

# Diluent Universal



REF 11732277 122

2 x 16 mL

## English

### Intended use

Diluent Universal is used as a sample diluent in conjunction with Elecsys assay reagents.

### Summary

Dilution of samples is necessary when the analyte concentrations exceed the measuring range of the respective Elecsys test method. In addition, general predilution of samples is specified for some Elecsys assays.

Assay	REF	Elecsys 2010, cobas e 411	MODULAR ANALYTICS E170	cobas e 601, cobas e 602
Prolactin II	03203093	•	•	•
Cortisol	11875116	•	•	•
HCG STAT	03300811	•	—	•
total P1NP	03141071	•	•	•
Troponin T STAT	04660307	•	—	•
Troponin T	04491815	•	•	•
Myoglobin	12178214	•	•	•
Myoglobin STAT	11820788	•	—	•
Digitoxin	03002659	•	•	•
proBNP II	04842464	•	•	•
proBNP II STAT	05390109	—	—	•
CEA	11731629	•	•	•
CEA	04491777	—	•	•
AFP	04481798	•	•	•
AFP	04491742	—	•	•
total PSA	04641655	•	•	•
total PSA	04491734	—	•	•
CA 15-3 II	03045838	•	•	•
CA 125 II	11776223	•	•	•
CA 19-9	11776193	•	•	•
CA 72-4	11776258	•	•	•
CYFRA 21-1	11820966	•	•	•
Ferritin	03737551	•	•	•
Ferritin	04491785	•	•	•
Anti-HBs	11820524	•	•	•
Anti-HBs II	05894816	• cobas e 411 analyzer only	•	•
Anti-HBs II	06771823	• cobas e 411 analyzer only	•	•
Anti-HBc IgM	11820567	•	•	•
Anti-HAV IgM	11820591	•	•	•
Toxo IgG	04618815	•	•	•
Toxo IgM	04618858	•	•	•
Rubella IgG	04618793	•	•	•
Rubella IgM	04618831	•	•	•
Digoxin	11820796	•	•	•
IgE II	04827031	•	•	•
N-MID Osteocalcin	12149133	•	•	•

Assay	REF	Elecsys 2010, cobas e 411	MODULAR ANALYTICS E170	cobas e 601, cobas e 602
Tg	05118921	•	•	•
HCG+β	03271749	•	•	•
free βhCG	04854071	•	•	•
PAPP-A	04854098	•	•	•
CMV IgG	04784596	•	•	•
CMV IgM	04784618	•	•	•
PTH (1-84)	05608546	•	•	•

• Autodilution possible

— Autodilution not possible

### Reagents - working solutions

Diluent Universal is labeled as Dil. Uni.

2 bottles each containing 16 mL

Contents: Protein matrix; preservative ≤ 0.1 %

### Precautions and warnings

For in vitro diagnostic use.

Exercise the normal precautions required for handling all laboratory reagents.

Disposal of all waste material should be in accordance with local guidelines. Safety data sheet available for professional user on request.

Avoid foam formation in all reagents and sample types (specimens, calibrators and controls).

### Reagent handling

Diluent Universal is ready for use.

Bring the cooled diluent to approximately 20 °C and place on the reagent disk of the analyzer.

Opening and closing of the bottle is performed automatically by the analyzer.

### Storage and stability

Store at 2-8 °C.

Stability:	
unopened at 2-8 °C	up to the stated expiration date
on the analyzers at 20-25 °C	3 months

### Materials provided

- Diluent Universal

### Materials required (but not provided)

- Elecsys 2010, MODULAR ANALYTICS E170 or cobas e analyzer
- See the appropriate assay Method Sheet and the operator's manual for additionally required materials.

### Assay

For general predilution and for analyte concentrations above the measuring range, see dilution recommendation in the respective Elecsys Method Sheet.

Dilutions can be performed either manually by the operator or, if requested, automatically by the analyzers via the instruments' software.

### Elecsys test results

The analyte content of the diluent is in the vicinity of the lower detection limit for the Elecsys assays and can be ignored.

For manual dilutions, the measured concentration must be multiplied by the dilution factor to obtain the actual value in the sample. When dilution is performed by the analyzer, this factor is automatically included in the calculation of the sample concentration.

The concentration in the diluted sample may not be less than the stated minimum concentration in the respective Elecsys assay.

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For further information, please refer to the appropriate operator's manual for the analyzer concerned, the respective application sheets, the product information and the Method Sheets of all necessary components (if available in your country).

A point (period/stop) is always used in this Method Sheet as the decimal separator to mark the border between the integral and the fractional parts of a decimal numeral. Separators for thousands are not used.

## Symbols

Roche Diagnostics uses the following symbols and signs in addition to those listed in the ISO 15223-1 standard.

	Contents of kit
	Analyzers/Instruments on which reagents can be used
	Reagent
	Calibrator
	Volume after reconstitution or mixing
	Global Trade Item Number

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