PRODUCT CATALOG

DIASYS DIAGNOSTIC SYSTEMS

CLINICAL CHEMISTRY

IMMUNOTURBIDIMETRIC TESTS

CALIBRATORS · STANDARDS · CONTROLS · SUPPLEMENTARY REAGENTS

INSTRUMENTS





₹ RELIABLE DIAGNOSES

In 1991, DiaSys Diagnostic Systems emerged as pioneer in the field of liquid-stable reagents and has developed to an established provider of diagnostic solutions for the clinical laboratory. DiaSys develops, manufactures and markets diagnostic systems of superior quality. Laboratories, hospitals, and physicians in more than 100 countries rely on DiaSys products and services for the well being of their patients.

Since its foundation, the independent company has introduced more than ninety liquid-stable reagents for routine and special diagnostics completed by calibrators and controls. Today, we develop not only reagents, but complete diagnostic solutions. The DiaSys instrumentation portfolio comprises partially and fully automated analyzers for small and medium sized laboratories as well as point-of-care (POC) testing instruments.

Permanent update of quality products and processes supported by extensive R&D activities and tailor-made solutions along with strong customer support, maintain and extend DiaSys' position as top quality supplier. In order to be close to the customer, DiaSys is continuously extending its global network for production, sales and support – from the heart of Germany to laboratories all over the world.

DiaSys maintains a quality management system certified according to ISO 13485. All our products are CE marked according to Directive 98/79/EC.



Connecting the World







High Performance Make it Happen







DIAGNOSTIC FIELDS



Blood Donation

Bone Metabolism







Drug Monitoring





Immune System



Inflammation



Intoxication

Kidney



Lipid Metabolism

Metabolic Parameter



Nutrition



Iron Metabolism



Liver



Pancreas

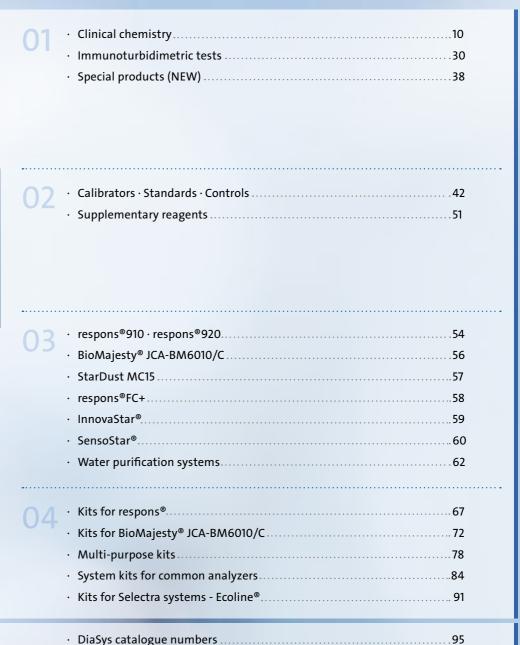


Thrombosis





PAGE



QUALITY DIAGNOSTICS FOR POINT OF CARE

The extensive range of DiaSys QDx POC products includes test strips and devices for various parameters as cardiac, vitamin D, anemia, lipids, and urinalysis.

All DiaSys QDx POC tests have laboratory precision, are easy to use and give a quick



turnaround time to results. Further information on www.diasys-diagnostics.com





THE DEDICATED SOLUTION FOR VETERINARY LABORATORIES

Veterinary laboratories need to be both highly efficient and economical in order to succeed in today's competitive world. Their workflow has to be optimized and run without interruption and for this instruments must be easy to use. respons®910VET is the ideal solution: It can be put to work right away by experienced employees and requires only minimal maintenance and service.





REAGENTS



USER FRIENDLY REAGENTS FOR RELIABLE RESULTS

The DiaSys clinical chemistry portfolio offers more than 50 ready-to-use reagents for routine and special diagnostics with outstanding performance and optimized stability. DiaSys clinical chemistry reagents are available in different vials and kit sizes for manual and automated use in various common clinical chemistry analyzers.

DiaSys reagents, combined with optimized applications on DiaSys instruments, standardized calibrators and tailored quality control material, form a harmonized system for highest laboratory demands.

· Liquid-stable, ready-to-use reagents.

- · Wide measuring ranges. Excellent linearity.
- · Minimized interferences. Advanced lipid clearing system.
- · Excellent stability on shelf and on board. Extended calibration stability.
- · Standardized to international reference material or method.
- · Applications available for a variety of common automated systems.

Product	
Acetaminophen FS Product code: 1 5819*	Colorimetric testLinearity up to 600 mg/L
	 Wavelength 700 nm System kits Calibrator: TruCal Acetaminophen (two levels) Controls: TruLab Acetaminophen (two levels)
ALAT (GPT) FS (IFCC mod.)	IFCC recommended procedure
Product code 1 2701*	 Linearity up to 600 U/L (may vary according to specific applications) Wavelength 340, 334 or 365 nm
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits, System kits, kits for Selectra
	Calibrator: TruCal U
	Controls: TruLab N, TruLab P
	Supplementary reagent: Pyridoxal-5-Phosphate FS
Albumin FS Product code 1 0220*	Bromocresol green method Linearity up to 6 g/dL
Trouble code 10220.	• Wavelength 546 nm, 540 – 600 nm
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits, System kits, kits for Selectra
	Calibrator: TruCal U
	Standard: Albumin Standard FS
	Controls: TruLab N, TruLab P

