

ENERGY CERTIFICATE

Energie Steiermark Business GmbH guarantees that the
electricity supplied to the customer

GREINER AG

Greinerstraße 70, 4550 Kremsmünster
and affiliates of the Greiner Group

**FOR THE PERIOD FROM 01.01.2023 TO 31.12.2023
WAS GENERATED ENTIRELY FROM
100% RENEWABLE ENERGY.**

(electricity label pursuant to the Electricity Sector Act [EiWOG])

Supplying the customer does not produce any CO₂ emissions.

Graz, im February 2023



Mag. Peter Oswald



Mag. Gerhard Heidinger



ENERGIE STEIERMARK

Certificate

awarded to

Greiner-Bio-One GmbH

Maybachstraße 2

72636 Frickenhausen

Carsten Speidel, DE-V-0039 verifies that the environmental management system has been assessed and found to be in accordance with the requirements of the

DIN EN ISO 14001:2015

Scope of supply

Design, manufacturing and distribution of innovative plastic products for diagnostic and pharma industry, biotechnology and medicine




Carsten Speidel Environmental Verifier DE-V-0039
Münsingen, 05.10.2021

Certificate -Nr.:	211006
Date of Certification:	2021-10-05
Valid until:	2024-10-04

Sertifikatas

skiriamas

Greiner-Bio-One GmbH
Maybachstrasse 2
72636 Frickenhausen

Carsten Speidel, DE-V-0039 patvirtina, kad aplinkosaugos vadybos sistema buvo įvertinta ir nustatyta, kad ji atitinka reikalavimus, nurodytus

DIN EN ISO 14001:2015

Taikymo sritis

Inovatyvių plastikinių gaminių, skirtų diagnostikos ir farmacijos pramonei, biotechnologijoms ir medicinai, kūrimas, gamyba ir platinimas.

/parašas/
Carsten Speidel, Aplinkosaugos vertintojas, DE-V-0039
Munsingen, 2021.10.05

Sertifikato nr.:	211006
Sertifikato data:	2021-10-05
Galioja iki:	2024-10-04

Tikslus dokumento vertimas į lietuvių kalbą
Vertėja Akvilė Gegelevičienė
Data 2023-04-04
UAB Diamedica
Gėlių g. 2, Avižieniai, Lietuva

Your Power for Health



The outer tube is made of polyethylene terephthalate (PET) and ensures a long shelf-life for the vacuum

For further information, please visit our website www.gbo.com/preanalytics or contact us:

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Your Power for Health



VACUETTE® Coagulation Tubes

Our Innovations
for Your Safety

VACUETTE® Coagulation Tubes

Patented double-wall technology for reliable analysis results

Over the years, the innovative **VACUETTE®** Blood Collection Tubes for coagulation diagnostics from Greiner Bio-One have proven themselves on the market to be the ideal solution. This was made possible by Greiner Bio-One's technological competence, as only years of perfecting technical know-how can guarantee highest quality.

Constant development and improvement of the tube

Greiner Bio-One is the only supplier in the world to offer a vacuum coagulation tube with safety twist cap for easy manual opening as well as automated opening using decapping instruments.

New, transparent PREMIUM labels provide better visual control of the sample quality in the tube.



General handling recommendations

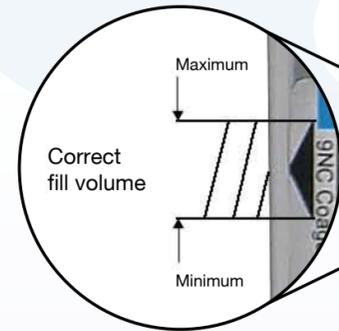
During venipuncture, several samples are collected for laboratory tests. We recommend the following order of draw.

This order of draw conforms to the CLSI "Standard Procedures for the Collection of Diagnostic Blood Specimens by Venipuncture, Approved Standard-Sixth Edition".

* If taken first, then only suitable for routine tests (e.g. PT and aPTT). If the first blood sample directly after venipuncture is used, there is a risk of contaminating the sample with tissue thrombokinase, which could lead to incorrect results.

