable serigraphed tub S	070943
Disposable serigraphed tub M	070947
Disposable serigraphed tub L	070950
Disposable serigraphed tub XL	070960
Disposable serigraphed tub XXL	070965
Disposable white tub XXS	071935
Disposable white tub XS	071940
Disposable white tub S	071943
Disposable white tub M	071947
Disposable white tub L	071950
Disposable white tub XL	071960
Disposable white tub XXL	071965
White cap for container XXS	070936
White cap for container XS/S	070941
White cap for container M	070948
White cap for container L	070951
White cap for container XL	070961
White cap for container XXL	070966
Transparent cap for container XXS	070937
Transparent cap for container XS/S	070942
Transparent cap for container M	070949
Transparent cap for container L	070952



<i>DESCRIPTION</i>	<i>CODE</i>
Transparent cap for container XL	070962
Transparent cap for container XXL	070967
Disposable rectangular container, about 550 ml – 145x95x76 mm (WxDxH)	070070
Disposable rectangular container, about 1380 ml – 191x128x72 mm (WxDxH)	070077
Disposable rectangular container, about 2650 ml – 198x157x105 mm (WxDxH)	070086
Disposable rectangular container, about 6200 ml – 250x196x171 mm (WxDxH)	070089
SPECIMEN BAGS	
Tissue Bags Long Term Storage "S" 50x100 mm (WxD)	S4740
Tissue Bags Long Term Storage "S" 80x150 mm (WxD)	S4741
Tissue Bags Long Term Storage "S" 150x150 mm (WxD)	S4742
Tissue Bags Long Term Storage "S" 180x200 mm (WxD)	S4743
Tissue Bags Long Term Storage "S" 230x300 mm (WxD)	S4744
Tissue Bags Long Term Storage "S" 300x300 mm (WxD)	S4745
Bags for transport of biological specimens	S4751
CUT UP BOARDS	
Disposable cutting boards for anatomical specimens 300x200 mm (WxD)	088010
Disposable cutting boards for anatomical specimens 300x450 mm (WxD)	088020
Disposable cutting boards for anatomical specimens 150x200 mm (WxD)	088030
Dissection board	SDCPS9008
TRIMMING BLADES	
Trimming knife 130	05TK130
Trimming knife 260	05TK260
PRE-FILLED TANKS FOR DONATELLO & DONATELLO FAST	
Formalin tank	H0015
Ottix Plus tank	H0025
Ottix Shaper tank	H0035
XyloI tank	H0045
Microclearing tank	H0055
Empty tank	H0065
Water tank	H0095
Diawave tank	H0115
Histoalcol 95 tank	H0125
Histoalcol 99 tank	H0135
Ottix tank	H0155
Diawhite 95 tank	H0165
Diawhite 99 tank	H0175
GreenFix tank	H0185
GreenFix Plus tank	H0195
Histoalcol 70 tank	H0205
Picroformol acc. Bouin tank	H0215



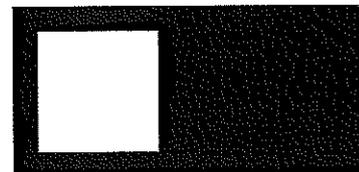
DESCRIPTION	CODE
Pink Alcohol 99.9	H0225
Pink Alcohol 94 tank	H0235
Pink Alcohol 90 tank	H0245
Diawhite 50 tank	H0255
Histoalcol 50 tank	H0265
Histowhite alcohol tank	H0275
Histowhite alcohol 95 tank	H0285
Histowhite alcohol 70 tank	H0295
Histowhite alcohol 50 tank	H0305
Diasolv tank	H0315
Formalin acetate buffer tank	H0325
Formalin stabilized ready to use tank	H0335
Formalin 5% ready to use tank	H0345
Microzinc tank	H0355
Alcolin tank	H0375
Acetic formalin 4% tank	H0385
F.A.A. tank	H0415
F.A.A. pink tank	H0425
Diawhite 70 tank	H0435
PRE-FILLED TANKS FOR TISBE, RVG AND SIMILAR PROCESSORS	
Formalin tank	Z0015
Ottix Plus tank	Z0025
Ottix Shaper tank	Z0035
Xylol tank	Z0045
Microclearing tank	Z0055
Paraffin 56°-58°C tank	Z0085
Paraffin 52°-54°C tank	Z0145
Water tank	Z0095
Diawave tank	Z0115
Histoalcol 95 tank	Z0125
Histoalcol 99 tank	Z0135
Ottix tank	Z0155
Diawhite 95 tank	Z0165
Absolute Diawhite tank	Z0175
GreenFix tank	Z0185
GreenFix Plus tank	Z0195
Histoalcol 70 tank	Z0205
Picroformol acc.Bouin tank	Z0215
Absolute alcohol pink tank	Z0225
Alcohol 94% pink tank	Z0235
Alcohol 90% pink tank	Z0245



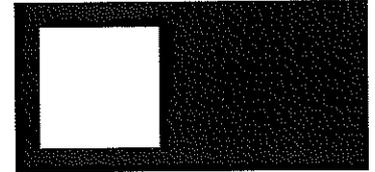
DESCRIPTION	CODE
Diawhite 50 tank	Z0255
Histoalcol 50 tank	Z0265
Histowhite alcohol tank	Z0275
Histowhite alcohol 95 tank	Z0285
Histowhite alcohol 70 tank	Z0295
Histowhite alcohol 50 tank	Z0305
Diasolv tank	Z0455
CONSUMABLES FOR TISSUE PROCESSING	
Tissue cassettes, white	070190
Tissue cassettes, orange	070191
Tissue cassettes, light blue	070192
Tissue cassettes, yellow	070193
Tissue cassettes, pink	070194
Tissue cassettes, green	070195
Tissue cassettes, grey	070196
Tissue biopsy cassettes, grey	070343
Tissue biopsy cassettes, red	070344
Tissue biopsy cassettes, white	070345
Tissue biopsy cassettes, light blue	070346
Tissue biopsy cassettes, yellow	070347
Tissue biopsy cassettes, pink	070348
Tissue biopsy cassettes, green	070349
Stacked cassettes, white	070381
Stacked cassettes, yellow	070382
Stacked cassettes, pink	070383
Stacked cassettes, blue	070384
Stacked cassettes, green	070385
Stacked cassettes, orange	070386
Biopsy stacked cassettes, white	070391
Biopsy stacked cassettes, yellow	070392
Biopsy stacked cassettes, pink	070393
Biopsy stacked cassettes, blue	070394
Biopsy stacked cassettes, green	070395
Biopsy stacked cassettes, orange	070396
Embedding cassettes, white, without cover	070200
Embedding cassettes, blue, without cover	070205
Embedding cassettes, yellow, without cover	070210
Embedding cassettes, green, without cover	070215
Embedding cassettes, pink, without cover	070225
Stainless steel cover	070240



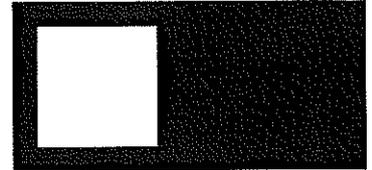
DESCRIPTION	CODE
Cassettes, white, separate cover	070450
Cassettes, blue, separate cover	070451
Cassettes, yellow, separate cover	070452
Cassettes, pink, separate cover	070453
Cassettes, green, separate cover	070454
Cassettes, orange, separate cover	070455
Cassettes, white, assembled and detachable cover	070460
Biopsy cassettes, white, separate cover	070470
Biopsy cassettes, blue, separate cover	070471
Biopsy cassettes, yellow, separate cover	070472
Biopsy cassettes, pink, separate cover	070473
Biopsy cassettes, green, separate cover	070474
Micro Biopsy cassettes, white	070170
Tissue mega cassettes, white	070360
Tissue mega cassettes, light blue	070361
Tissue mega cassettes, yellow	070362
Tissue mega cassettes, green	070363
Tissue mega cassettes, pink	070364
Super mega cassettes, white	070750
Biopsy filters	070159
Bag filters, polyester 30x45 mm (WxD)	070160
Bag filters, polyester 45x60 mm (WxD)	070161
Bag filters, paper 30x50 mm (WxD)	070165
Filters bag, paper 45x73 mm	070166
Filters bag, paper 75x100 mm	070167
Endoscopic Filters	070150
Diawax 52-54°C	030900
Diawax 52-54°C	030900/SP
Diawax 56-58°C	030920
Diawax 56-58°C	030920/SP
Diawax 52-54°C	030990
Diawax 52-54°C	030990/SP
Diawax 56-58°C	030980
Diawax 56-58°C	030980/SP



DESCRIPTION	CODE
CONSUMABLES FOR EMBEDDING	
Ring - White embedding ring molds	070410
Tissue Molds 7x7x6 mm	070805
Tissue Molds 15x15x6 mm	070806
Tissue Molds 24x24x6 mm	070807
Tissue Molds 30x24x6 mm	070808
Tissue Molds 37x24x6 mm	070809
Tissue Molds 33x24x12 mm for Mega cassettes	070810
Tissue Molds 70x50x15 mm for Super Mega cassettes	070811
Tissue Dispomolds 7x7x6 mm	070820
Tissue Dispomolds 15x15x6 mm	070821
Tissue Dispomolds 24x24x6 mm	070822
Tissue Dispomolds 30x24x6 mm	070823
Tissue Dispomolds 37x24x6 mm	070824
Tissue Dispomolds 29x20x12 mm per Mega cassette	070825
Tissue Dispomolds 65x45x15 mm per Super Mega cassette	070826
Tissue Dispomolds 24x24x6 mm	071822
Tissue Dispomolds 30x24x6 mm	071823
Base Moulds 7x7x5 mm, 5 places	070830
Base Moulds 15x15x5 mm, 5 places	070831
Base Moulds 24x24x5 mm, 5 places	070832
Base Moulds 30x24x5 mm, 5 places	070833
Base Moulds 37x24x5 mm, 5 places	070834
Base Moulds 33x25x13 mm, 5 places	070835
Base Moulds 39x25x13 mm, 5 places	070836
Bluwax 56-58°C	030981
DISPOSABLE BLADES	
Diacut 35 Advance	05500A
Diacut Ultra Plus	05500N
Diacut 35 Ultra	05500U
Diacut 35 Gold	05500G
Cryostat blades	05100C
MICROTOMY AND CRYOTOMY CONSUMABLES	
Cryobloc Compound	070130
Cryo Spray	070143
RAFFAELLO MOUNTING KIT	
RAFFAELLO Mounting Kit - Mounting kit Diamount/coverlip 24x50 mm	K501
RAFFAELLO Mounting Kit - Mounting kit Diamount/coverlip 24x60 mm	K502



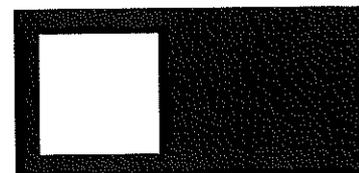
<i>DESCRIPTION</i>	<i>CODE</i>
RAFFAELLO STAINING KIT	
Carazzi Hematoxylin - Eosin Phloxine	K301-X
Gill I Hematoxylin - Eosin Phloxine	K302-X
Gill II Hematoxylin - Eosin Phloxine	K303-X
Harris Hematoxylin - Eosin Phloxine	K304-X
HHS Hematoxylin - Eosin Phloxine	K305-X
Mayer Hematoxylin - Eosin Phloxine	K306-X
Carazzi Hematoxylin – Alcoholic Eosin	K307-X
Gill I Hematoxylin – Alcoholic Eosin	K308-X
Gill II Hematoxylin – Alcoholic Eosin	K309-X
Harris Hematoxylin – Alcoholic Eosin	K310-X
HHS Hematoxylin – Alcoholic Eosin	K311-X
Mayer Hematoxylin – Alcoholic Eosin	K312-X
Carazzi Hematoxylin – Alcoholic HB Eosin	K313-X
Gill I Hematoxylin – Alcoholic HB Eosin	K314-X
Gill II Hematoxylin – Alcoholic HB Eosin	K315-X
Harris Hematoxylin – Alcoholic HB Eosin	K316-X
HHS Hematoxylin – Alcoholic HB Eosin	K317-X
Mayer Hematoxylin – Alcoholic HB Eosin	K318-X
Carazzi Hematoxylin – Aqueous Eosin	K319-X
Gill I Hematoxylin – Aqueous Eosin	K320-X
Gill II Hematoxylin – Aqueous Eosin	K321-X
Harris Hematoxylin – Aqueous Eosin	K322-X
HHS Hematoxylin – Aqueous Eosin	K323-X
Mayer Hematoxylin – Aqueous Eosin	K324-X
Carazzi Hematoxylin – Aqueous HB Eosin	K325-X
Gill I Hematoxylin – Aqueous HB Eosin	K326-X
Gill II Hematoxylin – Aqueous HB Eosin	K327-X
Harris Hematoxylin – Aqueous HB Eosin	K328-X
HHS Hematoxylin – Aqueous HB Eosin	K329-X
Mayer Hematoxylin – Aqueous HB Eosin	K330-X
Harris Hematoxylin – EA31	K401-X
Harris Hematoxylin – EA50	K402-X
Harris Hematoxylin – EA50 Ultra Bright	K403-X
Harris Hematoxylin – EA65	K404-X
Gill II Hematoxylin – EA31	K405-X
Gill II Hematoxylin – EA50	K406-X
Gill II Hematoxylin – EA50 Ultra Bright	K407-X
Gill II Hematoxylin – EA65	K408-X



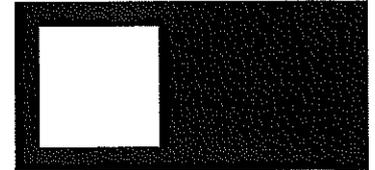
<i>DESCRIPTION</i>	<i>CODE</i>
MICROSCOPE SLIDES AND COVERSLIPS	
Microscope slides, cut edge	0610PTC
Microscope slides, cut edge, frosted marking area on both sides	0610TSC
Microscope slides, bevelled edge, without marking area	0610PMC
Microscope slides, bevelled edge, frosted marking area on both sides	0610MSC
Microscope slides, bevelled edge, frosted marking area on both sides with paper divider between each slide	0610MSC/CC
Microscope slide, bevelled edge 45°, orange marking area	06PMBAC
Microscope slide, bevelled edge 45°, white marking area	06PMBZC
Microscope slide, bevelled edge 45°, blue marking area	06PMBBC
Microscope slide, bevelled edge 45°, yellow marking area	06PMBGC
Microscope slide, bevelled edge 45°, pink marking area	06PMBRC
Microscope slide, bevelled edge 45°, green marking area	06PMBVC
Microscope slide, bevelled edge 45°, white marking area (for AP Itineris Slide Printer)	GP09014
DFrost Plus microscope slides	060SFPD
Coverslips, 24x40 mm	061041
Coverslips, 24x50 mm	061051
Coverslips, 24x60 mm	061061
MANUAL STAINING	
Manual staining set, 3 reservoirs, 450 ml capacity	061011/CM
Manual staining set, 12 reservoirs, 450 ml capacity	061010/CM
Manual staining set, 12 reservoirs, 250 ml capacity	SDSCM0000
Rack of 30 slides	53CV30
Staining reservoir, 450 ml capacity	53STX02
Reservoir lid	53STX04
MOUNTING MEDIA	
Alcomount	060510
Automaticmount	06AM0-X
Diamount	030400
Micromount	060200
Micromount	060500
Immersion oil for microscopy	070144
Buffered glycerin pH 7	E003-X
MONOLAYER CYTOLOGY	
DiaPrep Gyn	ML100
DiaPrep Non-Gyn	ML200
DiapPrep Non-Gyn U	ML300