Product	
Alkaline phosphatase FS DGKC	· DGKC recommended procedure
Product code 1 0401*	· Linearity up to 4500 U/L (may vary according to specific applications)
	· Wavelength 405 nm, 400 – 420 nm
	Multi-purpose kits, System kits, kits for Selectra
	Calibrator: TruCal U
	Controls: TruLab N, TruLab P
Alkaline phosphatase FS IFCC 37°C	· IFCC recommended procedure
Product code 1 0441*	· Linearity up to 1400 U/L (may vary according to specific applications)
	· Wavelength 405 nm, 400 – 420 nm
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits,
	System kits, kits for Selectra
	Calibrator: TruCal U
	Controls: TruLab N, TruLab P
α-Amylase CC FS	· EPS-G7 method, based on IFCC recommended procedure
Product code 1 0501*	· Serum, plasma or urine
	· Linearity up to 2000 U/L (may vary according to specific applications)
	· Wavelength 405 nm
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits, System kits
	Calibrator: TruCal U
	Controls: TruLab N, TruLab P, TruLab Urine (two levels)

Product	
ASAT (GOT) FS (IFCC mod.)	· IFCC recommended procedure
Product code 1 2601*	· Linearity up to 700 U/L (may vary according to specific applications)
	· Wavelength 340, 334 or 365 nm
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits, System kits,
	kits for Selectra
	Calibrator: TruCal U
	Controls: TruLab N, TruLab P
	Supplementary reagent: Pyridoxal-5-Phosphate FS
ATP Hexokinase FS	· Indirect indicator for survival rate of erythrocytes
Product code 1 6201*	· Determination of ATP in erythrocyte concentrates
	and other sample material
নি	· Linearity up to 370 μmol/dL
9	· Wavelength 340, 334 or 365 nm
	Multi-purpose kits
	Standard: ATP Standard FS
Bicarbonate FS	· Enzymatic test using highly stable synthetic NADH analog
Product code 1 0950*	· Linearity up to 50 mmol/L
	· Wavelength 405 or 415 nm
•	
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits, System kits
	Standard: Bicarbonate Standard FS
	Control: TruLab Bicarbonate (one level)

Product	
Bile acids	· Colorimetric endpoint test
Product code 1 2212*	· Reconstitution required
	· Linearity up to 150 μmol/L
	· Wavelength 540 nm
	Kits for Selectra, Multi-purpose kits
	Standard: Bile acids Standard (included in kit)
	Controls: TruLab N, TruLab P
Bilirubin Auto Direct FS	· DCA method
Product code 1 0821*	· Linearity up to 10 mg/dL
	· Wavelength 546 nm, 540 – 560 nm
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits, System kits
	Calibrator: TruCal U
	Controls: TruLab N, TruLab P
Bilirubin Auto Total FS	· DCA method
Product code 1 0811*	· Linearity up to 30 mg/dL
	· Wavelength 546 nm, 540 – 560 nm
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits,
	System kits, kits for Selectra
	Calibrator: TruCal U
	Controls: TruLab N, TruLab P

Product	
Bilirubin Jendrassik-Gróf FS Product code 1 0849*	 Measurement of total and direct bilirubin Linearity up to 10 mg/dL Wavelength: direct bilirubin 546 nm total bilirubin 578 nm Kits for Selectra, Multi-purpose kits Controls: TruLab N, TruLab P
Calcium AS FS Product code 1 1130*	Arsenazo III methodSerum, plasma or urine
3 (+)	 Linearity up to 20 mg/dL Wavelength 650, 630 – 670 nm, Hg 623 nm Multi-purpose kits, System kits
	Calibrator: TruCal U Standard: Calcium Standard FS Controls: TruLab N. TruLab P. TruLab Urine (two levels)
Calcium P FS Product code 1 1181*	 Controls: TruLab N, TruLab P, TruLab Urine (two levels) New Phosphonazo method Serum, plasma or urine Linearity up to 25 mg/dL Wavelength 660 nm, 700/800 nm (bichromatic)
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits, System kits Calibrator: TruCal U Standard: Calcium Standard FS
	Controls: TruLab N, TruLab P, TruLab Urine (two levels)

Product	
Chloride 21 FS Product code 1 1221*	 Advanced colorimetric test Measuring range 40 – 170 mmol/L Wavelength 340/660 nm (bichromatic)
	Kits for respons®, Multi-purpose kits Calibrator: TruCal E Controls: TruLab N, TruLab P
Cholesterol FS 5' Product code 1 1350*	 CHOD-PAP method - Trinder reaction Linearity up to 750 mg/dL Wavelength 500 nm, Hg 546 nm
	Multi-purpose kits Calibrator: TruCal U Standard: Cholesterol Standard FS Controls: TruLab N, TruLab P, TruLab L (two levels)
	Supplementary reagents: HDL Precipitant, LDL Precipitant
Cholesterol FS 10' Product code 1 1300*	 CHOD-PAP method - Trinder reaction Linearity up to 750 mg/dL Wavelength 500 nm, Hg 546 nm
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits, System kits, kits for Selectra Calibrator: TruCal U
	Standard: Cholesterol Standard FS Controls: TruLab N, TruLab P, TruLab L (two levels) Supplementary reagents: HDL Precipitant, LDL Precipitant