Order of draw	
1	Blood culture or No additive tubes
2	Coagulation tubes*
3	Serum tubes with/without gel
4	Heparin tubes with/without gel
5	EDTA
6	Glucose
7	Other

New fill-level mark for 1ml, 2ml, 3ml and 3.5ml



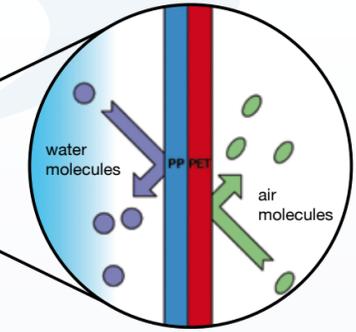
A1 kriterijus

New fill-level mark for correct mixing ratio and correct results

A new fill-level mark in the form of an arrow tip clearly indicates the minimum and maximum fill level, as well as the nominal fill level. This ensures a reliable, correct blood to additive ratio.

The correct mixing ratio of venous blood and sodium citrate is ensured during blood collection, so that the tube contains 1 part sodium citrate solution to 9 parts blood.

Immediately after blood collection, gently invert the coagulation tube 4 times without shaking. This ensures that the blood is mixed thoroughly with the additive.



1 dalis, poz. 8

1 dalis, poz. 7

The inner tube is made out of polypropylene (PP) and prevents the citrate solution from evaporating

Polypropylene (PP) is ideal for sensitive coagulation parameters, due to its inert characteristics

Notes on centrifugation

	Centr. speed	Duration
Platelet rich plasma (PRP)	150 g	5 min.
Platelet poor plasma (PPP)	1500 – 2000 g	10 min.
Platelet free plasma (PFP)	2500 – 3000 g	20 min.

It is recommended to centrifuge coagulation tubes with a 90° swing-out rotor, so that the sediment surface settles at a right angle to the tube wall.

Check that the tubes are placed correctly in the centrifuge insert. When citrate plasma is centrifuged, the centrifugation process should be allowed to coast to a finish, without sudden braking.

Item No.	Nom. Vol.	Cap Colour	Ring Colour	Tube Size	Description
9 NC Coagulation sodium citrate 3.2% - PREMIUM (Safety Twist Cap)					
454320	1 ml	light blue	white	13 x 75	sodium citrate 3.2%, sandwich tube, paediatric draw
454321	2 ml	light blue	white	13 x 75	sodium citrate 3.2%, sandwich tube, paediatric draw
474321	2 ml	light blue	white	13 x 75	sodium citrate 3.2%, sandwich tube, paediatric draw, transparent label
454325	3 ml	light blue	black	13 x 75	sodium citrate 3.2%, sandwich tube
454327	3.5 ml	light blue	black	13 x 75	sodium citrate 3.2%, sandwich tube
474327	3.5 ml	light blue	black	13 x 75	sodium citrate 3.2%, sandwich tube, transparent label
9 NC Coagulation sodium citrate 3.2% - Non-ridged (pull cap)					
454322	2 ml	light blue	white	13 x 75	sodium citrate 3.2%, sandwich tube, paediatric draw
454360	2 ml	light blue	white	13 x 75	sodium citrate 3.2%, sandwich tube, paediatric draw, transparent label
454334	3 ml	light blue	black	13 x 75	sodium citrate 3.2%, sandwich tube
454332	3.5 ml	light blue	black	13 x 75	sodium citrate 3.2%, sandwich tube
9 NC Coagulation sodium citrate 3.8% - PREMIUM (Safety Twist Cap)					
454381	2 ml	light blue	white	13 x 75	sodium citrate 3.8%, sandwich tube, paediatric draw
454385	3 ml	light blue	black	13 x 75	sodium citrate 3.8%, sandwich tube
454387	3.5 ml	light blue	black	13 x 75	sodium citrate 3.8%, sandwich tube
9 NC Coagulation sodium citrate 3.8% - Non-ridged (pull cap)					
454382	2 ml	light blue	white	13 x 75	sodium citrate 3.8%, sandwich tube, paediatric draw
454393	3 ml	light blue	black	13 x 75	sodium citrate 3.8%, sandwich tube
454392	3.5 ml	light blue	black	13 x 75	sodium citrate 3.8%, sandwich tube
CTAD - PREMIUM (Safety Twist Cap)					
474065	2 ml	light blue	yellow	13 x 75	CTAD, 0.11 M sodium citrate with theophylline, adenosine and dipyridamole, sandwich tube, transparent label
474304	3 ml	light blue	yellow	13 x 75	CTAD, 0.11 M sodium citrate with theophylline, adenosine and dipyridamole, sandwich tube, transparent label
454064	3.5 ml	light blue	yellow	13 x 75	CTAD, 0.11 M sodium citrate with theophylline, adenosine and dipyridamole, sandwich tube
474064	3.5 ml	light blue	yellow	13 x 75	CTAD, 0.11 M sodium citrate with theophylline, adenosine and dipyridamole, sandwich tube, transparent label
CTAD - Non-ridged (pull cap)					
454441	3 ml	light blue	yellow	13 x 75	CTAD, 0.11 M sodium citrate with theophylline, adenosine and dipyridamole, sandwich tube, transparent label