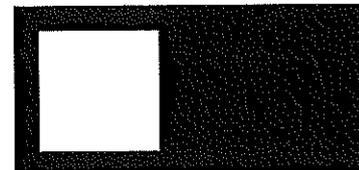
DESCRIPTION	CODE
CONSUMABLES FOR CYTOLOGY	
Vial, 40 ml, screw cap, prefilled with Diacyte (21 ml)	DC-011
	DC-013
Sticker solution	DC-030
Diacyte solution	DC-020
Vial of 40 ml, screw cap, empty, with label	DC-041
	DC-045
50 ml Falcon tube, screw cap, prefilled with Diacyte (15 ml)	DC-051
50 ml Falcon tube, screw cap, prefilled with Diacyte (17 ml)	DC-052
	DC-061
50 ml Falcon tube, screw cap, empty, with label	DC-065
Dual Cyto cuvette, high absorption	550061
Dual Cyto cuvette, medium absorption	550063
CYTOLOGY FILTERS	
Membrane filters porosity 3 µm 19x42 mm	100020
Membrane filters porosity 5 µm 19x42 mm	100040
Membrane filters porosity 5 µm	100015
Membrane filters porosity 5 µm	100050
Membrane filters porosity 8 µm	100065
CYTOLOGY KIT	
Cell Kit	010810
SPECIAL STAIN KIT	
AgNOR	010801-X
Alcian Blue pH 0.2 acc Dorling	010203-X
Alcian Blue pH 0.5 acc. Dorling	010204-X
Alcian Blue pH 1.0 acc. Dorling	010205-X
Alcian Blue pH 1.5 acc. Dorling	010206-X
Alcian Blue pH 2.5 acc. Dorling	010207-X
Alcian Blue pH 3.1 acc. Dorling	010208-X
Alcian Blue pH 2.5 P.A.S. acc.Mowry	010209-X
Alcian yellow - Toluidine blue	010269-X
Azan Trichrome	010212-X
AFOG (Acid Fuchsin Orange G) stain	010307-X
Verhoeff's stain	010308-X
Congo red	010214-X
Grocott	010311-X
Dane trichrome	010215-X
Fast Quick - M.G.G. rapid	010253-X
Fast Quick Hematoxylin Eosin	010263-X



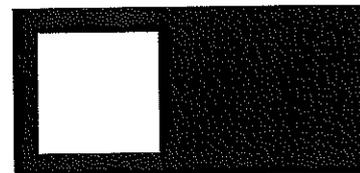
DESCRIPTION	CODE
Feulgen and Rossenbeck	010219-X
Fouchet - Van Gieson acc. Kutlick	010220-X
Paraldehyde fuchsin acc. Gomori	010235-X
Long Giemsa acc. Lennert	010225-X
Goldner's trichrome (Masson's trichrome with light green)	010224-X
Gomori's trichrome	010302-X
Gram for histological sections	010221-X
Grimelius	010222-X
Grocott acc. Callard	010223-X
Silver impregnation	010211-X
Luxol Fast Blue acc. Kluwer - Barrera	010226-X
Mallory's Trichrome Acc. McFarlane	010227-X
Masson Fontana	010228-X
Masson's trichrome	010210-X
May-Grunwald Giemsa acc. Romanowsky for tissue sections	010229-X
May-Grunwald Giemsa for smears	010802-X
Movat pentachrome stain	010247-X
MSB stain	010255-X
Mucicarmine acc. Mayer	010245-X
Oil Red O acc. Johnson	010303-X
Acid Orcein	010251-X
P.T.A.H Phosphotungstic acid hematoxylin acc. Mallory	010239-X
P.A.S (Periodic Acid Schiff) acc. Hotchkiss - McManus	010231-X
P.A.S (Periodic Acid Schiff) acc. Morel - Maronger	010232-X
P.A.S (Periodic Acid Schiff) acc. Pearse	010233-X
Perls	010236-X
Perls-Van Gieson	010237-X
Picro Mallory trichrome acc. Lendrum	010238-X
P.A.S.M. Silver Metenamine acc. Callard	010234-X
Hale's Reaktion	010312-X
Rhodamine	010248-X
Sirius Red	010306-X
Sirius Red for collagen	010254-X
Diastase buffer	010216-X
Twort	010310-X
Van Gieson trichrome acc. Weigert	010240-X
Methyl green pyronin acc. Unna	010230-X
Von Kossa acc. Mc Gee - Russel	010241-X
Warthin Starry	010270-X
Weigert - Van Gieson long method	010218-X
Weigert - Van Gieson fast method	010243-X



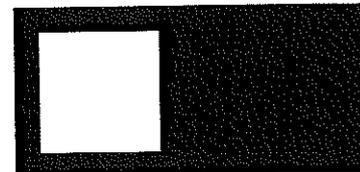
DESCRIPTION	CODE
Weigert for elastic fibers, long method	010217-X
Weigert for elastic fibers, fast method	010242-X
Ziehl-Neelsen (Acid fast bacteria)	010201-X
Ziehl-Neelsen acc. Fite	010202-X
READY TO USE REAGENTS FOR HISTOLOGY AND CYTOLOGY	
Alcian blue pH 0.2 acc. Mowry	C001-X
Alcian blue pH 0.5 acc. Mowry	C002-X
Alcian blue pH 1 acc. Mowry	C003-X
Alcian blue pH 1.5 acc. Mowry	C004-X
Alcian blue pH 2.5 acc. Mowry	C005-X
Alcian blue pH 3.1 acc. Mowry	C006-X
Azocarmine G acc. Heidenhain	C007-X
Orange G acc. Pearse	C008-X
Blue Aniline acc. Masson	C009-X
Blue Aniline orange G acc. Mallory	C010-X
Blue Aniline orange G acc. Heidenhain	C011-X
Blue Astra pH 2.5	C012-X
Blue Methylene acc. Löffler	C079-X
Blue Methylene acc. Mallory	C013-X
Blue Toluidine Polychromatic	C014-X
Carmallum acc. Mayer	C015-X
Cresyl violet metachromatic	C016-X
Violet crystal acc. Gram-Weigert	C017-X
Cresyl violet acc. Kluwer-Barrera	C018-X
Cresyl violet acc. Moore	C019-X
Carazzi hematoxylin	C020-X
Ferric hematoxylin acc. Weigert reagent A	C022-X
Ferric hematoxylin acc. Weigert reagent B	C023-X
Phosphotungstic acid hematoxylin (P.T.A.H.) acc. Mallory	C024-X
Gill I hematoxylin	C025-X
Gill II hematoxylin	C026-X
Gill III hematoxylin	C027-X
Harris hematoxylin for histology	C028-X
HHS hematoxylin (High Specificity Hematoxylin)	C029-X
Mayer hematoxylin	C030-X
Regaud hematoxylin modified	C031-X
Eosin – Floxin	C034-X
Eosin G or Y 0,5% alcoholic	C035-X
Eosin G or Y 0,5% alcoholic HB (High Brilliance)	C076-X
Eosin G or Y polychromatic 1% aqueous	C036-X



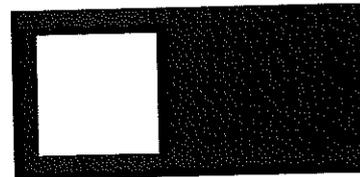
DESCRIPTION	CODE
Eosin G or Y 1% aqueous HB (High Brilliance)	C077-X
Erythrosin	C037-X
Erythrosin B orange acc. Dominici	C038-X
Floxin B acc. Gram	C039-X
Floxin B 3% aqueous solution	C040-X
Fuchsin, basic	C041-X
Fuchsin, phenolized acc. Ziehl	C042-X
Fuchsin, paraldehyde acc. Gomori	C043-X
Fuchsin Ponceau acc. Masson	C044-X
Giemsa acc. Pappenheim	C045-X
Kernechtrot (Nuclear Fast Red)	C048-X
Luxol Fast Blue acc. Kluwer - Barrera	C049-X
May Grunwald acc. Pappenheim	C050-X
Oil Red O	C051-X
Orcein, acetic	C052-X
Orcein, acid acc. Shikata	C053-X
Papanicolaou Isaac & Wurch reagent A	C046-X
Papanicolaou Isaac & Wurch reagent IW3	C047-X
Papanicolaou EA 31	C054-X
Papanicolaou EA 50	C021-X
Papanicolaou EA 50 ULTRA BRIGHT	C055-X
Papanicolaou EA 65	C056-X
Papanicolaou Harris hematoxylin	C057-X
Papanicolaou Harris hematoxylin modified	C075-X
Papanicolaou OG 6	C058-X
Picro indigo Carmine acc. Morel - Moronger	C059-X
Picrofuchsin acc. Van Gieson	C060-X
Schiff reagent acc. Feulgen	C061-X
Schiff reagent acc. Hotchkiss - McManus	C062-X
Congo Red acc. Highman	C063-X
Congo Red acc. Puchtler	C064-X
Neutral Red acc. Allen	C065-X
Safranine O acc. Flemming	C067-X
Sudan III acc. Herxheimer	C068-X
Sudan black B acc. Lison	C069-X
Light green acc. Goldner	C070-X
Light green acc. Grocott	C071-X
Methyl green pyronin acc. Lison	C072-X
Methyl green purified acc. Unna	C073-X
Weigert rapid	C074-X



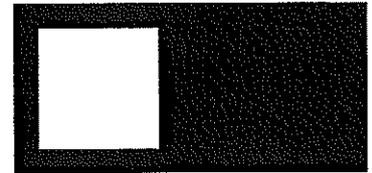
<i>DESCRIPTION</i>	<i>CODE</i>
STAINING SOLUTIONS FOR CYTOLOGY	
Luminosa Hematoxylin acc. Harris	C094-X
Luminosa OG6	C095-X
Luminosa EA50	C096-X
Luminosa EA65C	C097-X
Luminosa EA65D	C098-X
Luminosa OG2	C099-X
GLUES & ADHESIVES	
Glicerate albumin acc. Mallory	E001-X
Gelatin glue for tissue floating bath	E002-X
DECALCIFIERS	
Bone marrow Fix & Dec Ultra Quick	010244-X
Bone marrow Fix & Dec	010213-X
Bone marrow Fix & Dec II	010258-X
Hydrochloric acid acc. Jenkins	D001-X
Nitric acid-formalin	D002-X
Nitric acid urea acc. Mallory	D003-X
Electrolytic decalcificant	D004-X
MicroDec, EDTA-based	D005-X
MicroDecfast	D006-X
Diadec	D007-X
FIXATIVES	
Antigenfix	P001-X
B5 Fixative	P002-X
Bouin Hollande	P003-X
Carnoy Fixative	P004-X
Saccomanno fixative	P005-X
F.A.A. Fixative	P006-X
F.A.A. Fixative modified acc. Lillie	P007-X
MicroFix Spray acc. Kossa	P008-X
Duboscq – Brasil Fixative	P009-X
Bouin Fixative	P010-X
GreenFix	P011-X
GreenFix Plus	P014-X



<i>DESCRIPTION</i>	<i>CODE</i>
FORMALINS	
Formalin with certified osmolarity	F027-X
Formaldehyde 23-24% m/v	F001-X
10% Formalin acetate buffer	F002-X
Concentrated neutral buffered formalin	F003-X
10% neutral buffered formalin	F004-X
Concentrated neutralized formalin	F005-X
5% Neutral buffered formalin	F010-X
Pink Formalin pH 7.2-7.4	F020-X
10% stabilized formalin	F007-X
Concentrated stabilized formalin	F008-X
Microzinc	F009-X
Alcolin	F014-X

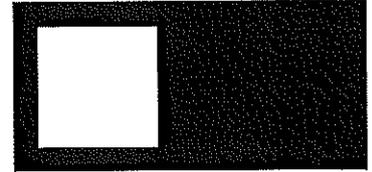


<i>Pre-filled container with 10% neutral buffered formalin, ready to use</i>			
DESCRIPTION	CODE	JAR VOLUME	FILLING VOLUME
Pre-filled falcons tube with buffered formalin, ready to use	Q01000	10 ml	5 ml
Polypropylene container with screwcap, pre-filled with 10% neutral buffered formalin, ready to use	Q01004	25 ml	5 ml
	Q01005	25 ml	10 ml
	Q01006	25 ml	15 ml
	Q01011	30 ml	10 ml
	Q01012	30 ml	20 ml
	Q01021	60 ml	20 ml
Polypropylene container with GREEN screwcap, pre-filled with 10% neutral buffered formalin, ready to use	Q01021V	60 ml	20 ml
Polypropylene container with BLUE screwcap, pre-filled with 10% neutral buffered formalin, ready to use	Q01021B	60 ml	20 ml
Polypropylene container with WHITE screwcap, pre-filled with 10% neutral buffered formalin, ready to use	Q01021Z	60 ml	20 ml
Polypropylene container with YELLOW screwcap, pre-filled with 10% neutral buffered formalin, ready to use	Q01021G	60 ml	20 ml
Polypropylene container with screwcap, pre-filled with 10% neutral buffered formalin, ready to use	Q01022	60 ml	40 ml
Polypropylene container with GREEN screwcap, pre-filled with 10% neutral buffered formalin, ready to use	Q01022V	60 ml	40 ml
Polypropylene container with BLUE screwcap, pre-filled with 10% neutral buffered formalin, ready to use	Q01022B	60 ml	40 ml
Polypropylene container with WHITE screwcap, pre-filled with 10% neutral buffered formalin, ready to use	Q01022Z	60 ml	40 ml
Polypropylene container with YELLOW screwcap, pre-filled with 10% neutral buffered formalin, ready to use	Q01022G	60 ml	40 ml
Polypropylene container with screwcap, pre-filled with 10% neutral buffered formalin, ready to use	Q01023	60 ml	30 ml
Polypropylene container with GREEN screwcap, pre-filled with 10% neutral buffered formalin, ready to use	Q01023V	60 ml	30 ml
Polypropylene container with BLUE screwcap, pre-filled with 10% neutral buffered formalin, ready to use	Q01023B	60 ml	30 ml
Polypropylene container with WHITE screwcap, pre-filled with 10% neutral buffered formalin, ready to use	Q01023Z	60 ml	30 ml
Polypropylene container with YELLOW screwcap, pre-filled with 10% neutral buffered formalin, ready to use	Q01023G	60 ml	30 ml
Polypropylene container with screwcap, pre-filled with 10% neutral buffered formalin, ready to use	Q01101	150 ml	90 ml
	Q01111	250 ml	150 ml
Polypropylene container with pressure cap, pre-filled with 10% neutral buffered formalin, ready to use	Q01060	600 ml	300 ml
	Q01071	1000 ml	600 ml
	Q01081	2500 ml	1500 ml
	Q01091	5000 ml	3000 ml

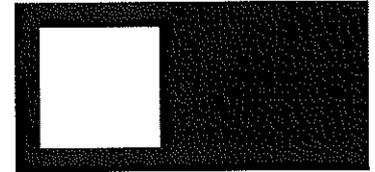


<i>Pre-filled container with certified osmolarity formalin</i>			
<i>DESCRIPTION</i>	<i>CODE</i>	<i>JAR VOLUME</i>	<i>FILLING VOLUME</i>
Polypropylene container with screwcap, pre-filled with osmolarity formalin	Q41064	500 ml	250 ml
	Q41073	2,5 lt	1,5 lt
	Q41091	5 lt	3 lt