Product	
Cholinesterase FS Product code 1 1401*	Butyrylthiocholine method Linearity up to 20000 U/L (may vary according to specific applications)
	· Wavelength 405 nm Kits for respons®, kits for BioMajesty®, Multi-purpose kits,
	System kits, kits for Selectra Calibrator: TruCal U Controls: TruLab N, TruLab P
CV AND EC	, , , , , , , , , , , , , , , , , , , ,
CK-MB FS Product code 1 1641*	 Immunoinhibition method, based on DGKC/IFCC recommendation Linearity up to 2000 U/L CK (may vary according to specific applications)
Product code 1 1041	Wavelength 340 nm, Hg 334 nm
14	vvavelength 540 mm, rig 554 mm
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits, System kits
	Calibrator: TruCal CK-MB (one level)
	Controls: TruLab N, TruLab P
	Supplementary reagent: CK-MB DS
CK-NAC FS	DGKC/IFCC recommended procedure
Product code 1 1601*	· Linearity up to 1100 U/L (may vary according to specific applications)
F	· Wavelength 340 nm, Hg 365 nm, Hg 334 nm
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits,
	System kits, kits for Selectra
	Calibrator: TruCal U
	Controls: TruLab N, TruLab P

Product	
Creatinine FS	· Jaffé method
Product code 1 1711*	· Serum, plasma or urine
	· Linearity up to 15 mg/dL
8	· Wavelength Hg 492 nm, 490 – 510 nm
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits,
	System kits, kits for Selectra
	Calibrator: TruCal U
	Standard: Creatinine Standard FS
	Controls: TruLab N, TruLab P, TruLab Urine (two levels)
Creatinine PAP FS	· Enzymatic PAP method
Product code 1 1759*	· Serum, plasma or urine
(8)	· Linearity up to 160 mg/dL
	· Wavelength Hg 546 nm
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits,
	System kits, kits for Selectra
	Calibrator: TruCal U
	Standard: Creatinine Standard FS
	Controls: TruLab N, TruLab P, TruLab Urine (two levels)
Ethanol FS	· Enzymatic endpoint test
Product code 1 0881*	· Linearity up to 3.5 g/L
	· Wavelength 376 nm, 360 – 380 nm
	Kits for respons®, kits for BioMajesty®, System kits
	Standards: Ethanol Standard FS (different levels)
	Control: TruLab Ethanol (one level)

Product	
Gamma-GT FS (Szasz mod./IFCC stand.)	 Method according to Szasz/Persijn Linearity up to 1200 U/L (may vary according to specific applications)
Product code 1 2801*	· Wavelength 405 nm, 400 – 420 nm
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits, System kits, kits for Selectra
	Calibrator: TruCal U
	Controls: TruLab N, TruLab P
GLDH FS DGKC	Method according to DGKC recommendation 1972
Product code 1 2411*	· Linearity up to 120 U/L (may vary according to specific applications)
	· Wavelength 340 nm, Hg 334 nm
	Multi-purpose kits, System kits, kits for Selectra
	Calibrator: TruCal U
	Controls: TruLab N, TruLab P
Glucose Gluc-DH FS	· Glucose dehydrogenase method
Product code 1 2531*	· Serum, plasma, urine and CSF
	· Linearity up to 1000 mg/dL
	· Wavelength 334 nm, 340 nm, 365 nm
	Kits for Selectra, Multi-purpose kits
	Calibrator: TruCal U
	Standard: Glucose Standard FS
	Controls: TruLab N, TruLab P, TruLab Urine (two levels)
	Supplementary reagent: Glucose Hemolyzing Solution

Product	
Glucose GOD FS 5'	· GOD-PAP method - Trinder reaction
Product code 1 2550*	· Linearity up to 400 mg/dL
	· Wavelength 500 nm, Hg 546 nm
	Multi-purpose kits
	Calibrator: TruCal U
	Standard: Glucose Standard FS
	Controls: TruLab N, TruLab P
Glucose GOD FS 10'	· GOD-PAP method - Trinder reaction
Product code 1 2500*	· Linearity up to 400 mg/dL
	· Wavelength 500 nm, Hg 546 nm
	Kits for respons®, Multi-purpose kits, System kits
	Calibrator: TruCal U
	Standard: Glucose Standard FS
	Controls: TruLab N, TruLab P
Glucose Hexokinase FS	· Hexokinase method
Product code 1 2511*	· Serum, plasma or urine
	· Linearity up to 900 mg/dL
	· Wavelength 340 nm, Hg 334 nm, Hg 365 nm
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits, System kits
	Calibrator: TruCal U
	Standard: Glucose Standard FS
	Controls: TruLab N, TruLab P, TruLab Urine (two levels)