Coagulation and CTAD tubes are available in the PREMIUM version with a choice of paper or plastic label.



VACUETTE® Koaguliacijos mėgintuvėliai

Mūsų inovacijos
Jūsų saugumui

Patentuota dvigubos sienelės technologija – patikimi tyrimo rezultatai

Bėgant metams, inovatyvūs VACUETTE® kraujo koaguliacijos mėgintuvėliai užsitikrino sau vietą rinkoje, kaip idealus sprendimas. Jie buvo sukurti pasitelkiant visa Greiner Bio-One kompetenciją technologijose, nes tik nuolat tobulinamos technologijos žinios gali užtikrinti aukščiausią kokybę.

Greiner Bio-One yra vienintelis tiekėjas pasaulyje, galintis pasiūlyti vakuuminį mėgintuvėlį saugu atsukamu kamšteliu – naudojamą tiek rankiniu būdu, tiek automatizuotuose atkimšimo instrumentuose.

Nauja, permatoma PREMIUM etiketė palengvina mėginio kokybės stebėjimą.

Bendrosios naudojimo rekomendacijos

Venos punkcijos metu, laboratoriniams tyrimams yra surenkami keli kraujo mėginiai. Mes rekomenduojame šią kraujo mėginių surinkimo eigą.

Ši surinkimo eiga atitinka CLSI "Standartinę procedūrą dėl diagnostinių kraujo mėginių surinkimo venos punkcijos būdu, patvirtinta standartu – šeštas leidimas".

Surinkimo tvarka	
2	Kraujo kultūros ar mėgintuvėliai be priedų
3	Koaguliacijos mėgintuvėliai
4	Serumo mėgintuvėliai su/be gelio
5	Heparino mėgintuvėliai su/be gelio
6	EDTA
7	Gliukozė
8	Kita

Nauja užpildymo žyma – 1ml, 2ml, 3ml ir 3,5ml.

Nauja užpildymo lygio strėlytės formos žyma aiškiai nurodo minimalų ir maksimalų užpildymo lygį bei nominalų užpildymo lygį. Tai užtikrina patikimą ir tikslų kraujo ir priedo santykį.

Tinkamas veninio kraujo ir natrio citrato maišymas yra užtikrinamas kraujo surinkimo metu – mėgintuvėlyje yra 1 dalis natrio azido ir 9 dalys kraujo.

Iškart po kraujo surinkimo švelniai pavartykite koaguliacijos mėgintuvėlį 4 kartus. Neplakite. Tai užtikrins tinkamą kraujo susimaišymą su priedu.

Centrifugavimas

	Greitis	Trukmė
Daug trombocitų turinti plazma (PRP)	150 g	5 min.
Mažai trombocitų turinti plazma (PPP)	1500 – 2000 g	10 min.
Plazma be trombocitų (PPF)	2500 g – 3000 g	20 min.

Koaguliacijos mėgintuvėlius rekomenduojama centrifuguoti su 90° sūpuokliniu rotoriumi – kad sedimentacija įvyktų tinkamu kampu mėgintuvėlyje.

Įsitikinkite, jog mėgintuvėliai yra tinkamai sudėti į centrifugą. Citrato plazmos centrifugavimo proceso pabaiga negali būti staigi, centrifuga turi nustoti sukis lėtai.