<i>Pre-filled container with acetic alcoholic formalin (F.A.A.), ready to use</i>			
<i>DESCRIPTION</i>	<i>CODE</i>	<i>JAR VOLUME</i>	<i>FILLING VOLUME</i>
Polypropylene container with screwcap, pre-filled with acetic alcoholic formalin (F.A.A.), ready to use	Q02021	60 ml	20 ml
Polypropylene container with GREEN screwcap, pre-filled with acetic alcoholic formalin (F.A.A.), ready to use	Q02021V	60 ml	20 ml
Polypropylene container with BLUE screwcap, pre-filled with acetic alcoholic formalin (F.A.A.), ready to use	Q02021B	60 ml	20 ml
Polypropylene container with WHITE screwcap, pre-filled with acetic alcoholic formalin (F.A.A.), ready to use	Q02021Z	60 ml	20 ml
Polypropylene container with YELLOW screwcap, pre-filled with acetic alcoholic formalin (F.A.A.), ready to use	Q02021G	60 ml	20 ml
Polypropylene container with screwcap, pre-filled with acetic alcoholic formalin (F.A.A.), ready to use	Q02022	60 ml	40 ml
Polypropylene container with GREEN screwcap, pre-filled with acetic alcoholic formalin (F.A.A.), ready to use	Q02022V	60 ml	40 ml
Polypropylene container with BLUE screwcap, pre-filled with acetic alcoholic formalin (F.A.A.), ready to use	Q02022B	60 ml	40 ml
Polypropylene container with WHITE screwcap, pre-filled with acetic alcoholic formalin (F.A.A.), ready to use	Q02022Z	60 ml	40 ml
Polypropylene container with YELLOW screwcap, pre-filled with acetic alcoholic formalin (F.A.A.), ready to use	Q02022G	60 ml	40 ml
Polypropylene container with screwcap, pre-filled with acetic alcoholic formalin (F.A.A.), ready to use	Q02101	150 ml	90 ml
Polypropylene container with screwcap, pre-filled with acetic alcoholic formalin (F.A.A.), ready to use	Q02111	250 ml	150 ml
Polypropylene container with pressure cap, pre-filled with acetic alcoholic formalin (F.A.A.), ready to use	Q02061	500 ml	300 ml
	Q02071	1000 ml	600 ml
	Q02081	2500 ml	1500 ml
	Q02091	5000 ml	3000 ml



<i>Pre-filled container with Picroformol acc. Bouin</i>			
<i>DESCRIPTION</i>	<i>CODE</i>	<i>JAR VOLUME</i>	<i>FILLING VOLUME</i>
Polypropylene container with screwcap, pre-filled with picroformol acc. Bouin	Q03011	30 ml	10 ml
	Q03021	60 ml	20 ml
Polypropylene container with GREEN screwcap, pre-filled with picroformol acc. Bouin	Q03021V	60 ml	20 ml
Polypropylene container with BLUE screwcap, pre-filled with picroformol acc. Bouin	Q03021B	60 ml	20 ml
Polypropylene container with WHITE screwcap, pre-filled with picroformol acc. Bouin	Q03021Z	60 ml	20 ml
Polypropylene container with YELLOW screwcap, pre-filled with picroformol acc. Bouin	Q03021G	60 ml	20 ml
Polypropylene container with screwcap, pre-filled with picroformol acc. Bouin	Q03022	60 ml	40 ml
Polypropylene container with GREEN screwcap, pre-filled with picroformol acc. Bouin	Q03022V	60 ml	40 ml
Polypropylene container with BLUE screwcap, pre-filled with picroformol acc. Bouin	Q03022B	60 ml	40 ml
Polypropylene container with WHITE screwcap, pre-filled with picroformol acc. Bouin	Q03022Z	60 ml	40 ml
Polypropylene container with YELLOW screwcap, pre-filled with picroformolo acc. Bouin	Q03022G	60 ml	40 ml
Polypropylene container with screwcap, pre-filled with picroformol acc. Bouin	Q03101	150 ml	90 ml
Polypropylene container with screwcap, pre-filled with picroformol acc. Bouin	Q03111	250 ml	150 ml
Polypropylene container with pressure cap, pre-filled with picroformol acc. Bouin	Q03061	500 ml	300 ml
	Q03071	1000 ml	600 ml
	Q03081	2500 ml	1500 ml
	Q03091	5000 ml	3000 ml



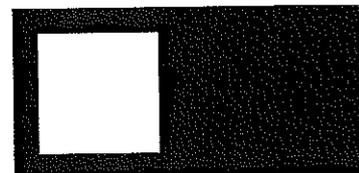
<i>Pre-filled container with Bouin-Hollande</i>			
<i>DESCRIPTION</i>	<i>CODE</i>	<i>JAR VOLUME</i>	<i>FILLING VOLUME</i>
Polypropylene container with screwcap, pre-filled with Bouin-Hollande	Q04011	30 ml	10 ml
	Q04021	60 ml	20 ml
Polypropylene container with GREEN screwcap, pre-filled with Bouin-Hollande	Q04021V	60 ml	20 ml
Polypropylene container with BLUE screwcap, pre-filled with Bouin-Hollande	Q04021B	60 ml	20 ml
Polypropylene container with WHITE screwcap, pre-filled with Bouin-Hollande	Q04021Z	60 ml	20 ml
Polypropylene container with YELLOW screwcap, pre-filled with Bouin-Hollande	Q04021G	60 ml	20 ml
Polypropylene container with screwcap, pre-filled with Bouin-Hollande	Q04022	60 ml	40 ml
Polypropylene container with GREEN screwcap, pre-filled with Bouin-Hollande	Q04022V	60 ml	40 ml
Polypropylene container with BLUE screwcap, pre-filled with Bouin-Hollande	Q04022B	60 ml	40 ml
Polypropylene container with WHITE screwcap, pre-filled with Bouin-Hollande	Q04022Z	60 ml	40 ml
Polypropylene container with YELLOW screwcap, pre-filled with Bouin-Hollande	Q04022G	60 ml	40 ml
Polypropylene container with screwcap, pre-filled with Bouin-Hollande	Q04101	150 ml	90 ml
Polypropylene container with screwcap, pre-filled with Bouin-Hollande	Q04111	250 ml	150 ml
Polypropylene container with pressure cap, pre-filled with Bouin-Hollande	Q04061	500 ml	300 ml
	Q04071	1000 ml	600 ml
	Q04081	2500 ml	1500 ml
	Q04091	5000 ml	3000 ml



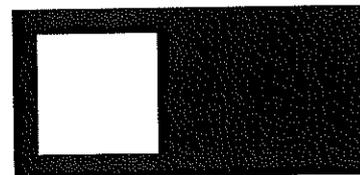
<i>Pre-filled container with Picroformol Duboscq-Brasil (Alcoholic Bouin)</i>			
DESCRIPTION	CODE	JAR VOLUME	FILLING VOLUME
Polypropylene container with screwcap, pre-filled with Picroformol Duboscq-Brasil (Alcoholic Bouin)	Q05021	60 ml	20 ml
Polypropylene container with GREEN screwcap, pre-filled with Picroformol Duboscq-Brasil (Alcoholic Bouin)	Q05021V	60 ml	20 ml
Polypropylene container with BLUE screwcap, pre-filled with Picroformol Duboscq-Brasil (Alcoholic Bouin)	Q05021B	60 ml	20 ml
Polypropylene container with WHITE screwcap, pre-filled with Picroformol Duboscq-Brasil (Alcoholic Bouin)	Q05021Z	60 ml	20 ml
Polypropylene container with YELLOW screwcap, pre-filled with Picroformol Duboscq-Brasil (Alcoholic Bouin)	Q05021G	60 ml	20 ml
Polypropylene container with screwcap, pre-filled with Picroformol Duboscq-Brasil (Alcoholic Bouin)	Q05022	60 ml	40 ml
Polypropylene container with GREEN screwcap, pre-filled with Picroformol Duboscq-Brasil (Alcoholic Bouin)	Q05022V	60 ml	40 ml
Polypropylene container with BLUE screwcap, pre-filled with Picroformol Duboscq-Brasil (Alcoholic Bouin)	Q05022B	60 ml	40 ml
Polypropylene container with WHITE screwcap, pre-filled with Picroformol Duboscq-Brasil (Alcoholic Bouin)	Q05022Z	60 ml	40 ml
Polypropylene container with YELLOW screwcap, pre-filled with Picroformol Duboscq-Brasil (Alcoholic Bouin)	Q05022G	60 ml	40 ml
Polypropylene container with screwcap, pre-filled with Picroformol Duboscq-Brasil (Alcoholic Bouin)	Q05101	150 ml	90 ml
Polypropylene container with screwcap, pre-filled with Picroformol Duboscq-Brasil (Alcoholic Bouin)	Q05111	250 ml	150 ml
Polypropylene container with pressure cap, pre-filled with Picroformol Duboscq-Brasil (Alcoholic Bouin)	Q05061	500 ml	300 ml
	Q05071	1000 ml	600 ml
	Q05081	2500 ml	1500 ml
	Q05091	5000 ml	3000 ml



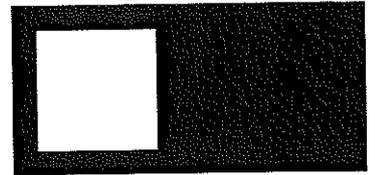
<i>Pre-filled container with acetic alcoholic formalin (F.A.A.) pink, ready to use</i>			
DESCRIPTION	CODE	JAR VOLUME	FILLING VOLUME
Polypropylene container with screwcap, pre-filled with pink acetic alcoholic formalin (F.A.A.), ready to use	Q06021	60 ml	20 ml
Polypropylene container with GREEN screwcap, pre-filled with pink acetic alcoholic formalin (F.A.A.), ready to use	Q06021V	60 ml	20 ml
Polypropylene container with BLUE screwcap, pre-filled with pink acetic alcoholic formalin (F.A.A.), ready to use	Q06021B	60 ml	20 ml
Polypropylene container with WHITE screwcap, pre-filled with pink acetic alcoholic formalin (F.A.A.), ready to use	Q06021Z	60 ml	20 ml
Polypropylene container with YELLOW screwcap, pre-filled with pink acetic alcoholic formalin (F.A.A.), ready to use	Q06021G	60 ml	20 ml
Polypropylene container with screwcap, pre-filled with pink acetic alcoholic formalin (F.A.A.), ready to use	Q06022	60 ml	40 ml
Polypropylene container with GREEN screwcap, pre-filled with pink acetic alcoholic formalin (F.A.A.), ready to use	Q06022V	60 ml	40 ml
Polypropylene container with BLUE screwcap, pre-filled with pink acetic alcoholic formalin (F.A.A.), ready to use	Q06022B	60 ml	40 ml
Polypropylene container with WHITE screwcap, pre-filled with pink acetic alcoholic formalin (F.A.A.), ready to use	Q06022Z	60 ml	40 ml
Polypropylene container with YELLOW screwcap, pre-filled with pink acetic alcoholic formalin (F.A.A.), ready to use	Q06022G	60 ml	40 ml
Polypropylene container with screwcap, pre-filled with pink acetic alcoholic formalin (F.A.A.), ready to use	Q06101	150 ml	90 ml
Polypropylene container with screwcap, pre-filled with pink acetic alcoholic formalin (F.A.A.), ready to use	Q06111	250 ml	150 ml
Polypropylene container with pressure cap, pre-filled with pink acetic alcoholic formalin (F.A.A.), ready to use	Q06061	500 ml	300 ml
	Q06071	1000 ml	600 ml
	Q06081	2500 ml	1500 ml
	Q06091	5000 ml	3000 ml



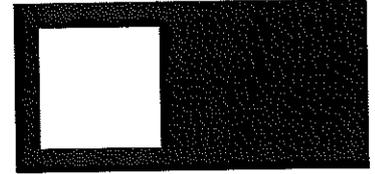
<i>Pre-filled container with pink buffered formalin, ready to use</i>			
DESCRIPTION	CODE	JAR VOLUME	FILLING VOLUME
Polypropylene container with screwcap, pre-filled with pink buffered formalin, ready to use	Q07021	60 ml	20 ml
Polypropylene container with GREEN screwcap, pre-filled with pink buffered formalin, ready to use	Q07021V	60 ml	20 ml
Polypropylene container with BLUE screwcap, pre-filled with pink buffered formalin, ready to use	Q07021B	60 ml	20 ml
Polypropylene container with WHITE screwcap, pre-filled with pink buffered formalin, ready to use	Q07021Z	60 ml	20 ml
Polypropylene container with YELLOW screwcap, pre-filled with pink buffered formalin, ready to use	Q07021G	60 ml	20 ml
Polypropylene container with screwcap, pre-filled with pink buffered formalin, ready to use	Q07022	60 ml	40 ml
Polypropylene container with GREEN screwcap, pre-filled with pink buffered formalin, ready to use	Q07022V	60 ml	40 ml
Polypropylene container with BLUE screwcap, pre-filled with pink buffered formalin, ready to use	Q07022B	60 ml	40 ml
Polypropylene container with WHITE screwcap, pre-filled with pink buffered formalin, ready to use	Q07022Z	60 ml	40 ml
Polypropylene container with YELLOW screwcap, pre-filled with pink buffered formalin, ready to use	Q07022G	60 ml	40 ml
Polypropylene container with screwcap, pre-filled with pink buffered formalin, ready to use	Q07101	150 ml	90 ml
Polypropylene container with screwcap, pre-filled with pink buffered formalin, ready to use	Q07111	250 ml	150 ml
Polypropylene container with pressure cap, pre-filled with pink buffered formalin, ready to use	Q07060	600 ml	300 ml
	Q07071	1000 ml	600 ml
	Q07081	2500 ml	1500 ml
	Q07091	5000 ml	3000 ml



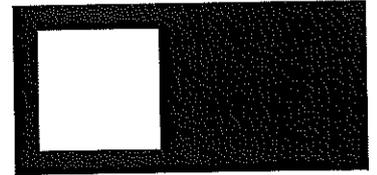
<i>Pre-filled container with formalin 5%, ready to use</i>			
DESCRIPTION	CODE	JAR VOLUME	FILLING VOLUME
Polypropylene container with screwcap, pre-filled with formalin 5%, ready to use	Q08011	30 ml	10 ml
	Q08021	60 ml	20 ml
Polypropylene container with GREEN screwcap, pre-filled with formalin 5%, ready to use	Q08021V	60 ml	20 ml
Polypropylene container with BLUE screwcap, pre-filled with formalin 5%, ready to use	Q08021B	60 ml	20 ml
Polypropylene container with WHITE screwcap, pre-filled with formalin 5%, ready to use	Q08021Z	60 ml	20 ml
Polypropylene container with YELLOW screwcap, pre-filled with formalin 5%, ready to use	Q08021G	60 ml	20 ml
Polypropylene container with screwcap, pre-filled with formalin 5%, ready to use	Q08022	60 ml	40 ml
Polypropylene container with GREEN screwcap, pre-filled with formalin 5%, ready to use	Q08022V	60 ml	40 ml
Polypropylene container with BLUE screwcap, pre-filled with formalin 5%, ready to use	Q08022B	60 ml	40 ml
Polypropylene container with WHITE screwcap, pre-filled with formalin 5%, ready to use	Q08022Z	60 ml	40 ml
Polypropylene container with YELLOW screwcap, pre-filled with formalin 5%, ready to use	Q08022G	60 ml	40 ml
Polypropylene container with screwcap, pre-filled with formalin 5%, ready to use	Q08101	150 ml	90 ml
Polypropylene container with screwcap, pre-filled with formalin 5%, ready to use	Q08111	250 ml	150 ml
Polypropylene container with pressure cap, pre-filled with formalin 5%, ready to use	Q08060	600 ml	300 ml
	Q08071	1000 ml	600 ml
	Q08081	2500 ml	1500 ml
	Q08091	5000 ml	3000 ml