Product	
α-HBDH FS	· DGKC recommended method
Product code 1 3201*	· Linearity up to 1200 U/L (may vary according to specific applications)
	· Wavelength 340 nm, Hg 334 nm, Hg 365 nm
	Multi-purpose kits
	Calibrator: TruCal U
	Controls: TruLab N, TruLab P
HDL-C Immuno FS	· Direct immunoinhibition method, endpoint assay
Product code 1 3521*	· Linearity up to 180 mg/dL
	· Wavelength 600 nm/700 nm (bichromatic)
(4) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	With farmers and little far Dishharing had been accounted for the control little
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits, System kits
	Calibrator: TruCal Lipid
	Control: TruLab L (two levels)
Hemoglobin FS	· Concentrated reagent
Product code 2 2549*	· Hemiglobincyanide method
	· Linearity up to 40 g/dL
◆ Fe	· Wavelength 540 nm, Hg 546 nm
	Multi-purpose kits
Homocysteine FS	Enzymatic cycling method
Product code 13409*	· Linearity up to 50 μmol/L
	· Wavelength 340/700 nm (bichromatic)
	, , , , , , , , , , , , , , , , , , , ,
	System kits
	Calibrator: TruCal Homocysteine (three levels)

Product	
β-Hydroxybutyrate 21 FS	· Kinetic UV test
Product Code: 1 3711*	· Linearity up to 7 mmol/L
	· Wavelength 340 nm
	Kits for respons®, kits for BioMajesty®, System kits
	Standard: β-Hydroxybutyrate Standard FS
	Controls: TruLab N, TruLab P
Iron FS Ferene	· Ferene method
Product code 1 1911*	· Linearity up to 1000 μg/dL
\	· Wavelength 600 nm, Hg 595 nm
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits,
	System kits, kits for Selectra
	Calibrator: TruCal U
	Standard: Iron Standard FS
	Controls: TruLab N, TruLab P
Lactate FS	· LDH UV endpoint method
Product code 1 4001*	· Linearity up to 120 mg/dL
	· Wavelength 340 nm
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits, System kits
	Calibrator: TruCal U
	Controls: TruLab N, TruLab P

Product	
LDH FS DGKC	· DGKC recommended method
Product code 1 4201*	· Linearity up to 1200 U/L (may vary according to specific applications)
	· Wavelength 340 nm, Hg 365 nm, Hg 334 nm
	Multi-purpose kits, System kits, kits for Selectra
	Calibrator: TruCal U
	Controls: TruLab N, TruLab P
LDH FS IFCC	· IFCC recommended method
Product code 1 4211*	· Linearity up to 1200 U/L (may vary according to specific applications)
	· Wavelength 340 nm, Hg 365 nm, Hg 334 nm
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits,
	System kits, kits for Selectra
	Calibrator: TruCal U
	Controls: TruLab N, TruLab P
LDL-C Select FS	· Selective direct single measurement, endpoint assay
Product code 1 4121*	· Linearity up to 400 mg/dL
	· Wavelength 600 nm/700 nm (bichromatic)
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits, System kits
	Calibrator: TruCal Lipid
	Control: TruLab L (two levels)



Product	
Lipase DC FS	· Direct colorimetric method, highly specific
Product code 1 4321*	· Linearity up to 300 U/L (may vary according to specific applications)
	· Wavelength 580 nm, Hg 578 nm
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits, System kits
	Calibrator: TruCal U
	Controls: TruLab N, TruLab P
Lp-PLA ₂ FS	· Enzymatic method, determination of enzyme activity
Product code 1 7181*	· Linearity up to 2000 U/L
	· No interferences by hemoglobin, bilirubin and lipemia
	· Wavelength 405 nm/505 nm (bichromatic)
	Kits for respons®, System kits
	Calibrator: TruCal Lipid
	Control: TruLab L (two levels)
Magnesium XL FS	· Xylidyl blue method
Product code 1 4610*	· Serum, plasma, urine or CSF
	· Linearity up to 5 mg/dL
(2)	· Wavelength: 520, 500 – 550 nm, Hg 546 nm
	628, 570 – 650 nm, Hg 623 nm
	Mile Company of Disharing Manual Company
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits,
	System kits, kits for Selectra
	Calibrator: TruCal U
	Standard: Magnesium Standard FS
	Controls: TruLab N, TruLab P, TruLab Urine (two levels)

Product	
NEFA FS	· Innovative Trinder method
(non-esterified fatty acids)	· Linearity up to 3 mmol/L
Product code 1 5781*	· Wavelength 546/600 nm (bichromatic)
	Kits for respons®, kits for BioMajesty®, System kits Calibrator: TruCal Lipid Standard: NEFA Standard FS Control: TruLab L (two levels)
Pancreatic amylase CC FS	· EPS-G7 method, based on IFCC recommendation
Product code 1 0551*	· Immunoinhibition of salivary amylase
	· Serum, plasma or urine
	· Linearity up to 2000 U/L (may vary according to specific applications)
	· Wavelength 405 nm
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits, System kits
	Calibrator: TruCal U
	Controls: TruLab N, TruLab P
Phosphate FS	· Molybdate method
Product code 1 5211*	· Serum, plasma or urine
	· Linearity up to 30 mg/dL
	· Wavelength 340/660 nm (bichromatic), Hg 334 nm, Hg 365 nm
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits,
	System kits, kits for Selectra
	Calibrator: TruCal U
	Standard: Phosphate Standard FS
	Controls: TruLab N, TruLab P, TruLab Urine (two levels)