Vidinė mėgintuvėlio pusė yra pagaminta iš polipropileno (PP) – tai užkerta kelią citrato tirpalo garavimui.

Dėl savo inertinių savybių, polipropilenas (PP) yra idealus jautriems koaguliacijos parametrams.

Išorinė mėgintuvėlio pusė yra pagaminta iš polietileno tereftalato (PET) – tai užtikrina ilga vakuumo galiojimą.

Tikslus dokumento vertimas į lietuvių kalbą

Vertėja Akvilė Gegelevičienė

Data 2018-06-24



UAB Diamedica

Molėtų pl. 73, Vilnius, Lietuva

Tel. 8 5 279 0080



ADDITIONAL OPTICAL RECOGNITION

thanks to different
coloured rings on the
top of the cap.

All tubes with 13 mm diameter are available in two versions: as PREMIUM tubes with screw thread or as non-ridged tubes without screw thread. The VACUETTE® PREMIUM tube with screw thread allows hygienic opening and safe resealing of the tube during manual use. VACUETTE® non-ridged tubes can also be opened with a simple pulling motion.

A2 kriterijus



PREMIUM Tubes with screw thread.

Due to the interaction of cap and thread on the PREMIUM tube, the VACUETTE® PREMIUM tube can be opened with a simple twisting movement with minimal effort.



Non-Ridged Tubes without screw thread.

Even without a thread, the non-ridged tubes are ideally opened with a twist and pull movement. All tubes with 16 mm diameter are offered with "non-ridged" pull-off caps as standard.



Of course, all tubes
have the CE-mark.



9NC Coagulation Sodium Citrate 3.2 %

VACUETTE® 9NC coagulation 3.2 % trisodium citrate (0.109 mol/l) tubes are filled with a buffered trisodium citrate solution. The choice of concentration depends on the laboratory's procedure. The mixing ratio is 1 part citrate to 9 parts blood. Selected versions are also available with a transparent label.



1 dalis, poz. 8

A2 kriterijus

A2 kriterijus

Item no.	Nominal volume	Cap colour	Ring colour	Thread type	Tube size	Label	Barcode	Qty. inner / outer
454321	2 ml	● light blue	○ white	PREMIUM	13 x 75	paper	no	50 / 1,200
474321	2 ml	● light blue	○ white	PREMIUM	13 x 75	transparent	no	50 / 1,200
484517	2 ml	● light blue	○ white	PREMIUM	13 x 75	paper	yes	50 / 1,200
494512	2 ml	● light blue	○ white	PREMIUM	13 x 75	BiBarcode	yes	50 / 1,200
454325	3 ml	● light blue	● black	PREMIUM	13 x 75	paper	no	50 / 1,200
454327	3.5 ml	● light blue	● black	PREMIUM	13 x 75	paper	no	50 / 1,200
474327	3.5 ml	● light blue	● black	PREMIUM	13 x 75	transparent	no	50 / 1,200
484518	3.5 ml	● light blue	● black	PREMIUM	13 x 75	paper	yes	50 / 1,200
486505	5 ml	● light blue	● black	PREMIUM	13 x 100	paper	yes	50 / 1,200
454322	2 ml	● light blue	○ white	non-ridged	13 x 75	paper	no	50 / 1,200
454334	3 ml	● light blue	● black	non-ridged	13 x 75	paper	no	50 / 1,200
484508	3 ml	● light blue	● black	non-ridged	13 x 75	paper	yes	50 / 1,200
454332	3.5 ml	● light blue	● black	non-ridged	13 x 75	paper	no	50 / 1,200
455322	9 ml	● light blue	● black	non-ridged	16 x 100	paper	no	50 / 1,200

1 dalis, poz. 7



CAT Serum Clot Activator

VACUETTE® CAT serum clot activator tubes are coated with micronized silica particles that activate clotting when the tubes are gently turned. Selected tubes are also available with a transparent label.