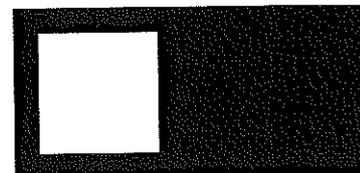
<i>Pre-filled container pink formalin 5%, ready to use</i>			
DESCRIPTION	CODE	JAR VOLUME	FILLING VOLUME
Polypropylene container with screwcap, pre-filled with pink formalin 5%, ready to use	Q09011	30 ml	10 ml
	Q09021	60 ml	20 ml
Polypropylene container with GREEN screwcap, pre-filled with pink formalin 5%, ready to use	Q09021V	60 ml	20 ml
Polypropylene container with BLUE screwcap, pre-filled with pink formalin 5%, ready to use	Q09021B	60 ml	20 ml
Polypropylene container with WHITE screwcap, pre-filled with pink formalin 5%, ready to use	Q09021Z	60 ml	20 ml
Polypropylene container with YELLOW screwcap, pre-filled with pink formalin 5%, ready to use	Q09021G	60 ml	20 ml
Polypropylene container with screwcap, pre-filled with pink formalin 5%, ready to use	Q09022	60 ml	40 ml
Polypropylene container with GREEN screwcap, pre-filled with pink formalin 5%, ready to use	Q09022V	60 ml	40 ml
Polypropylene container with BLUE screwcap, pre-filled with pink formalin 5%, ready to use	Q09022B	60 ml	40 ml
Polypropylene container with WHITE screwcap, pre-filled with pink formalin 5%, ready to use	Q09022Z	60 ml	40 ml
Polypropylene container with YELLOW screwcap, pre-filled with pink formalin 5%, ready to use	Q09022G	60 ml	40 ml
Polypropylene container with screwcap, pre-filled with pink formalin 5%, ready to use	Q09101	150 ml	90 ml
Polypropylene container with screwcap, pre-filled with pink formalin 5%, ready to use	Q09111	250 ml	150 ml
Polypropylene container with pressure cap pre-filled with pink formalin 5%, ready to use	Q09061	500 ml	300 ml
	Q09071	1000 ml	600 ml
	Q09081	2500 ml	1500 ml
	Q09091	5000 ml	3000 ml



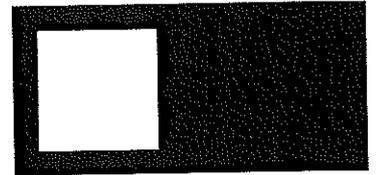
<i>Pre-filled container with Saccomanno fixative</i>			
<i>DESCRIPTION</i>	<i>CODE</i>	<i>JAR VOLUME</i>	<i>FILLING VOLUME</i>
Polypropylene container with screw cap, pre-filled with Saccomanno fixative	Q10021	60 ml	20 ml
Polypropylene container with GREEN screwcap, pre-filled with Saccomanno fixative	Q10021V	60 ml	20 ml
Polypropylene container with BLUE screwcap, pre-filled with Saccomanno fixative	Q10021B	60 ml	20 ml
Polypropylene container with WHITE screwcap, pre-filled with Saccomanno fixative	Q10021Z	60 ml	20 ml
Polypropylene container with YELLOW screwcap, pre-filled with Saccomanno fixative	Q10021G	60 ml	20 ml
Polypropylene container with screwcap, pre-filled with Saccomanno fixative	Q10022	60 ml	40 ml
Polypropylene container with GREEN screwcap, pre-filled with Saccomanno fixative	Q10022V	60 ml	40 ml
Polypropylene container with BLUE screwcap, pre-filled with Saccomanno fixative	Q10022B	60 ml	40 ml
Polypropylene container with WHITE screw cap, pre-filled with Saccomanno fixative	Q10022Z	60 ml	40 ml
Polypropylene container with YELLOW screwcap, pre-filled with Saccomanno fixative	Q10022G	60 ml	40 ml
Polypropylene container with screwcap, pre-filled with Saccomanno fixative	Q10101	150 ml	90 ml
Polypropylene container with screwcap, pre-filled with Saccomanno fixative	Q10111	250 ml	150 ml
Polypropylene container with pressure cap, pre-filled with Saccomanno fixative	Q10061	500 ml	300 ml
	Q10071	1000 ml	600 ml
	Q10081	2500 ml	1500 ml
	Q10091	5000 ml	3000 ml



<i>Pre-filled container with Alcolin</i>			
DESCRIPTION	CODE	JAR VOLUME	FILLING VOLUME
Polypropylene container with screwcap, pre-filled with Alcolin	Q11021	60 ml	20 ml
Polypropylene container with GREEN screwcap, pre-filled with Alcolin	Q11021V	60 ml	20 ml
Polypropylene container with BLUE screwcap, pre-filled with Alcolin	Q11021B	60 ml	20 ml
Polypropylene container with WHITE screwcap, pre-filled with Alcolin	Q11021Z	60 ml	20 ml
Polypropylene container with YELLOW screwcap, pre-filled with Alcolin	Q11021G	60 ml	20 ml
Polypropylene container with screwcap, pre-filled with Alcolin	Q11022	60 ml	40 ml
Polypropylene container with GREEN screwcap, pre-filled with Alcolin	Q11022V	60 ml	40 ml
Polypropylene container with BLUE screwcap, pre-filled with Alcolin	Q11022B	60 ml	40 ml
Polypropylene container with WHITE screwcap, pre-filled with Alcolin	Q11022Z	60 ml	40 ml
Polypropylene container with YELLOW screwcap, pre-filled with Alcolin	Q11022G	60 ml	40 ml
Polypropylene container with screwcap, pre-filled with Alcolin	Q11101	150 ml	90 ml
Polypropylene container with screwcap, pre-filled with Alcolin	Q11111	250 ml	150 ml
Polypropylene container with pressure cap, pre-filled with Alcolin	Q11061	500 ml	300 ml
	Q11071	1000 ml	600 ml
	Q11081	2500 ml	1500 ml
	Q11091	5000 ml	3000 ml

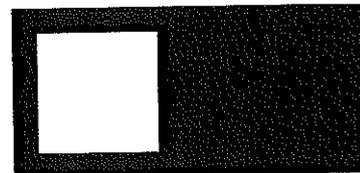


<i>Pre-filled container with formalin 10% acetate buffer, ready to use</i>			
DESCRIPTION	CODE	JAR VOLUME	FILLING VOLUME
Polypropylene container with screwcap, pre-filled with formalin 10% acetate buffer, ready to use	Q17011	30 ml	10 ml
	Q17021	60 ml	20 ml
Polypropylene container with GREEN screwcap, pre-filled with formalin 10% acetate buffer, ready to use	Q17021V	60 ml	20 ml
Polypropylene container with BLUE screwcap, pre-filled with formalin 10% acetate buffer, ready to use	Q17021B	60 ml	20 ml
Polypropylene container with WHITE screwcap, pre-filled with formalin 10% acetate buffer, ready to use	Q17021Z	60 ml	20 ml
Polypropylene container with YELLOW screwcap, pre-filled with formalin 10% acetate buffer, ready to use	Q17021G	60 ml	20 ml
Polypropylene container with screwcap, pre-filled with formalin 10% acetate buffer, ready to use	Q17022	60 ml	40 ml
Polypropylene container with GREEN screwcap, pre-filled with formalin 10% acetate buffer, ready to use	Q17022V	60 ml	40 ml
Polypropylene container with BLUE screwcap, pre-filled with formalin 10% acetate buffer, ready to use	Q17022B	60 ml	40 ml
Polypropylene container with WHITE screwcap, pre-filled with formalin 10% acetate buffer, ready to use	Q17022Z	60 ml	40 ml
Polypropylene container with YELLOW screwcap, pre-filled with formalin 10% acetate buffer, ready to use	Q17022G	60 ml	40 ml
Polypropylene container with screwcap, pre-filled with formalin 10% acetate buffer, ready to use	Q17101	150 ml	90 ml
Polypropylene container with screwcap, pre-filled with formalin 10% acetate buffer, ready to use	Q17111	250 ml	150 ml
Polypropylene container with pressure cap, pre-filled with formalin 10% acetate buffer, ready to use	Q17061	500 ml	300 ml
	Q17071	1000 ml	600 ml
	Q17081	2500 ml	1500 ml
	Q17091	5000 ml	3000 ml



<i>Pre-filled container with Microzinc</i>			
DESCRIPTION	CODE	JAR VOLUME	FILLING VOLUME
Polypropylene container with screwcap, pre-filled with Microzinc	Q13011	30 ml	10 ml
Polypropylene container with screwcap, pre-filled with Microzinc	Q13021	60 ml	20 ml
Polypropylene container with screwcap, pre-filled with Microzinc	Q13022	60 ml	40 ml
Polypropylene container with screwcap, pre-filled with Microzinc	Q13101	150 ml	90 ml
Polypropylene container with screwcap, pre-filled with Microzinc	Q13111	250 ml	150 ml
Polypropylene container with pressure cap, pre-filled with Microzinc	Q13061	500 ml	300 ml
	Q13071	1000 ml	600 ml
	Q13081	2500 ml	1500 ml
	Q13091	5000 ml	3000 ml

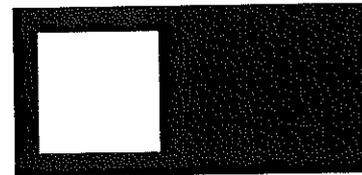
<i>Pre-filled container with acetic formalin</i>			
DESCRIPTION	CODE	JAR VOLUME	FILLING VOLUME
Polypropylene container with screwcap, pre-filled with acetic formalin	Q14011	30 ml	10 ml
	Q14021	60 ml	20 ml
Polypropylene container with GREEN screwcap, pre-filled with acetic formalin	Q14021V	60 ml	20 ml
Polypropylene container with BLUE screwcap, pre-filled with acetic formalin	Q14021B	60 ml	20 ml
Polypropylene container with WHITE screwcap, pre-filled with acetic formalin	Q14021Z	60 ml	20 ml
Polypropylene container with YELLOW screwcap, pre-filled with acetic formalin	Q14021G	60 ml	20 ml
Polypropylene container with screwcap, pre-filled with acetic formalin	Q14022	60 ml	40 ml
Polypropylene container with GREEN screwcap, pre-filled with acetic formalin	Q14022V	60 ml	40 ml
Polypropylene container with BLUE screwcap, pre-filled with acetic formalin	Q14022B	60 ml	40 ml
Polypropylene container with WHITE screwcap, pre-filled with acetic formalin	Q14022Z	60 ml	40 ml
Polypropylene container with YELLOW screwcap, pre-filled with acetic formalin	Q14022G	60 ml	40 ml
Polypropylene container with screwcap, pre-filled with acetic formalin	Q14101	150 ml	90 ml
Polypropylene container with screwcap, pre-filled with acetic formalin	Q14111	250 ml	150 ml
Polypropylene container with pressure cap, pre-filled with acetic formalin	Q14061	500 ml	300 ml
	Q14071	1000 ml	600 ml
	Q14081	2500 ml	1500 ml
	Q14081	5000 ml	3000 ml



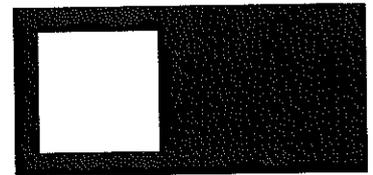
<i>Pre-filled container with trichloroacetic acid</i>			
<i>DESCRIPTION</i>	<i>CODE</i>	<i>JAR VOLUME</i>	<i>FILLING VOLUME</i>
Polypropylene container with screwcap, pre-filled with trichloroacetic acid	Q15023	60 ml	10 ml
Polypropylene container with GREEN screwcap, pre-filled with trichloroacetic acid	Q15023V	60 ml	10 ml
Polypropylene container with BLUE screwcap, pre-filled with trichloroacetic acid	Q15023B	60 ml	10 ml
Polypropylene container with WHITE screwcap, pre-filled with trichloroacetic acid	Q15023Z	60 ml	10 ml
Polypropylene container with YELLOW screwcap, pre-filled with trichloroacetic acid	Q15023G	60 ml	10 ml
Polypropylene container with screwcap, pre-filled with trichloroacetic acid	Q15103	150 ml	17 ml
Polypropylene container with screwcap, pre-filled with trichloroacetic acid	Q15104	150 ml	10 ml

<i>Pre-filled container with GreenFix</i>			
<i>DESCRIPTION</i>	<i>CODE</i>	<i>JAR VOLUME</i>	<i>FILLING VOLUME</i>
Polypropylene container with screwcap, pre-filled with GreenFix	Q28012	30 ml	20 ml
	Q28023	60 ml	30 ml
	Q28101	150 ml	90 ml
	Q28111	250 ml	150 ml
Polypropylene container with pressure cap, pre-filled with GreenFix Plus	Q29061	500 ml	300 ml
	Q29071	1000 ml	600 ml
	Q29081	3000 ml	1500 ml
	Q29091	5000 ml	3000 ml

<i>Pre-filled container with Cytolítico</i>			
<i>DESCRIPTION</i>	<i>CODE</i>	<i>JAR VOLUME</i>	<i>FILLING VOLUME</i>
Falcon tube, back cone-shaped with screwcap, non-serigraphied container with Cytolítico	Q33000	50 ml	30 ml
Polypropylene container with screwcap, pre-filled with Cytolítico	Q33023	60 ml	30 ml
	Q33025	60 ml	21 ml
Pre-filled container with formalin 5% acetate buffer		Q45-XXX	