Product	
Phospholipids FS	Enzymatic colorimetric test
Product code 1 5741*	· Linearity up to 13.3 mmol/L
	· Wavelength 570 nm
	Kits for respons®, kits for BioMajesty®, System kits
	Calibrator: TruCal Lipid
	Standard: Phospholipids Standard FS
	Control: TruLab L (two levels)
Potassium FS	· Enzymatic method
Product code 1 5221*	· Linearity up to 8 mmol/L
•	· Wavelength 340 nm
	Kits for respons®, Multi-purpose kits
	Calibrator: TruCal E
	Controls: TruLab N, TruLab P
Sodium FS	· Enzymatic method
Product code 1 4808*	· Linearity up to 180 mmol/L
	· Wavelength 405/660 nm (bichromatic)
	Kits for respons®, Multi-purpose kits
	Calibrator: TruCal E
	Controls: TruLab N, TruLab P

Product	
Total protein FS	· Biuret method
Product code 1 2311*	· Linearity up to 15 g/dL
Ö	· Wavelength 540 nm, Hg 546 nm
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits,
	System kits, kits for Selectra
	Calibrator: TruCal U
	Standard: Total protein Standard FS
	Controls: TruLab N, TruLab P
Total protein UC FS	· Pyrogallol red method
Product code 1 0210*	· Measurement in urine or CSF
	· Linearity up to 3000 mg/L
(2)	· Wavelength 600 nm
	Kits for respons®, Multi-purpose kits, System kits
	Standard: Total protein UC Standard FS
	Control: TruLab Urine (two levels)
Triglycerides FS 5'	· GPO method - Trinder reaction
Product code 1 5760*	· Linearity up to 1000 mg/dL
	· Wavelength 500 nm, Hg 546 nm
@ 	Multi-purpose kits, kits for Selectra
	Calibrator: TruCal U
	Standard: Triglycerides Standard FS
	Controls: TruLab N, TruLab P, TruLab L (two levels)

Product	
Triglycerides FS 10'	· GPO method - Trinder reaction
Product code 1 5710*	· Linearity up to 1000 mg/dL
	· Wavelength 500 nm, Hg 546 nm
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits, System kits
	Calibrator: TruCal U
	Standard: Triglycerides Standard FS
	Controls: TruLab N, TruLab P, TruLab L (two levels)
UIBC FS	· Ferene method
(Unsaturated iron binding capacity)	· Linearity up to 750 μg/dL
Product code 1 1921*	· Wavelength 600 – 620 nm, Hg 578 nm, 623 nm
	Vita for yearner® Lita for Dis Maisatu® Custom Lita
◆ Fe	Kits for respons®, kits for BioMajesty®, System kits
	Calibrator: TruCal U
	Control: TruLab N
Urea FS	· Urease-GLDH method
Product code 1 3101*	· Serum, plasma or urine
	· Linearity up to 300 mg/dL
(2)	· Wavelength 340 nm, Hg 334 nm, Hg 365 nm
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits,
	System kits, kits for Selectra
	Calibrator: TruCal U
	Standard: Urea Standard FS
	Controls: TruLab N, TruLab P, TruLab Urine (two levels)

Product	
Urea CT FS	· Colorimetric endpoint method (Berthelot)
Product code 1 3115*	· Serum, plasma or urine
	· Linearity up to 400 mg/dL in serum/plasma and up to 40 g/dL in urine
(3)	· Wavelength 578 nm, 560 – 600 nm
	Multi-purpose kits, kits for Selectra
	Calibrator: TruCal U
	Standard: Urea Standard FS
Uric acid FS TBHBA	· Uricase-TBHBA method
Product code 1 3021*	· Serum, plasma or urine
	· Linearity up to 20 mg/dL
Ŏ	· Wavelength 520, 500 – 550 nm, Hg 546 nm
	Multi-purpose kits, System kits, kits for Selectra
	Calibrator: TruCal U
	Standard: Uric acid Standard FS
	Controls: TruLab N, TruLab P, TruLab Urine (two levels)
Uric acid FS TOOS	· Uricase-TOOS method, no ascorbate interference
Product code 1 3001*	· Serum, plasma or urine
	· Linearity up to 20 mg/dL
Ö	· Wavelength 550 nm, Hg 546 nm
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits, System kits
	Calibrator: TruCal U
	Standard: Uric acid Standard FS
	Controls: TruLab N, TruLab P, TruLab Urine (two levels)

HIGHEST PERFORMANCE IN PROTEIN TESTING

The DiaSys immunoturbidimetric test portfolio offers more than 20 ready-to-use reagents for routine and special diagnostics with outstanding performance and optimized stability. DiaSys immunoturbidimetric tests are available in different vials and kit sizes for manual and automated use in various common clinical chemistry analyzers.

E2 400

DiaSys reagents, combined with optimized applications on DiaSys instruments, standardized calibrators and tailored quality control material, form a harmonized system for highest laboratory demands.

- · Liquid-stable, ready-to-use reagents.
- · Widest measuring ranges. No sample pre-dilution.
- · High prozone security.

- · Minimized interferences. Advanced lipid clearing system.
- · Excellent stability on shelf and on board. Extended calibration stability.
- · Standardized to international reference material or reference methods.
- · Applications available for a variety of common automated systems.