1 dalis, poz. 6

A2 kriterijus

A2 kriterijus

Item no.	Nominal volume	Cap colour	Ring colour	Thread type	Tube size	Label	Barcode	Qty. inner / outer
454098	1 ml	● red	○ white	PREMIUM	13 x 75	paper	no	50 / 1,200
454096	2 ml	● red	○ white	PREMIUM	13 x 75	paper	no	50 / 1,200
484515	2 ml	● red	○ white	PREMIUM	13 x 75	paper	yes	50 / 1,200
454092	4 ml	● red	● black	PREMIUM	13 x 75	paper	no	50 / 1,200
474092	4 ml	● red	● black	PREMIUM	13 x 75	transparent	no	50 / 1,200
484525	4 ml	● red	● black	PREMIUM	13 x 75	paper	yes	50 / 1,200
456092	6 ml	● red	● black	PREMIUM	13 x 100	paper	no	50 / 1,200
476092	6 ml	● red	● black	PREMIUM	13 x 100	transparent	no	50 / 1,200
486504	6 ml	● red	● black	PREMIUM	13 x 100	paper	yes	50 / 1,200
454236	2 ml	● red	○ white	non-ridged	13 x 75	paper	no	50 / 1,200
454204	4 ml	● red	● black	non-ridged	13 x 75	paper	no	50 / 1,200
456089	6 ml	● red	● black	non-ridged	13 x 100	paper	no	50 / 1,200
456048	6 ml	● red	● black	non-ridged	13 x 100	transparent	no	50 / 1,200
455092	9 ml	● red	● black	non-ridged	16 x 100	paper	no	50 / 1,200

1 dalis, poz. 13



CAT Serum Separator Clot Activator

VACUETTE® CAT serum separator clot activator tubes contain a separating gel that migrates up to the interface between serum and clot during centrifugation, where it forms a stable barrier and separates the serum from the fibrin and cells.



A2 kriterijus

1 dalis, poz. 5

Item no.	Nominal volume	Cap colour	Ring colour	Thread type	Tube size	Label	Barcode	Qty. inner / outer
454028	2.5 ml	● red	● yellow	PREMIUM	13 x 75	paper	no	50 / 1,200
484513	2.5 ml	● red	● yellow	PREMIUM	13 x 75	paper	yes	50 / 1,200
454071	3.5 ml	● red	● yellow	PREMIUM	13 x 75	paper	no	50 / 1,200
454214	3.5 ml	● gold	● gold	PREMIUM	13 x 75	paper	no	50 / 1,200
474214	3.5 ml	● gold	● gold	PREMIUM	13 x 75	transparent	no	50 / 1,200
484514	3.5 ml	● red	● yellow	PREMIUM	13 x 75	paper	yes	50 / 1,200
456010	5 ml	● gold	● gold	PREMIUM	13 x 100	paper	no	50 / 1,200
456071	5 ml	● red	● yellow	PREMIUM	13 x 100	paper	no	50 / 1,200
476010	5 ml	● gold	● gold	PREMIUM	13 x 100	transparent	no	50 / 1,200
476071	5 ml	● red	● yellow	PREMIUM	13 x 100	transparent	no	50 / 1,200
486503	5 ml	● red	● yellow	PREMIUM	13 x 100	paper	yes	50 / 1,200
496503	5 ml	● red	● yellow	PREMIUM	13 x 100	BiBarcode	yes	50 / 1,200
454243	2.5 ml	● red	○ white	non-ridged	13 x 75	paper	no	50 / 1,200
454067	3.5 ml	● red	● yellow	non-ridged	13 x 75	paper	no	50 / 1,200
454319	3.5 ml	● gold	● black	non-ridged	13 x 75	paper	no	50 / 1,200
454228	3.5 ml	● gold	● gold	non-ridged	13 x 75	paper	no	50 / 1,200
484502	3.5 ml	● red	● yellow	non-ridged	13 x 75	paper	yes	50 / 1,200
455057	4 ml	● red	● yellow	non-ridged	16 x 100	paper	no	50 / 1,200
485514	4 ml	● red	● yellow	non-ridged	16 x 100	paper	yes	50 / 1,200
456073	5 ml	● red	● yellow	non-ridged	13 x 100	paper	no	50 / 1,200
456069	5 ml	● red	● yellow	non-ridged	13 x 100	transparent	no	50 / 1,200
456234	5 ml	● gold	● gold	non-ridged	13 x 100	transparent	no	50 / 1,200
456018	5 ml	● gold	● gold	non-ridged	13 x 100	paper	no	50 / 1,200
486500	5 ml	● gold	● gold	non-ridged	13 x 100	paper	yes	50 / 1,200
455071	8 ml	● red	● yellow	non-ridged	16 x 100	paper	no	50 / 1,200
485502	8 ml	● red	● yellow	non-ridged	16 x 100	paper	yes	50 / 1,200
495071	8 ml	● red	● yellow	non-ridged	16 x 100	BiBarcode	yes	50 / 1,200
455010	9 ml	● red	● yellow	non-ridged	16 x 100	paper	no	50 / 1,200