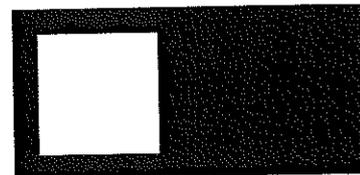


<i>DESCRIPTION</i>	<i>CODE</i>
DUACYTE – URINARY CYTOLOGY KIT	
Diacyte - Urinary Cytology Kit Box with: - 3 Falcons, 150 ml capacity, pre-filled to 40 ml	Q26000
Diacyte - Urinary Cytology Kit Box with: - 3 Falcons tubes, 150 ml capacity, pre-filled to 20 ml - 1 empty jar, 150 ml capacity	Q26010
Diacyte - Urinary Cytology Kit Box with: - 3 Falcons tubes, 50 ml capacity, pre-filled to 20 ml	Q26030
Saccomanno – Urinary Cytology Kit	Q10000
Saccomanno - Urinary Cytology Kit (falcon)	Q10010
Cytological fixative - Urinary Cytology Kit	Q16010
REAGENTS FOR TISSUE MICROTOME CUTTING	
Diaflex	G015-X
Diasoft	G039-x
REAGENTS FOR HISTOLOGY AND CYTOLOGY	
Acetone	R001-X
Acetic glacial acid	R002-X
Hydrochloric acid 37%	R003-X
Chloroform	R004-X
Chloroform for HPLC	R006-X
Phosphomolibdic acid acc. Masson	G001-X
Picric acid 1,2% saturated aqueous solution	G002-X
Picric acid saturated alcoholic solution	G003-X
Sulfuric acid 0,5% acc. Mallory	G004-X
Acidified alcohol acc. Ziehl - Neelsen	G005-X
Acidified alcohol 70° acc. Mayer	G006-X
Alcohol aniline acc. Heidenhain	G007-X
Iodine solution acc. Gram	G008-X
Lithium carbonate, saturated aqueous solution	G009-X
Lugol solution	G010-X
Metabisulfite potassium acc. Hotchkiss - Mc Manus	G011-X
Potassium permanganate solution 0,5% acc. Mallory	G012-X
Sodium thiosulfate 5%	G013-X
Periodic acid 1%	G016-X
Cytolitico	G024-X
Oxalic acid acc. Mallory	G027-X
Xylene - Aniline acc. Gram	X004-X

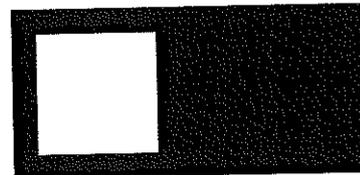


ETHYL ALCOHOL	
Denatured, pink ethyl alcohol 90	A001-X
Denatured, pink ethyl alcohol 94	A002-X
Denatured, pink ethyl alcohol 99.9	A003-X
Ethyl alcohol 96	A011-X
Absolute ethyl alcohol 99.7-99.9°	A012-X

DESCRIPTION	CODE
XYLENE AND SUBSTITUTES	
Diasolv	X001-X
Microclearing	X002-X
Toluene	X003-X
Xylene	X005-X
NON-TOXIC SUBSTITUTE OF ALCOHOLIC DEGREE AND XYLOL	
Ottix Plus	X007-X
Ottix Shaper	X009-X
ALCOHOLIC MIXTURES	
Histoalcol 95	A015-X
Histoalcol 99	A014-X
Histoalcol 50	A021-X
Histoalcol 70	A019-X
Diawhite 95	A017-X
Diawhite 99	A016-X
Diawhite 50	A020-X
Diawhite 70	A018-X
Diawave	MW4010-X
Isowave	MW4020-X
BUFFERS FOR IMMUNOHISTOCHEMISTRY	
MS-unmasker, concentrated 10X Solution for antigen retrieval	T0010
PBS, concentrated 10X	T0020
PBS TWEEN 20, concentrated 10X	T0030
PBS with TRITON X - 100, concentrated 10X	T0160
Citrate buffer HT pH 7.3, concentrated 10X	T0130
Citrate buffer pH 6.0 ready to use	T0043
Citrate buffer pH 6.0, concentrated 10X	T0050
Citrate buffer pH 7.3 ready to use	T0153



DESCRIPTION	CODE
Citrate buffer pH 7.3, concentrated 10X	T0060
TBS concentrated 10X	T0070
TBS TWEEN 20, concentrated 10X	T0080
EDTA buffer pH 8, concentrated 10X	T0090
EDTA buffer pH 9, concentrated 10X	T0100
Acetic buffer pH 5.6, concentrated 10X	T0110
Acetic buffer pH 6.3, concentrated 10X	T0120
TBS with TRITON X- 100, concentrated 10X	T0140
POWDERS	
Citric acid monohydrate	M0001-X
Phosphomolibdic cid	M0002-X
Phosphotungstic acid	M0003-X
Oxalic acid	M0004-X
Periodic acid	M0005-X
Carminic acid	M0006-X
Alcian Blue	M0008-X
Alcian Yellow	M0009-X
Ammonium aluminium sulfate dodecahydrate	M0011-X
Silver nitrate	M0012-X
Astra Blue	M0093-X
Azur A	M0013-X
Azur B	M0014-X
Aniline Blue	M0015-X
Metilene blue	M0016-X
Toluidine Blue	M0017-X
Lithium Carbonate	M0018-X
Potassium carbonate	M0062-X
Crystal violet	M0019-X
EDTA	M0020-X
Crystal hematoxylin	M0021-X
Eosin Bluish	M0022-X
Eosin Y (Eosin G – Eosin Yellowish)	M0023-X
Erythrosine Yellow	M0059-X
Hexamethylenetetramine	M0063-X
Ferric ammonium sulfate	M0064-X
Floxin B	M0024-X
Fuchsin, acid	M0025-X
Fuchsin, basic	M0027-X



DESCRIPTION	CODE
Fuchsin basic for Shiff	M0026-X
Metanil Yellow	M0060-X
Hydrochinone	M0065-X
Kernechtrot	M0028-X
Luxol Fast Blue	M0029-X
May Grunwald	M0030-X
Orange G	M0031-X
Orcein	M0032-X
Paraformaldehyde	M0033-X
Potassium permanganate	M0034-X
Ponceou De Xylidin	M0035-X
Potassium aluminium sulfate	M0036-X
Potassium dichromate	M0037-X
Potassium ferrocyanide	M0038-X
Potassium hydroxid drops	M0039-X
Potassium metabisulfite	M0040-X
Resorcine	M0041-X
Congo Red	M0042-X
Neutral Red	M0043-X
Sirius Red	M0044-X
Safranine	M0045-X
Sodium Chloride	M0066-X
Sodium phosphate dibasic anhydrous	M0046-X
Sodium Phosphate monobasic	M0047-X
Sodium Hydroxide drops	M0048-X
Sodium Metabisulfite	M0049-X
Sodium Tetraborate	M0050-X
Sodium thiosulfate	M0051-X
Sudan III	M0052-X
Sudan Black	M0053-X
Thionine	M0054-X
Trizma Base	M0055-X
Methyl green	M0056-X
Light green	M0057-X
Gentian violet	M0058-X

Firma /Signature Diapath S.p.A.
Il Presidente/ The President
Bergamini Vladimiro



184 prot

DNV BUSINESS ASSURANCE

MANAGEMENT SYSTEM CERTIFICATE

Certificato No. / Certificate No. 78106-2010-AQ-ITA-SINCERT

Si attesta che / This is to certify that

DIAPATH S.p.A.

Via Savoldini, 71 - 24057 Martinengo (BG) - Italy

è conforme ai requisiti della norma per i sistemi di gestione:
has been found to conform to the management system standard:

UNI EN ISO 9001:2008 (ISO 9001:2008)

Questa Certificazione è valida per il seguente campo applicativo:
This Certificate is valid for the following product or service ranges:

Progettazione, produzione, installazione, assistenza, vendita e commercializzazione di dispositivi medico-diagnostici in vitro, inclusi strumenti, reagenti e consumabili. Commercializzazione di dispositivi medici per la raccolta di secreto mammario (NAF) per la valutazione citologica (Settore EA : 29a - 19 - 12 - 18)

Design, manufacturing, installation, service, trade of vitro diagnostic medical devices including instruments, reagent and consumables. Trade of medical devices for collection of Nipple Aspirate Fluid (NAF) for cytological evaluation (Sector EA : 29a - 19 - 12 - 18)

Data Prima Emissione/Initial Certification Date:

2010-05-11

Il Certificato è valido fino al:

This Certificate is valid until:

2016-05-11

L'audit è stato eseguito sotto la supervisione di/
The audit has been performed under the supervision of

Sergio Vannucci
Lead Auditor

La validità del presente Certificato è subordinata al rispetto delle condizioni contenute nel Contratto di Certificazione.
Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

Luogo e Data/Place and Date:

Agrate Brianza (MB), 2013-05-08

Per l'Organismo di Certificazione:

For the Accredited Unit:

Zeno Beltrami
Management Representative



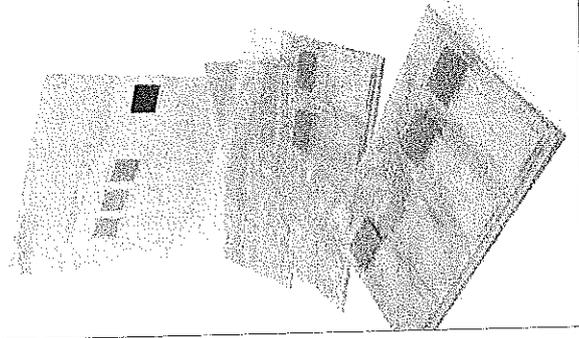
SGQ N°003 A PRD N°003 B
SGA N°003 D SSI N°002 G
SCR N°004 F FSM N°001 I

Membro di MLA EA per gli schemi di accreditamento SGQ, SGA, PRD, PRS, ISP e LAB, di MLA IAP per gli schemi di accreditamento SGQ, SGA, SSI, FSM e PRD e di HRA ILAC per gli schemi di accreditamento LAB

STAINING AND COVERSLIPPING



SLIDE CONTAINERS AND MAILERS



FILOSLIDE 4/6



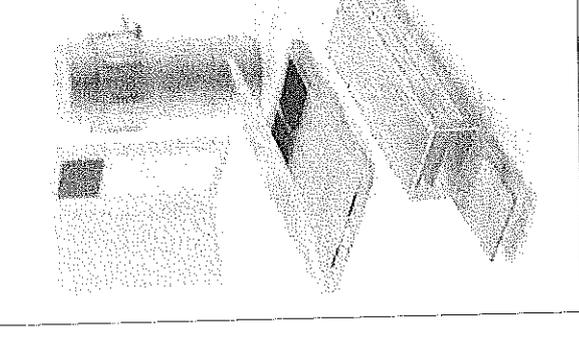
Transparent plastic slide pocket for 4 or 6 standard slides.

- ▣ Slide protection from dust and other external agents
- ▣ Quick identification
- ▣ With pocket for documents
- ▣ Easy to use

Available in two models:

- FiloSlide 4 has 4 pockets for slides and one for documents
 - FiloSlide 6 has 6 pockets for slides, one for documents and an index
- Each pack of 10 FiloSlide 6 is supplied with 50 coded index cards (10 red, 10 blue, 10 green, 10 yellow and 10 white).

PRODUCT	code	packaging
FiloSlide 4, 4 slides (103x153 mm - WxD)	062025	100 pcs
FiloSlide 6, 6 slides, equipped with coded index cards (220x150 mm - WxD)	062026	10 pcs



SLIDE MAILER

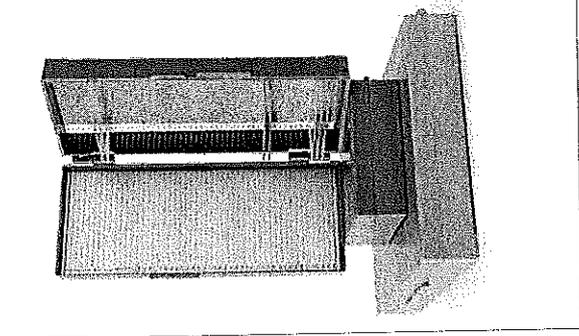
Slide mailer:

- ▣ Designed for mailing small quantity of slides
- ▣ Shockproof
- ▣ Made of polypropylene

PRODUCT	code	packaging
Slide mailer for 1 slide (50x100 mm - WxDxH)	062001	10 pcs
Slide mailer for 2 slides (71x85 mm - WxDxH)	062002	10 pcs
Slide mailer with screw cap for 5 slides (10,40 mm)	062004	10 pcs
Slide mailer for 5 slides (30x82x18 mm - WxDxH)	062007	50 pcs



SLIDE CONTAINERS AND MAILERS



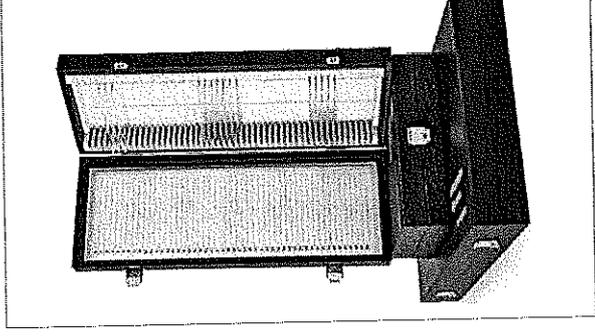
PLASTIC SLIDE BOX

Plastic box for microscope slides.

- ▣ Shockproof, made of plastic (ABS)
- ▣ Inner coating made of cork with grooves for slide housing
- ▣ Safe because equipped with snap closure
- ▣ Index card included for easy specimen identification
- ▣ Minimum space and stackable
- ▣ Available in different sizes

PRODUCT	code	packaging
Plastic slide box, 25 slides (80x95x32 mm - WxDxH)	062010	01 pc
Plastic slide box 50 slides (177x80x32 mm - WxDxH)	062015	01 pc
Plastic slide box, 100 slides (200x160x32 mm - WxDxH)	062020	01 pc

99.2174
06.2175



WOODEN SLIDE BOX

Wooden box for microscope slides.

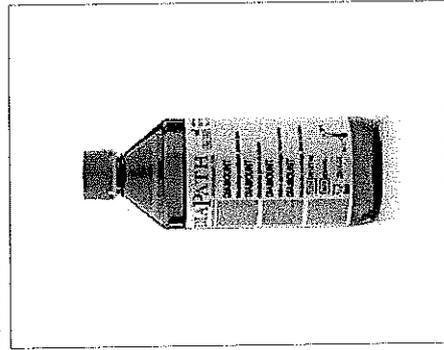
- ▣ High quality wood
- ▣ Index card included for easy specimen identification
- ▣ Available in different sizes

PRODUCT	code	packaging
Wooden slide box, 25 slides (195x100x40 mm - WxDxH)	062030	01 pc
Wooden slide box, 50 slides (275x100x40 mm - WxDxH)	062031	01 pc
Wooden slide box, 100 slides (275x185x40 mm - WxDxH)	062032	01 pc

STAINING AND COVERSLIPPING



MOUNTING MEDIA

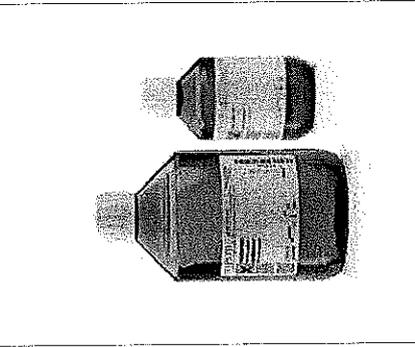


DIAMOUNT

Mounting medium for slides, xylol free.

- ☑ Xylol free, toluene free and other aromatic hydrocarbons free
- ☑ Non-toxic
- ☑ Does not oxidize, fade or yellow over the time
- ☑ Neutral, clear and colourless
- ☑ Compatible with main solvents for histology and cytology (except those limonene based)

PRODUCT Diamount code 030400 packaging 500 ml

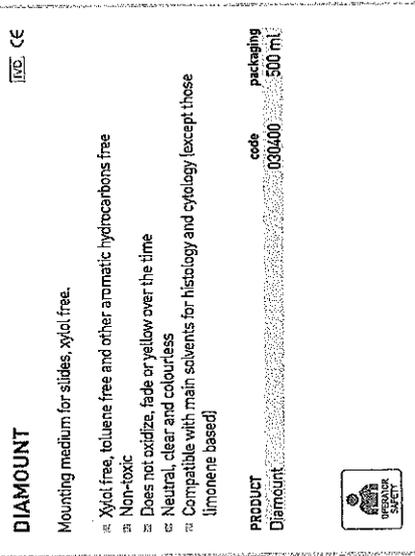


MICROMOUNT

Quick drying mounting media for slides, xylol-based, for histology and cytology.