Product	
Albumin in Urine/CSF FS (Microalbumin) Product code 1 0242*	 Linearity up to 350 mg/L No prozone effect up to 60000 mg/L (urine application) No prozone effect up to 200 g/L (serum application) Wavelength: 415/700 nm (urine application) 570 nm (serum application)
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits, System kits, kits for Selectra
	Calibrators: TruCal Albumin U/CSF (urine application: five levels) TruCal Albumin U/CSF high (urine application: one high level) TruCal Protein high (serum application: one high level) TruCal Protein (serum application: five levels)
	Controls: TruLab Albumin U/CSF (urine application: two levels) TruLab Protein (serum application: two levels)
Antistreptolysin O FS Product code 1 7012*	 Particle enhanced immunoturbidimetric test Linearity up to 800 IU/mL, no prozone effect up to 1500 IU/mL Wavelength 500 – 600 nm
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits, System kits Calibrator: TruCal ASO (five levels) Control: TruLab Protein (two levels)
Apolipoprotein A1 FS Product code 1 7102*	 Linearity up to 250 mg/dL, no prozone effect up to 500 mg/dL Wavelength 580 nm, 500 – 700 nm
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits, System kits Calibrator: TruCal Apo A1/B (one high level) Control: TruLab L (two levels)

IMMUNOTURBIDIMETRIC TESTS

Product	
Apolipoprotein B FS Product code 1 7112*	 Linearity up to 250 mg/dL, no prozone effect up to 1000 mg/dL Wavelength 340 nm
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits, System kits
	Calibrator: TruCal Apo A1/B (one high level)
	Control: TruLab L (two levels)
Complement C3c FS	· Linearity up to 500 mg/dL, no prozone effect up to 1000 mg/dL
Product code 1 1802*	· Wavelength 340 nm
	Kits for respons®, kits for BioMajesty®, System kits Calibrators: TruCal Protein (five levels) TruCal Protein high (one high level) Control: TruLab Protein (two levels)
Complement C4 FS	· Linearity up to 90 mg/dL, no prozone effect up to 180 mg/dL
Product code 1 1812*	· Wavelength 340 nm
	Kits for respons®, kits for BioMajesty®, System kits
T X F	Calibrators: TruCal Protein (five levels)
	TruCal Protein high (one high level)
	Control: TruLab Protein (two levels)

Product	
CRP FS	· Linearity up to 500 mg/L, no prozone effect up to 2000 mg/L
Product code 1 7002*	· Wavelength 340 nm, Hg 334 nm
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits, System kits, kits for Selectra Calibrators: TruCal CRP (five levels) TruCal CRP 150 (one level)
	TruCal CRP high (one high level)
	Controls: TruLab CRP (two levels)
	TruLab Protein (two levels)
CRP U-hs	· Universal (U) and high sensitive (hs) use
Product code 1 7045*	Particle enhanced immunoturbidimetric test
	· Dynamic range 0.3 – 350 mg/L
	· High sensitive range 0.05 – 20 mg/L
	· No prozone effect up to 1000 mg/L (hs up to 800 mg/L)
	· Wavelength 505/800 nm (bichromatic)
	Kits for respons®, System kits
	Calibrators: TruCal CRP U (five levels)
	TruCal CRP hs (five levels)
	Controls: TruLab CRP (two levels)
	TruLab CRP hs (two levels)
	TruLab Protein (two levels)

IMMUNOTURBIDIMETRIC TESTS

Product	
Cystatin C FS Product code 1 7158*	 Particle enhanced immunoturbidimetric test Linearity up to 8.0 mg/L Wavelength 505 nm
	Kits for respons®, kits for BioMajesty®, System kits Calibrator: TruCal Cystatin C (five levels) Control: TruLab Cystatin C (two levels)
D-Dimer FS Product code 1 7268*	 Particle enhanced immunoturbidimetric test Linearity up to 8.7 μg FEU/mL No prozone effect up to 50 μg FEU/mL
	 Wavelength 570 nm Kits for respons®, kits for BioMajesty®, System kits Calibrator: TruCal D-Dimer (one high level) Control: TruLab D-Dimer (two levels)
Ferritin FS Product code 1 7059*	 Particle enhanced immunoturbidimetric test Linearity up to 1000 μg/L, no prozone effect up to 30000 μg/L
₹Fe	 Wavelength 570/800 nm (bichromatic) Kits for BioMajesty®, System kits, kits for Selectra Calibrator: TruCal Ferritin (four levels)
	Control: TruLab Protein (two levels)
Ferritin SR (optimized for respons®) Product code 1.7345 *	 Particle enhanced immunoturbidimetric test Linearity up to 500 μg/L, no prozone effect up to 125000 μg/L
Product code 17245*	Wavelength 800 nm Kits for respons® Calibrator: TruCal Ferritin SR (five levels) Control: TruLab Protein (two levels)

Product			
o ⊚e HbA1c FS	· Particle enhanced immunoturbidimetric test		
Product code 1 3329*	· Direct measurement of HbA1c, no measurement of total hemoglobin		
	· Measuring range 15 – 150 mmol/mol (IFCC)		
	· Measuring range 3 – 16% (DCCT/NGSP)		
	· Wavelength 660 nm		
	Kits for respons®, System kits, kits for Selectra		
	Calibrator: TruCal HbA1c liquid (four levels)		
	Control: TruLab HbA1c liquid (two levels)		
	Supplementary reagent: • • HbA1c Hemolyzing Solution		
Immunoglobulin A FS	· Linearity up to 900 mg/dL, no prozone effect up to 5000 mg/dL		
Product code 1 7202*	· Wavelength 570 nm		
	Kits for respons®, kits for BioMajesty®, System kits, kits for Selectra		
***	Calibrators: TruCal Protein (five levels)		
	TruCal Protein high (one high level)		
	Control: TruLab Protein (two levels)		
Immunoglobulin E FS	· Particle enhanced immunoturbidimetric test		
Product code 1 7239*	\cdot Linearity up to 1000 IU/mL, no prozone effect up to 60000 IU/mL		
	· Wavelength 570/800 nm (bichromatic)		
	Kits for respons®, kits for BioMajesty®, System kits		
	Calibrator: TruCal IgE (five levels)		
	Control: TruLab Protein (two levels)		