K2E K2EDTA Separator

VACUETTE® K2E K2EDTA separator tubes contain an additional separating gel and are used for plasma testing in molecular diagnostics and for virus load determination. Selected tubes are also available with a transparent label.



Item no.	Nominal volume	Cap colour	Ring colour	Thread type	Tube size	Label	Barcode	Qty. inner / outer
454235	3.5 ml	● lavender	● yellow	PREMIUM	13 x 75	paper	no	50 / 1,200
456211	5 ml	○ white	● yellow	PREMIUM	13 x 100	paper	no	50 / 1,200
456058	5 ml	○ white	● yellow	non-ridged	13 x 100	paper	no	50 / 1,200
455040	8 ml	● lavender	● yellow	non-ridged	16 x 100	paper	no	50 / 1,200
455021	8 ml	○ white	● yellow	non-ridged	16 x 100	paper	no	50 / 1,200



K3E K3EDTA

VACUETTE® K3E K3EDTA tubes contain tri-potassium K3EDTA which blocks the coagulation cascade. Selected tubes are also available with transparent labels.



A2 kriterijus

Item no.	Nominal volume	Cap colour	Ring colour	Thread type	Tube size	Label	Barcode	Qty. inner / outer
484509	1 ml	● lavender	○ white	PREMIUM	13 x 75	paper	yes	50 / 1,200
454087	2 ml	● lavender	○ white	PREMIUM	13 x 75	paper	no	50 / 1,200
474087	2 ml	● lavender	○ white	PREMIUM	13 x 75	transparent	no	50 / 1,200
484512	2 ml	● lavender	○ white	PREMIUM	13 x 75	paper	yes	50 / 1,200
454086	3 ml	● lavender	● black	PREMIUM	13 x 75	paper	no	50 / 1,200

1 dalis, poz. 10

1 dalis, poz. 9

A2 kriterijus



Glucose

These tubes are ideal for glucose determinations. The **VACUETTE®** glucose tubes contain sodium fluoride as stabiliser with a choice of potassium oxalate, K3EDTA or sodium heparin as anticoagulant. The **VACUETTE®** FC Mix tube enables exact measurement of the *in-vivo* blood sugar level, which makes it particularly suitable for the diagnosis of Diabetes mellitus.

Tubes are packed 50 pcs per rack and 1200 pcs per carton

Item No.	Nom. Vol.	Cap Colour	Ring Colour	Tube Size	Description
FX Sodium Fluoride / Potassium Oxalate - PREMIUM (Safety Twist Cap)					
454061	2ml	grey	white	13 x 75	FX Sodium Fluoride / Potassium Oxalate, low draw volume
454094	3ml	grey	black	13 x 75	FX Sodium Fluoride / Potassium Oxalate
454062	4ml	grey	black	13 x 75	FX Sodium Fluoride / Potassium Oxalate
456062	6ml	grey	black	13 x 100	FX Sodium Fluoride / Potassium Oxalate
FX Sodium Fluoride / Potassium Oxalate - Non-ridged (pull cap)					
454238	2ml	grey	white	13 x 75	FX Sodium Fluoride / Potassium Oxalate, low draw volume
454297	4ml	grey	black	13 x 75	FX Sodium Fluoride / Potassium Oxalate
454438	4ml	grey	black	13 x 75	FX Sodium Fluoride / Potassium Oxalate, transp. label
FE Sodium Fluoride / K3EDTA - PREMIUM (Safety Twist Cap)					
454085	2ml	grey	white	13 x 75	FE Sodium Fluoride / K3EDTA, low draw volume
454091	4ml	grey	black	13 x 75	FE Sodium Fluoride / K3EDTA
FE Sodium Fluoride / K3EDTA - Non-ridged (pull cap)					
454221	2ml	grey	white	13 x 75	FE Sodium Fluoride / K3EDTA, low draw volume
454033	4ml	grey	black	13 x 75	FE Sodium Fluoride / K3EDTA
FH Sodium Fluoride / Sodium Heparin - PREMIUM (Safety Twist Cap)					
454218	2ml	grey	white	13 x 75	FH Sodium Fluoride / Sodium Heparin, low draw volume
FC Mix - Non-ridged (pull cap)					
454510	2ml	pink	white	13 x 75	FC Mix, transparent label
454511	2ml	grey	white	13 x 75	FC Mix, transparent label
454513	3ml	pink	black	13 x 75	FC Mix, transparent label
454514	3ml	grey	black	13 x 75	FC Mix, transparent label