- ☑ Suitable both for manual and automated mounting
- ☑ Does not distort or discolour with dye
- ☑ Long-term storage quality
- ☑ Compatible with main solvents for histology and cytology

PRODUCT Micromount code 060200 packaging 200 ml
code 060500 packaging 500 ml

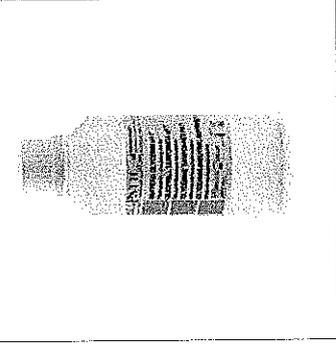


ALCOMOUNT

Mounting medium for slides, to use after dehydration, avoiding xylol step.

- ☑ Quick drying
- ☑ Eliminates clarifying reagent step
- ☑ Compatible with the most common histological and cytological solvents
- ☑ Xylol based

PRODUCT Alcomount code 060510 packaging 500 ml

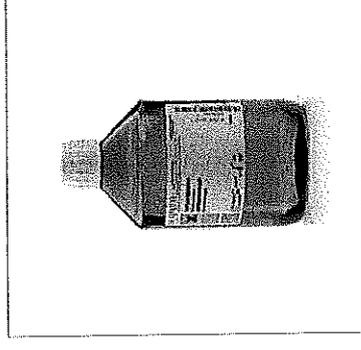


BUFFERED GLYCERIN

Water-soluble mounting medium for slides.

- ☑ Suitable for mounting of fluorescence or lyophilic chromogenous preparations
- ☑ Designed for those preparations non-compatible with solvent based mounting media on solvents or resins

PRODUCT Buffered glycerin pH 7 code E0031 packaging 125 ml



AUTOMATICMOUNT

Mounting medium, xylol-based, ideal for automated coverslipper.

- ☑ Low viscosity formulation
- ☑ Compatible with absolute ethyl alcohol, xylol, isoparaffins, Ohtix Plus and limonene based solvents
- ☑ Neutral, ready-to-use
- ☑ Does not distort or discolour with dye
- ☑ Long-term storage quality

PRODUCT Automaticmount code 06AM01 packaging 500 ml



IMMERSION OIL FOR MICROSCOPY

Oil for slides for microscope reading.

- ☑ Immersion oil for optical microscope analysis
- ☑ Low viscosity formulation
- ☑ Slow drying for an easy removal that will not damage optics or slide specimens

PRODUCT Immersion oil for microscopy code 070144 packaging 100 ml

STAINING AND COVERSLIPPING

TISSUE PROCESSING

CONSUMABLES FOR TISSUE PROCESSING

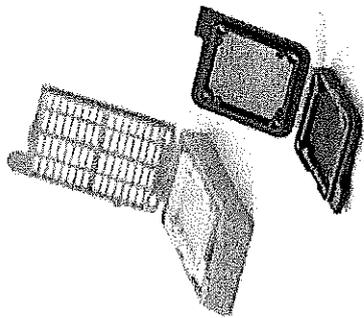
CELLSAFE BIOPSY CAPSULES

Capsules with rectangular mesh to handle small specimens during processing and embedding, to insert into standard cassettes.

- ▣ Ideal for biopsies
- ▣ High safety standards thanks to 200 µm mesh
- ▣ Compatible with all standard processing cassettes
- ▣ Composed by two plastic frames connected by an integral nylon mesh
- ▣ Before embedding, the tissue can be removed with greater ease and safety than conventional biopsy filters

External dimensions: 25x27x2.5 mm (WxDxH)

PRODUCT	code	packaging
CellSafe biopsy capsules, white	070149	100 pcs
CellSafe biopsy capsules, white	070148	1000 pcs
CellSafe biopsy capsules, blue	070155	100 pcs
CellSafe biopsy capsules, blue	070156	1000 pcs



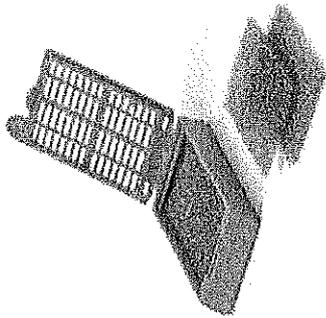
BIOPSY FILTERS

Foam pads for processing of biopsies and small specimens.

- ▣ Reagent exchange avoiding small tissue fragment loss
- ▣ Permeability and resistance to histological reagents, such as alcohol, solvents and paraffin
- ▣ Higher contrast with specimen thanks to light blue colour
- ▣ Compatible with all standard processing cassettes

Dimensions: 30x25x1 mm (WxDxH)

PRODUCT	code	packaging
Biopsy filters	070159	1000 pcs



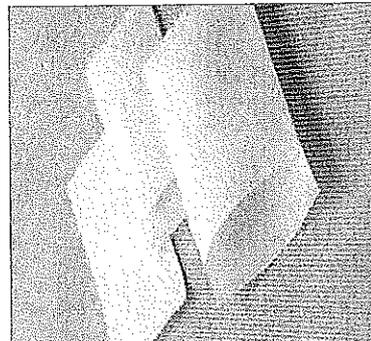
FILTERS BAG

Filters bag for processing of biopsies and small specimens.

- ▣ Maximum specimen protection during processing
- ▣ Resistance to any reagents
- ▣ Time saving

Available in different sizes. Filters bag prevents any contamination risk and the loss of small tissue fragments. Easy opening allowing quick extraction of the specimen at the end of the processing. Two models available: polyester and paper.

PRODUCT	code	packaging
Filters bag, polyester, 30x45 mm (WxD)	070160	1000 pcs
Filters bag, polyester, 45x60 mm (WxD)	070161	1000 pcs
Filters bag, paper, 30x50 mm (WxD)	070165	1000 pcs



CONSUMABLES FOR TISSUE PROCESSING

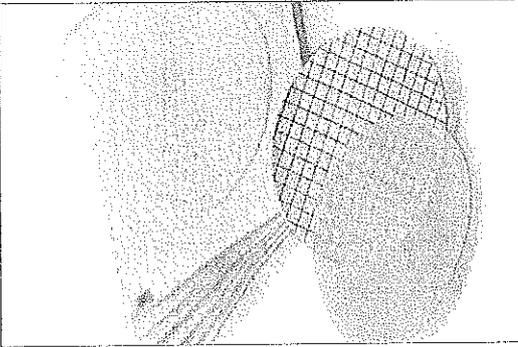
ENDOSCOPIC FILTERS

Membranes for orientation of gastrointestinal tract biopsies.

- ▣ Definition of the exact topographical localization
- ▣ Embedding time reduction
- ▣ Made of cellulose nitrate, sterile and chemically inert to the reagents used for specimen processing

Dimensions: diameter 50 mm, squares 3.1x3.1 mm

PRODUCT	code	packaging
Endoscopic Filters	070150	25 pcs



PARAFFIN

DIAWAX

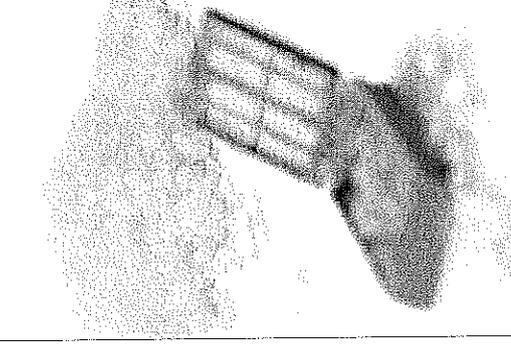
Paraffin for histology.

- ▣ High purity
- ▣ DMSO free
- ▣ Non-toxic
- ▣ Microtome cutting of very thin sections
- ▣ Available with two different melting points: 52-54°C and 56-58°C

Composed by solid hydrocarbons mixture and manufactured using a purification process to remove contaminants, Diawax is in white drops, translucent, odorless, stable and easy to handle.

PRODUCT	code	packaging
Diawax 52-54°C	030990	6x2 kg
Diawax 56-58°C	030980	6x2 kg

184



For the product Diawax, blue paraffin, see Embedding section
> see page 57

EMBEDDING

CONSUMABLES FOR EMBEDDING

RING - WHITE EMBEDDING RING MOLDS

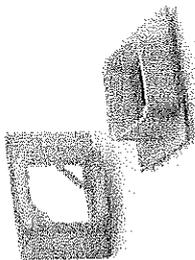
White embedding ring molds.

- Paraffin blocks with same dimensions, resistant to every compression
- Made of ABS

PRODUCT
Ring - White embedding ring molds

code 070410
packaging 10,00 pcs

IVD CE



TISSUE MOLDS

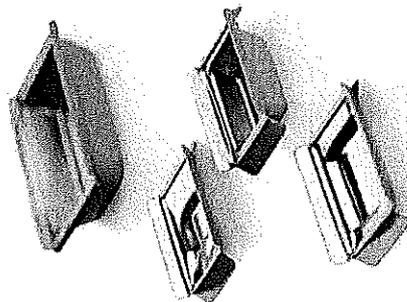
Stainless steel embedding molds.

- Quick paraffin cooling thanks to high thermal conductivity of steel
- No warpage guaranteed by the rigid steel structure
- Reusable
- Stable and easy to handle
- Wide range of available sizes

The dimensions indicated in the table refer to the base that will contain the histological specimen.

PRODUCT	code	packaging
Tissue Molds 7x7x6 mm	070805	10 pcs
Tissue Molds 15x15x6 mm	070806	10 pcs
Tissue Molds 24x24x6 mm	070807	10 pcs
Tissue Molds 30x24x6 mm	070808	10 pcs
Tissue Molds 37x24x6 mm	070809	10 pcs
Tissue Molds 33x24x12 mm for Mega cassettes	070810	10 pcs
Tissue Molds 70x30x15 mm for Super Mega cassettes	070811	10 pcs

IVD CE



TISSUE DISPMOLDS

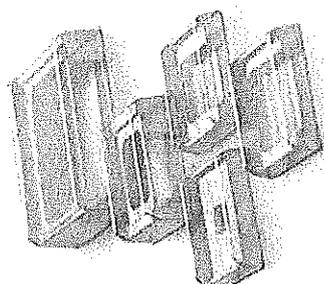
Disposable molds, made of plastic.

- No cleaning process as they are thrown away after use

The dimensions indicated in the table refer to the base that will contain the histological specimen.

PRODUCT	code	packaging
Tissue Dispmolds 7x7x6 mm	070820	500 pcs
Tissue Dispmolds 15x15x6 mm	070821	500 pcs
Tissue Dispmolds 24x24x6 mm	070822	500 pcs
Tissue Dispmolds 30x24x6 mm	070823	500 pcs
Tissue Dispmolds 37x24x6 mm	070824	500 pcs
Tissue Dispmolds 29x20x12 mm per Mega cassette	070825	100 pcs
Tissue Dispmolds 65x45x15 mm per Super Mega cassette	070826	100 pcs

IVD CE



CONSUMABLES FOR EMBEDDING

BLUWAX - SPECIFIC FOR EMBEDDING

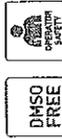
Blue paraffin for histological samples embedding.

- The colour blue allows a quick and perfect identification of specimens with small dimensions
- High purity
- DMSO free
- Non-toxic
- Composed by a mixture of solid hydrocarbons and manufactured using a purification process to remove contaminants. Bluwax is in blue drops for an easy dispensing and melting

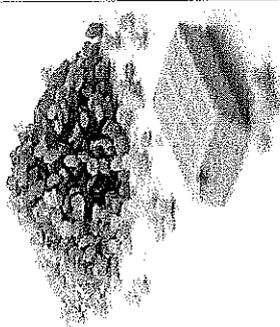
PRODUCT
Bluwax 56-58°C

code 030981

packaging 6x2 Kg



IVD CE



WAX CLEANER

Ecological liquid spray to remove paraffin on embedding centers, microtomes, working planes.

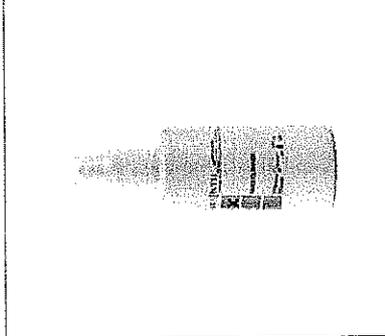
- Non-toxic
- It reduces daily cleaning time and preserves instruments in good conditions

PRODUCT
Wax Cleaner

code 070142

packaging 200 ml

199



For the product Diawax, standard paraffin, see Processing section

> see page 47

For all kind of cassettes, foam pads and filters, see Processing section

> see pages from 41 to 46

TISSUE PROCESSING

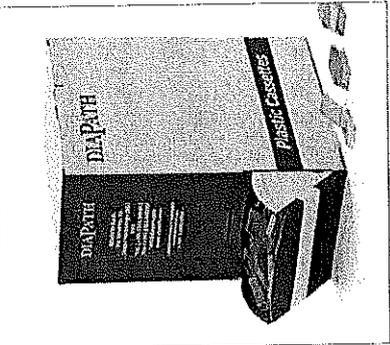
CONSUMABLES FOR TISSUE PROCESSING

TISSUE CASSETTES

For processing and embedding of medium-large specimens.
External dimensions: 40x26x7 mm [WxDxH]

Tissue Cassettes are supplied in practical dispensers with front opening to facilitate extraction.

PRODUCT	code	packaging
Tissue cassettes, white	070190	500 pcs
Tissue cassettes, orange	070191	500 pcs
Tissue cassettes, light blue	070192	500 pcs
Tissue cassettes, yellow	070193	500 pcs
Tissue cassettes, pink	070194	500 pcs
Tissue cassettes, green	070195	500 pcs
Tissue cassettes, grey	070196	500 pcs

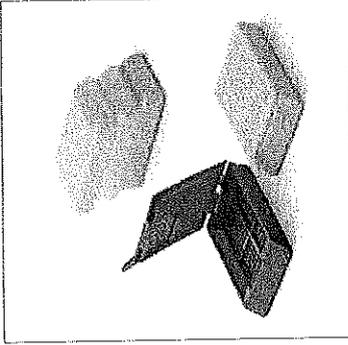


TISSUE BIOPSY CASSETTES

For processing and embedding of small specimens (biopsies).

External dimensions: 40x26x7 mm [WxDxH]

PRODUCT	code	packaging
Tissue biopsy cassettes, grey	070343	1000 pcs
Tissue biopsy cassettes, red	070344	1000 pcs
Tissue biopsy cassettes, white	070345	1000 pcs
Tissue biopsy cassettes, light blue	070346	1000 pcs
Tissue biopsy cassettes, yellow	070347	1000 pcs
Tissue biopsy cassettes, pink	070348	1000 pcs
Tissue biopsy cassettes, green	070349	1000 pcs



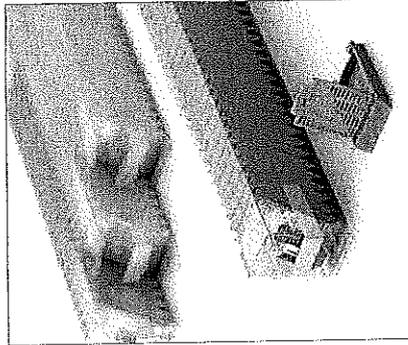
TISSUE STACKED SLEEVED CASSETTES

Compatible with ThermoFisher printers

For processing and embedding of medium-large histological specimens, with one-piece integral cover.