IMMUNOTURBIDIMETRIC TESTS

Product				
Immunoglobulin G FS Product code 1 7212*	 Linearity up to 3500 mg/dL, no prozone effect up to 8000 mg/dL Wavelength 570 nm 			
	Kits for respons®, Kits for BioMajesty®, System kits, kits for Selectra Calibrators: TruCal Protein (five levels) TruCal Protein high (one high level) Control: TruLab Protein (two levels)			
Immunoglobulin M FS Product code 1 7222*	Linearity up to 800 mg/dL, no prozone effect up to 8000 mg/dL Wavelength 415/700 nm (bichromatic)			
	Kits for respons®, kits for BioMajesty®, System kits, kits for Selectra Calibrators: TruCal Protein (five levels) TruCal Protein high (one high level) Control: TruLab Protein (two levels)			
Lp(a) 21 FS Product code 1 7139*	Particle enhanced immunoturbidimetric test Linearity up to 110 mg/dL resp. 260 nmol/L No prozone effect up to 400 mg/dL resp. 800 nmol/L Wavelength 700 nm			
	Kits for respons®, kits for BioMajesty®, System kits Calibrator: TruCal Lp(a) 21 (five levels) Control: TruLab Lp(a) (two levels)			
Myoglobin FS Product code 17098*	 Particle enhanced immunoturbidimetric test Linearity up to 600 μg/L, no prozone effect up to 15000 μg/L Wavelength 570/800 nm (bichromatic) Kits for respons®, kits for BioMajesty®, System kits			
	Calibrator: TruCal Myoglobin (four levels) Control: TruLab Protein (two levels)			

Product			
Prealbumin FS	· Linearity up to 1.5 g/L, no prozone effect up to 2.6 g/L		
Product code 1 0292*	· Wavelength 415/800 nm (bichromatic)		
6	Kits for respons®, kits for BioMajesty®, System kits		
	Calibrators: TruCal Protein (five levels)		
	TruCal Protein high (one high level)		
	Control: TruLab Protein (two levels)		
Rheumatoid factor FS	· Linearity up to 500 IU/mL, no prozone effect up to 3000 IU/mL		
Product code 1 7022*	· Wavelength 340 nm, Hg 334 nm		
	Kits for respons®, kits for BioMajesty®, Multi-purpose kits, System kits, kits for Selectra Calibrator: TruCal RF (five levels)		
	Control: TruLab Protein (two levels)		
Transferrin FS Product code 1 7252*	 Linearity up to 800 mg/dL, no prozone effect up to 2000 mg/dL Wavelength 570 nm 		
↓ Fe)	Kits for respons®, kits for BioMajesty®, Multi-purpose kits, System kits		
	Calibrators: TruCal Protein (five levels)		
	TruCal Protein high (one high level)		
	Control: TruLab Protein (two levels)		

Product		Cat. No.	Kit size	Test per Kit
Aldolase				
Product code 17888*				
Lyohilized				
Enzymatic method		1 7888 99 10 025	1 x 100 mL	500
Serum and plasma Linearity up to 27 U/L Wavelength 340 nm		Multi-purpose kits		
Calibrator:	TruCal Aldolase	1 7888 99 10 030	3 x 1 mL	
Controls:	TruLab Serum Level 1 TruLab Serum Level 2	5 7040 99 10 005 5 7050 99 10 005	5 x 5 mL 5 x 5 mL	
G6PDH				
Product code 17900*				
· · ·				
Lyophilized		1 7900 99 10 026	1 x 20 ml	285
Beutler and All. Method Whole blood Linearity up to 3200 U/L				
Wavelength 340 nm		Multi-purpose kits		
Calibrator:	TruCal G6PDH, 2 levels	1 7900 99 10 040	2 x 0.5 mL	
Controls:	TruLab G6PDH, 3 levels	1 7900 99 10 045	3 x 0.5 mL	
Supplementary:	Red Cell Lysing Reagent	1 7900 99 10 113	4 x 25 mL	