A2 kriterijus

1 dalis, poz. 11

1 dalis, poz. 11



Blood Grouping

Blood grouping tubes are available in two formulations, ACD-A, ACD-B or with a CPDA solution. Blood grouping tubes are for blood grouping determinations and also for cell preservation.

Tubes are packed 50 pcs per rack and 1200 pcs per carton

Item No.	Nom. Vol.	Cap Colour	Ring Colour	Tube Size	Description
ACD-A - PREMIUM (Safety Twist Cap)					
456055	6ml	yellow	black	13 x 100	ACD-A
ACD-A - Non-ridged (pull cap)					
455055	9ml	yellow	black	16 x 100	ACD-A
ACD-B - PREMIUM (Safety Twist Cap)					
456094	6ml	yellow	black	13 x 100	ACD-B
ACD-B - Non-ridged (pull cap)					
456204	6ml	yellow	black	13 x 100	ACD-B
455094	9ml	yellow	black	16 x 100	ACD-B
CPDA - PREMIUM (Safety Twist Cap)					
456056	6ml	yellow	black	13 x 100	CPDA
CPDA - Non-ridged (pull cap)					
454280	4ml	yellow	black	13 x 75	CPDA
456057	6ml	yellow	black	13 x 100	CPDA
455056	9ml	yellow	black	16 x 100	CPDA



VACUETTE® QUICKSHIELD

Complete PLUS

VACUETTE® QUICKSHIELD Complete PLUS is available as a combination product with a pre-assembled VISIO PLUS Needle. The transparent viewing window enables visual puncture control. The product is ready for immediate use without any further processing steps.

Item no.	Colour code	Needle size	Needle length	Needle length	Needle wall type	Qty. inner / outer
450235V1	● green	21 G	1"	25 mm	thin wall	30 / 360
450239V1	● green	21 G	1.5"	38 mm	thin wall	30 / 360
450226V1	● black	22 G	1"	25 mm	thin wall	30 / 360
450228V1	● black	22 G	1.5"	38 mm	thin wall	30 / 360

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A3 kriterijus



SAFETY Blood Collection/Infusion Set

This version of the product can be used for blood collection by assembling it with, for example, a HOLDEX® or VACUETTE® SAFELINK, or for short-term infusion for up to 5 hours instead.

Safety mechanism: manual activation

Item no.	Colour code	Needle size	Needle length	Needle wall type	Tubing length	Tubing length	Qty. inner / outer
450091	● green	21 G	19 mm	thin wall	7.5"	19 cm	50 / 1,000
450191	● green	21 G	19 mm	thin wall	12"	30 cm	50 / 1,000
450092	● blue	23 G	19 mm	thin wall	7.5"	19 cm	50 / 1,000
450090	● orange	25 G	19 mm	thin wall	7.5"	19 cm	50 / 1,000



SAFETY Blood Collection Set + Luer Adapter

This version of the SBC set has a Luer adapter and can be used with a holder such as our standard tube holder or blood culture holder.