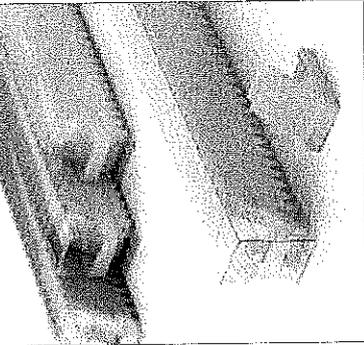
Biopsy cassettes attached in sleeves of 75, each case contains 10 sleeves.
External dimensions: 40x26x7 mm [WxDxH]

PRODUCT	code	packaging
Tissue stacked sleeved cassettes, white	070551	750 pcs
Tissue stacked sleeved cassettes, pink	070552	750 pcs
Tissue stacked sleeved cassettes, yellow	070554	750 pcs
Tissue stacked sleeved cassettes, blue	070555	750 pcs



Other colors available. Minimum purchase order applied.

CONSUMABLES FOR TISSUE PROCESSING



BIOPSY STACKED SLEEVED CASSETTES

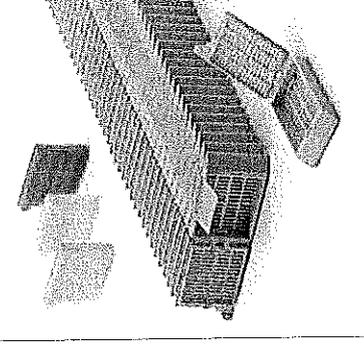
Compatible with ThermoFisher printers

For processing and embedding of small histological specimens (biopsies), with one-piece integral cover.

Biopsy cassettes stacked in sleeves of 75, each case contains 10 sleeves.
External dimensions: 40x26x7 mm [WxDxH]

PRODUCT	code	packaging
Biopsy stacked sleeved cassettes, white	070561	750 pcs
Biopsy stacked sleeved cassettes, pink	070562	750 pcs
Biopsy stacked sleeved cassettes, yellow	070564	750 pcs
Biopsy stacked sleeved cassettes, blue	070565	750 pcs

Other colors available. Minimum purchase order applied.



TISSUE STACKED CASSETTES

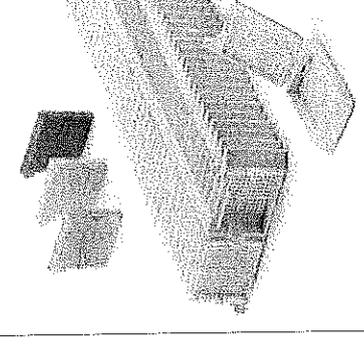
Compatible with Leica and Sakura printers

For processing and embedding of medium-large histological specimens, with one-piece integral cover.

Tissue cassettes taped in stacks of 40, each case contains 25 sleeves.
External dimensions: 40x26x7 mm [WxDxH]

PRODUCT	code	packaging
Tissue stacked cassettes, white	070531	1000 pcs
Tissue stacked cassettes, pink	070532	1000 pcs
Tissue stacked cassettes, yellow	070534	1000 pcs
Tissue stacked cassettes, blue	070535	1000 pcs

Other colors available. Minimum purchase order applied.



BIOPSY STACKED CASSETTES

Compatible with Leica and Sakura printers

For processing and embedding of small histological specimens (biopsies), with one-piece integral cover.

Biopsy cassettes taped in stacks of 40, each case contains 25 sleeves.
External dimensions: 40x26x7 mm [WxDxH]

PRODUCT	code	packaging
Biopsy stacked cassettes, white	070541	1000 pcs
Biopsy stacked cassettes, pink	070542	1000 pcs
Biopsy stacked cassettes, yellow	070544	1000 pcs
Biopsy stacked cassettes, blue	070545	1000 pcs

Other colors available. Minimum purchase order applied.

TISSUE PROCESSING

CONSUMABLES FOR TISSUE PROCESSING

EMBEDDING CASSETTES AND REUSABLE STAINLESS STEEL COVER

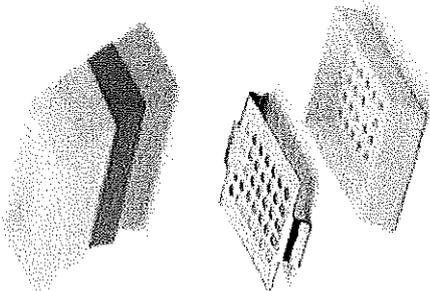
Cassettes for processing and embedding of histological specimens; to use with their reusable metal cover.

- Locking guaranteed by the dedicated stainless steel cover with snap closure, easily removable

External dimensions: 41x28x6 mm (WxDxH)
 - Embedding cassettes: 41x28x6 mm (WxDxH)
 - Cover: 36x27 mm (WxD)

20%

PRODUCT	code	packaging
Embedding cassettes, white, without cover	070200	4000 pcs
Embedding cassettes, blue, without cover	070205	4000 pcs
Embedding cassettes, yellow, without cover	070210	4000 pcs
Embedding cassettes, green, without cover	070215	4000 pcs
Embedding cassettes, pink, without cover	070225	4000 pcs
Stainless steel cover	070240	50 pcs



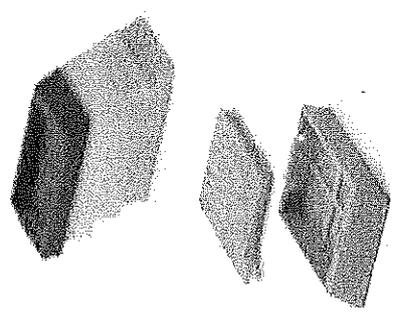
CASSETTES WITH SEPARATE COVER

For processing and embedding of histological, medium-large specimens.

- Without cover, ideal for automatic printers
- Separate cover with snap closure

External dimensions: 41x28x6 mm (WxDxH)

PRODUCT	code	packaging
Cassettes, white, separate cover	070450	1000 pcs
Cassettes, blue, separate cover	070451	1000 pcs
Cassettes, yellow, separate cover	070452	1000 pcs
Cassettes, pink, separate cover	070453	1000 pcs
Cassettes, green, separate cover	070454	1000 pcs
Cassettes, orange, separate cover	070455	1000 pcs



CONSUMABLES FOR TISSUE PROCESSING

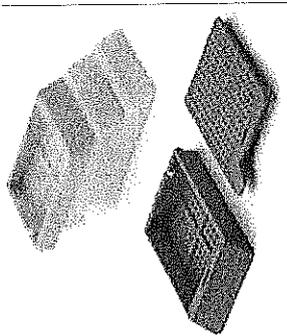
BIOPSY CASSETTES WITH SEPARATE COVER

For processing and embedding of histological small specimens (biopsies).

- Without cover, ideal for automatic printers
- Separate cover with snap closure

External dimensions: 41x28x6 mm (WxDxH)

PRODUCT	code	packaging
Biopsy cassettes, white, separate cover	070470	1000 pcs
Biopsy cassettes, blue, separate cover	070471	1000 pcs
Biopsy cassettes, yellow, separate cover	070472	1000 pcs
Biopsy cassettes, pink, separate cover	070473	1000 pcs
Biopsy cassettes, green, separate cover	070474	1000 pcs

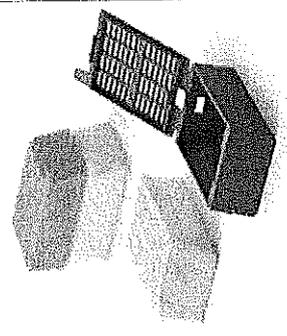


TISSUE MEGA CASSETTES

For processing and embedding of large specimens.

External dimensions: 40x27x13 mm (WxDxH)

PRODUCT	code	packaging
Tissue mega cassettes, white	070360	100 pcs
Tissue mega cassettes, light blue	070361	100 pcs
Tissue mega cassettes, yellow	070362	100 pcs
Tissue mega cassettes, green	070363	100 pcs
Tissue mega cassettes, pink	070364	100 pcs



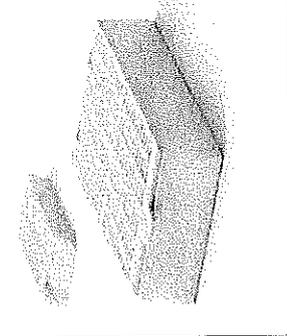
SUPER MEGA CASSETTES

For processing and embedding of macro sections.

- Ideal for large specimens, especially for brain, prostate and breast

External dimensions: 75x54x19 mm (WxDxH)

PRODUCT	code	packaging
Super mega cassettes, white	070750	100 pcs



For all available moulds, see Embedding section
 > see page 56

TISSUE PROCESSING

CONSUMABLES FOR TISSUE PROCESSING

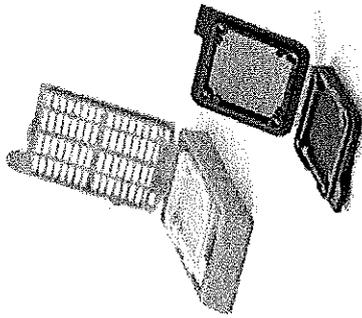
CELLSAFE BIOPSY CAPSULES

Capules with rectangular mesh to handle small specimens during processing and embedding, to insert into standard cassettes.

- ▣ Ideal for biopsies
- ▣ High safety standards thanks to 200 µm mesh
- ▣ Compatible with all standard processing cassettes
- ▣ Composed by two plastic frames connected by an integral nylon mesh
- ▣ Before embedding, the tissue can be removed with greater ease and safety than conventional biopsy filters

External dimensions: 25x27x2.5 mm (WxDxH)

PRODUCT	code	packaging
CellSafe biopsy capsules, white	070149	100 pcs
CellSafe biopsy capsules, white	070148	1000 pcs
CellSafe biopsy capsules, blue	070155	100 pcs
CellSafe biopsy capsules, blue	070156	1000 pcs



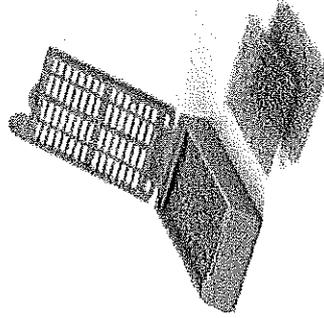
BIOPSY FILTERS

Foam pads for processing of biopsies and small specimens.

- ▣ Reagent exchange avoiding small tissue fragment loss
- ▣ Permeability and resistance to histological reagents, such as alcohol, solvents and paraffin
- ▣ Higher contrast with specimen thanks to light blue colour
- ▣ Compatible with all standard processing cassettes

Dimensions: 30x25x1 mm (WxDxH)

PRODUCT	code	packaging
Biopsy filters	070159	1000 pcs



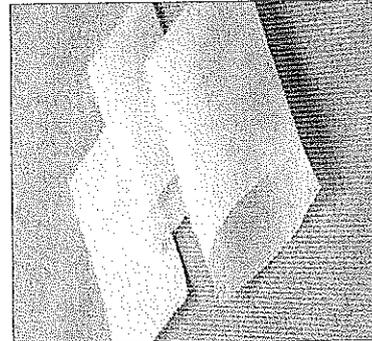
FILTERS BAG

Filters bag for processing of biopsies and small specimens.

- ▣ Maximum specimen protection during processing
- ▣ Resistance to any reagents
- ▣ Time saving

Available in different sizes. Filters bag prevents any contamination risk and the loss of small tissue fragments. Easy opening allowing quick extraction of the specimen at the end of the processing. Two models available: polyester and paper.

PRODUCT	code	packaging
Filters bag, polyester, 30x45 mm (WxD)	070160	1000 pcs
Filters bag, polyester, 45x60 mm (WxD)	070161	1000 pcs
Filters bag, paper, 30x60 mm (WxD)	070165	1000 pcs



CONSUMABLES FOR TISSUE PROCESSING

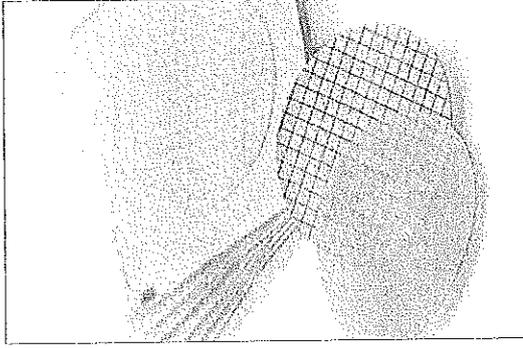
ENDOSCOPIC FILTERS

Membranes for orientation of gastrointestinal tract biopsies.

- ▣ Definition of the exact topographical localization
- ▣ Embedding time reduction
- ▣ Made of cellulose nitrate, sterile and chemically inert to the reagents used for specimen processing

Dimensions: diameter 50 mm, squares 3.1x3.1 mm

PRODUCT	code	packaging
Endoscopic Filters	070150	25 pcs



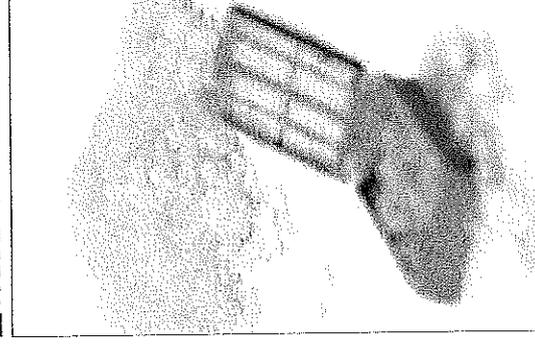
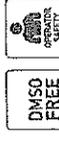
PARAFFIN

Paraffin for histology.

- ▣ High purity
- ▣ DMSO free
- ▣ Non-toxic
- ▣ Microtome cutting of very thin sections
- ▣ Available with two different melting points: 52-54°C and 56-58°C

Composed by solid hydrocarbons mixture and manufactured using a purification process to remove contaminants, Diawax is in white drops, translucent, odorless, stable and easy to handle.

PRODUCT	code	packaging
Diawax 52-54°C	030990	6x2 kg
Diawax 56-58°C	030980	6x2 kg



For the product Bluwax, blue paraffin, see Embedding section
> see page 57

GROSSING CONTAINERS

DISPOSABLE CONTAINERS

Diapath offers a wide range of disposable containers for specimens transport and long-term storage:

SAFE TRANSPORT
The disposable containers are ideal for a safe transport of specimens:

- Clarity and tensile strength
- Shatterproof if accidentally dropped

LEAK-RESISTANT SEALS

Special thread design to provide tight, leak resistant closure, every time:

- Leak-proof, to protect the operator from possible contacts
- No evaporation of the content

COLOUR CAPS

The disposable containers are available with screw and press-close colour caps to code your inventory:

- Transparent (*)
- Coloured or white (*)

WIDE RANGE OF AVAILABLE SIZES

The disposable containers meet all laboratory needs in term of filling volumes (from 25 ml to 5400 ml). The disposable serigraphed containers are indicated by sizes from XXS to XXL. These conventional sizes are used to distinguish easily filling capacity of each container.

For more details on the filling volume, see the table in product description.