Safety mechanism: manual activation

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Item no.	Colour code	Needle size	Needle length	Needle wall type	Tubing length	Tubing length	Qty. inner / outer
450083	● green	21 G	19 mm	thin wall	4"	10 cm	50 / 1,000
450081	● green	21 G	19 mm	thin wall	7.5"	19 cm	50 / 1,000
450095	● green	21 G	19 mm	thin wall	12"	30 cm	50 / 1,000
450084	● blue	23 G	19 mm	thin wall	4"	10 cm	50 / 1,000
450082	● blue	23 G	19 mm	thin wall	7.5"	19 cm	50 / 1,000
450096	● blue	23 G	19 mm	thin wall	12"	30 cm	50 / 1,000
450099	● orange	25 G	19 mm	thin wall	12"	30 cm	50 / 1,000

A3 kriterijus

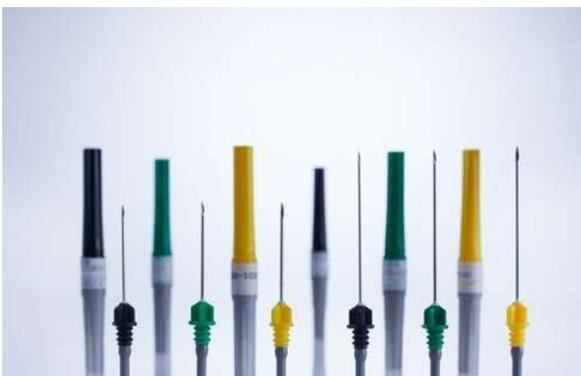


VACUETTE®
VISIO PLUS Needles

This cannula is equipped with a transparent plastic part in the middle, which serves as a viewing window. If the venipuncture is successful, this plastic part turns red due to the onset of blood flow.



Item no.	Colour code	Needle size	Needle length	Needle length	Needle wall type	Qty. inner / outer
450040	● green	21 G	1.5"	38 mm	thin wall	2,000 / 6,000
450041	● black	22 G	1.5"	38 mm	thin wall	2,000 / 6,000
450042	● green	21 G	1"	25 mm	thin wall	2,000 / 6,000
450043	● black	22 G	1"	25 mm	thin wall	2,000 / 6,000



VACUETTE®
Multiple Use Drawing Needles

Blood Collection Needles are predominantly used in routine blood collection and are exclusively single use. The colour of the needle protective cap simplifies visual recognition of the individual needle gauges.



Item no.	Colour code	Needle size	Needle length	Needle length	Needle wall type	Qty. inner / outer
450071	● black	22 G	1"	25 mm	thin wall	2,000 / 6,000
450072	● green	21 G	1"	25 mm	thin wall	2,000 / 6,000
450073	● yellow	20 G	1"	25 mm	regular wall	2,000 / 6,000
450075	● black	22 G	1.5"	38 mm	thin wall	2,000 / 6,000
450076	● green	21 G	1.5"	38 mm	thin wall	2,000 / 6,000
450077	● yellow	20 G	1.5"	38 mm	regular wall	2,000 / 6,000
451071	● black	22 G	1"	25 mm	thin wall	100 / 1,000

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A3 kriterijus



Blood Collection/Infusion Set

This product version is intended for single use and specifically for infusion. Alternatively, the blood collection/infusion set can be used for blood collection by combining it with other components.



Item no.	Colour code	Needle size	Needle length	Needle wall type	Tubing length	Tubing length	Qty. inner / outer
450059	● green	21 G	19 mm	thin wall	4"	10 cm	50 / 1,000
450153	● green	21 G	19 mm	thin wall	7.5"	19 cm	50 / 1,000
450155	● blue	23 G	19 mm	thin wall	7.5"	19 cm	50 / 1,000



Blood Collection Set + Luer Adapter

The Blood Collection/Infusion Set is a sterile single use winged needle connected to a flexible tube. This product version can be used with a holder such as our standard tube holder or a blood culture holder.



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Item no.	Colour code	Needle size	Needle length	Needle wall type	Tubing length	Tubing length	Qty. inner / outer
450064	● green	21 G	19 mm	thin wall	4"	10 cm	50 / 1,000
450065	● green	21 G	19 mm	thin wall	12"	30 cm	50 / 1,000
450066	● green	21 G	19 mm	thin wall	7.5"	19 cm	50 / 1,000
450089	● blue	23 G	19 mm	thin wall	7.5"	19 cm	50 / 1,000
450159	● blue	23 G	19 mm	thin wall	12"	30 cm	50 / 1,000

A3 kriterijus