EXCELLENT DATA READING ON THE CONTAINER

The range of serigraphed disposable containers uses I.M.L. Technology (In Mould Labeling) that offers a high resolution serigraphed labelling, for a perfect reading of wordings and pictograms (available for sizes XXS, XS, M, L).

(*) Available only for some products

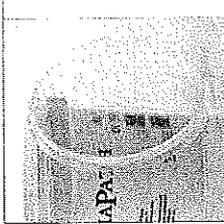
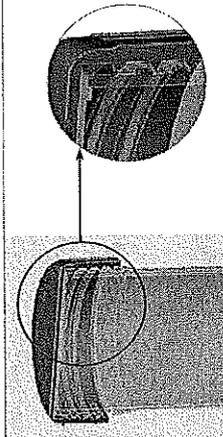


DIAI I.M.L. Technology for an excellent data reading

- Information on the containers
- Manufacturer data
 - Wording leg: Neutral, buffered formalin pH 7.2-7.4
 - Chemical risk pictogram
 - Biohazard pictogram
 - Risk phrases

Transparent lid for an immediate identification of the content

Innovative leakproof system: containers with moulded-in sealing rings for virtually leakproof seals

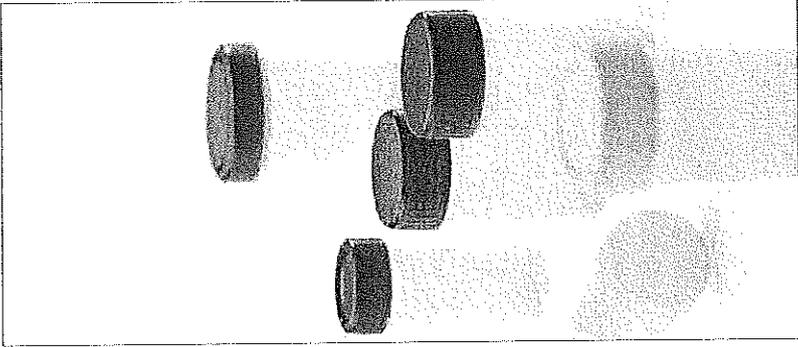


GROSSING CONSUMABLES

DISPOSABLE CONTAINERS

Disposable containers for specimens transport and long-term storage, with screwcaps or press-close lids.

- ☒ Not serigraphed
- ☒ Made of polypropylene

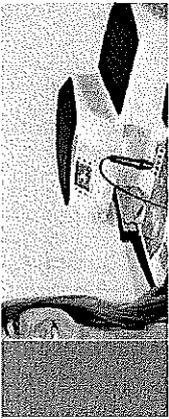
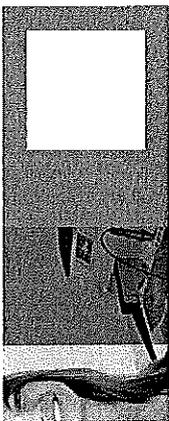


PRODUCT	code	packaging
Disposable transparent container, about 25 ml, white screwcap with moulded-in sealing rings	070013	1000 pcs
Disposable transparent container, about 40 ml, blue screwcap	070021	500 pcs
Disposable transparent container, about 60 ml, red screwcap with moulded-in sealing rings	070015R	1000 pcs
Disposable transparent container, about 60 ml, green screwcap with moulded-in sealing rings	070015V	1000 pcs
Disposable transparent container, about 60 ml, blue screwcap with moulded-in sealing rings	070015B	1000 pcs
Disposable transparent container, about 60 ml, white screwcap with moulded-in sealing rings	070015Z	1000 pcs
Disposable transparent container, about 150 ml, red screwcap	070016	500 pcs
Disposable transparent container, about 250 ml, white screwcap	070019	200 pcs
Disposable transparent container, about 1 l, white press-close lid	070063	25 pcs
Disposable transparent container, about 15 lt, white press-close lid	070069	15 pcs



Code	CAPACITY (volume up to the top)	CAPACITY (suggested filling)	CAPS	MOULDED-IN SEALING RINGS
070013	25 ml	15 ml	screwcap, white	•
070021	40 ml	30 ml	screwcap, blue	•
070015R	60 ml	50 ml	screwcap, red	•
070015V	60 ml	50 ml	screwcap, green	•
070015B	60 ml	50 ml	screwcap, blue	•
070015Z	60 ml	50 ml	screwcap, white	•
070016	150 ml	130 ml	screwcap, red	•
070019	250 ml	220 ml	screwcap, white	•
070063	1 l	10 lt	press-code lid, white	•
070069	15 lt	14 lt	press-code lid, white	•

EMBEDDING



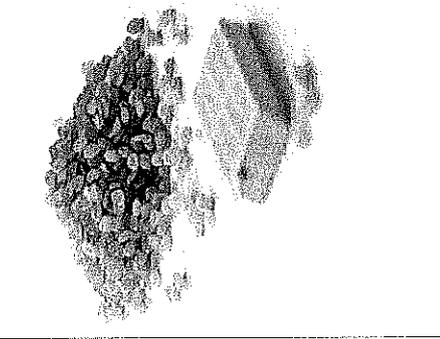
CONSUMABLES FOR EMBEDDING

RING - WHITE EMBEDDING RING MOLDS

White embedding ring molds.

- Paraffin blocks with same dimensions, resistant to every compression
- Made of ABS

PRODUCT Ring - White embedding ring molds code 070410 packaging 1000 pcs



CONSUMABLES FOR EMBEDDING

BLUWAX - SPECIFIC FOR EMBEDDING

Blue paraffin for histological samples embedding.

- The colour blue allows a quick and perfect identification of specimens with small dimensions
- High purity
- DMSO free
- Non-toxic
- Composed by a mixture of solid hydrocarbons and manufactured using a purification process to remove contaminants, Bluwax is in blue drops for an easy dispensing and melting

PRODUCT Bluwax 56-58°C code 060981 packaging 6x2 Kg



EMBEDDING

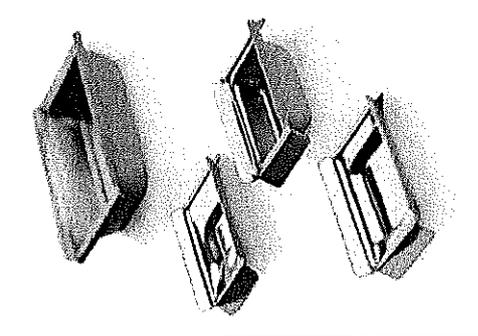
TISSUE MOLDS

Stainless steel embedding molds.

- Quick paraffin cooling thanks to high thermal conductivity of steel
- No warpage guaranteed by the rigid steel structure
- Reusable
- Stable and easy to handle
- Wide range of available sizes

The dimensions indicated in the table refer to the base that will contain the histological specimen.

PRODUCT	code	packaging
Tissue Molds 7x7x6 mm	070805	10 pcs
Tissue Molds 15x15x6 mm	070806	10 pcs
Tissue Molds 24x24x6 mm	070807	10 pcs
Tissue Molds 30x24x6 mm	070808	10 pcs
Tissue Molds 37x24x6 mm	070809	10 pcs
Tissue Molds 33x24x12 mm for Mega cassettes	070810	10 pcs
Tissue Molds 70x50x15 mm for Super Mega cassettes	070811	10 pcs



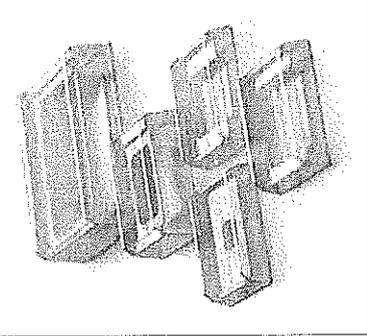
TISSUE DISPOMOLDS

Disposable molds, made of plastic.

- No cleaning process as they are thrown away after use

The dimensions indicated in the table refer to the base that will contain the histological specimen.

PRODUCT	code	packaging
Tissue Dispomolds 7x7x6 mm	070820	500 pcs
Tissue Dispomolds 15x15x6 mm	070821	500 pcs
Tissue Dispomolds 24x24x6 mm	070822	500 pcs
Tissue Dispomolds 30x24x6 mm	070823	500 pcs
Tissue Dispomolds 37x24x6 mm	070824	500 pcs
Tissue Dispomolds 29x20x12 mm per Mega cassette	070825	100 pcs
Tissue Dispomolds 65x45x15 mm per Super Mega cassette	070826	100 pcs

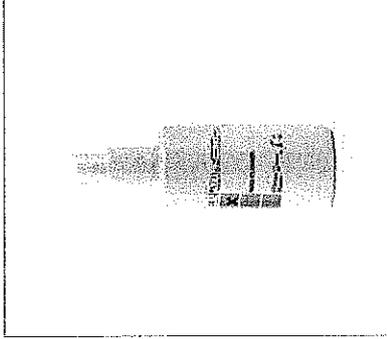


WAX CLEANER

Ecological liquid spray to remove paraffin on embedding centers, microtomes, working planes.

- Non-toxic
- It reduces daily cleaning time and preserves instruments in good conditions

PRODUCT Wax Cleaner code 070142 packaging 200 ml



For the product Diuwax, standard paraffin, see Processing section

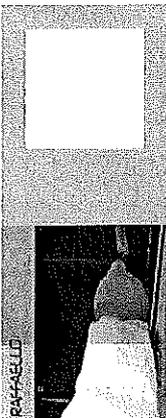
> see page 47

For all kind of cassettes, foam pads and filters, see Processing section

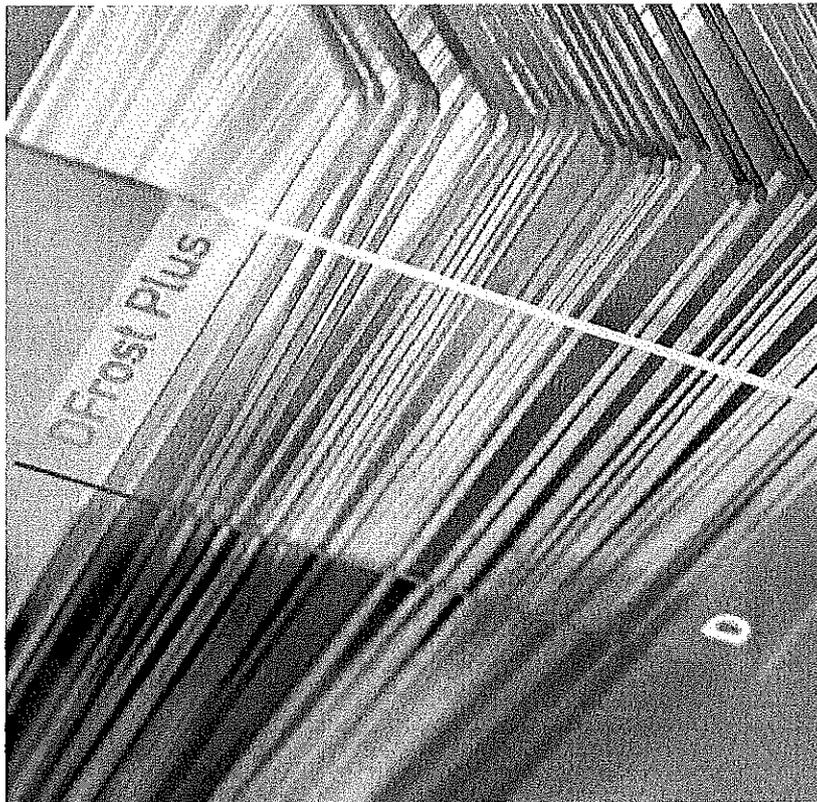
> see pages from 41 to 46



STAINING AND COVERSLIPPING



MICROSCOPE SLIDES AND COVERSLIPS



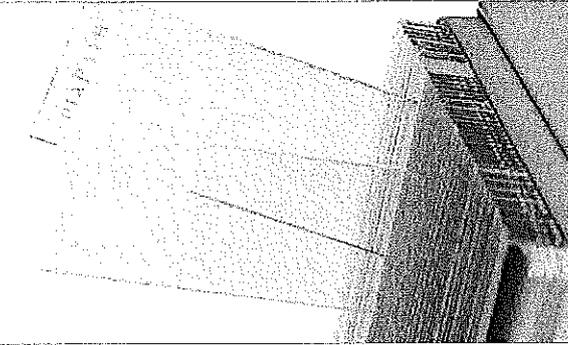
DIAPATH MICROSCOPE SLIDES

Result of many years of experience in Anatomic Pathology, Diapath microscope slides guarantee quality, optimization and standardization of results, innovation and research. Diapath microscope slides are manufactured following an automated and controlled process to guarantee slides of regular dimensions, uniformly smooth and free of bubbles, pockets and streaks. Microscope slides are supplied in sealed cellophane packs to protect the slide from dust and other external agents. Coverslips are supplied in a handy shockproof plastic case, covered with aluminium film.

The line is composed by microscope slides and coverslips:

- With or without frosted marking area
- Cut edge 90°
- Bevelled edge 45°
- Positively charged, not silanated

MICROSCOPE SLIDES



MICROSCOPE SLIDES

Microscope slides for optical microscopy.

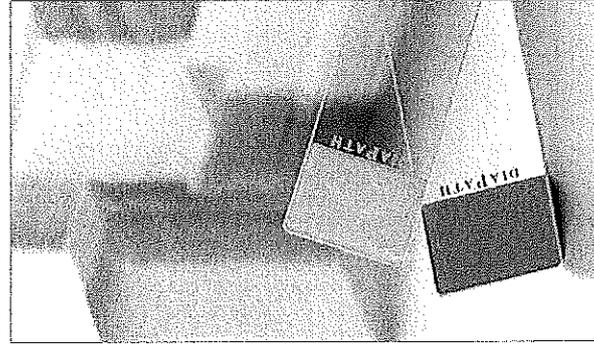
- ≙ Cut edge 90° or bevelled edge of 45°
- ≙ With or without frosted marking area

Thickness: 1 mm
Dimensions: 26x76 mm (WxD)

PRODUCT

Microscope slides, cut edge on both sides	code	packaging
Microscope slides, cut edge, frosted marking area	0610P7C	1000 pcs
Microscope slides, bevelled edge, without marking area	0610TSC	1000 pcs
Microscope slides, bevelled edge, frosted marking area on both sides	0610PMC	1000 pcs
Microscope slides, bevelled edge, frosted marking area on both sides with paper divider between each slide	0610MSC	2500 pcs
	0610MSC/CC	2500 pcs

STAINING AND COVERSLIPPING



MICROSCOPE SLIDES, COLOURED MARKING AREA

Microscope slides, with coloured marking area, for optical microscopy.

- ≙ Easy differentiation of specimens kind due to coloured marking area
- ≙ Bevelled edge 45°

Thickness: 1 mm
Dimensions: 26x76 mm (WxD)

PRODUCT

Microscope slides, bevelled edge 45° orange marking area	code	packaging
Microscope slides, bevelled edge 45°, white marking area	06PMBAC	1000 pcs
Microscope slides, bevelled edge 45°, blue marking area	06PMBZC	1000 pcs
Microscope slides, bevelled edge 45°, yellow marking area	06PMBBC	1000 pcs
Microscope slides, bevelled edge 45°, pink marking area	06PMBGC	1000 pcs
Microscope slides, bevelled edge 45°, green marking area	06PMBRC	1000 pcs
	06PMBYC	1000 pcs