Product		Cat. No.	Kit size	Test per Kit
Oxalate				
Product code 1 8100*				
ŏ				
Lyophilized		1 8100 99 10 025	1 x 20 mL	80
Solid		1 8100 99 10 025		
Trinder method assay Urine				
Linearity up to 2 mmol/l Wavelength 590 nm (570		Multi-purpose kits		
Calibrator:	Included in the kit			
Controls:	TruLab Oxalate Low level TruLab Oxalate High level	1 8100 99 10 045 1 8100 99 10 046	6 x 2 mL 6 x 2 mL	
Pyruvate				
Product code 1 7881* (m	nanual method)	1 7881 99 10 025	10 x 10 mL	100
Product code 17882* (automated method)		1 7882 99 10 025	5 x 20 mL	500
Lyophilized		1 7881 99 10 025	3 x 70 ml	
Enzymatic end-point tes Whole blood Linearity up to 0.46 mm	ol/L			
(4.1 mg/dL) Wavelength	340 nm	AAulti purpasa kita		
Calibrator:	Included in the kit	Multi-purpose kits		
Controls:	TruLab Substrate, Level 1 TruLab Substrate, Level 2	5 7030 99 10 006 5 7030 99 10 005	6 x 2 mL 6 x 2 mL	
Supplementary:	Perchloric Acid 8% (W/V)			

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CALIBRATORS STANDARDS CONTROLS





OPTIMALLY HARMONIZED

DiaSys offers a broad range of human matrix based calibrators for general clinical chemistry, lipid parameters, specific proteins, etc. with a variety of analytes.

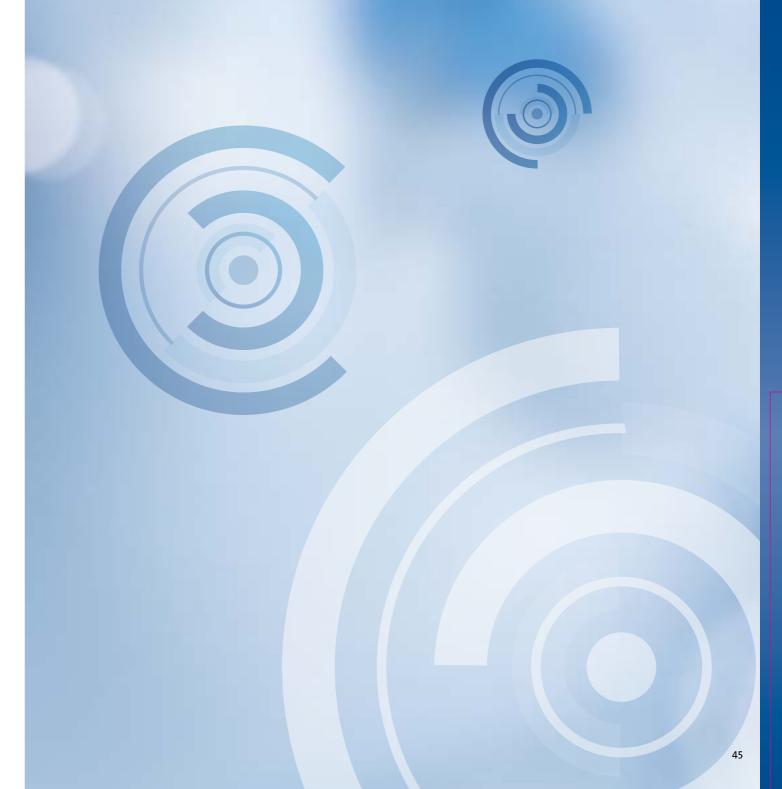
- Excellent commutability by using human serum as the matrix.
- · Values in clinically relevant ranges.
- · Outstanding analyte stability.
- · Value assignment under standardized conditions. Reliable results.
- · Clear traceability to international references.

Product		Cat. No.	Kit size
TruCal U, lyophilized Multi-calibrator for clinical chemistry ALAT, Albumin, Alkaline phosphatase, α-Amylase, ASAT, Bilirubin direct and total, Calcium, Cholesterol, Cholinesterase, CK-NAC, Creatinine, Gamma-CT, GLDH, Glucose, α-HBDH, Iron, Lactate, LDH, Lipase, Lithium, Magnesium, Pancreatic amylase, Phosphorus, Total protein, Triglycerides, UIBC, Urea, Uric acid	One level	5 9100 99 10 064 5 9100 99 10 063	6 x 3 mL 20 x 3 mL
TruCal E, liquid-stable Multi-calibrator for electrolytes Chloride, Potassium, Sodium	Four levels	1 9310 99 10 079	4 x 3 mL
TruCal Lipid, lyophilized Lipid calibrator HDL-C, LDL-C, Phospholipids, NEFA, Lp-PLA ₂	One level	1 3570 99 10 045	3 x 2 mL
TruCal Protein, liquid-stable	Five levels	5 9200 99 10 039	5 x 1 mL
TruCal Protein high, liquid-stable Protein multi-calibrator Albumin, C3c, C4, IgA, IgG, IgM, Prealbumin, Transferrin	One high level	5 9200 99 10 037	3 x 1 mL
TruCal Acetaminophen, liquid-stable	Two levels	1 5810 99 10 070	2 x 2 mL
TruCal Albumin U/CSF, liquid-stable	Five levels	1 9300 99 10 059	5 x 1 mL
TruCal Albumin U/CSF high, liquid-stable	One high level	1 9300 99 10 037	3 x 1 mL
TruCal Apo A1/B, lyophilized	One high level	1 7170 99 10 045	3 x 2 mL
TruCal ASO, liquid-stable	Five levels	1 7010 99 10 059	5 x 1 mL
TruCal CK-MB, lyophilized	One level	5 9450 99 10 074	6 x 1 mL
TruCal CRP, liquid-stable	Five levels	1 7000 99 10 039	5 x 2 mL
TruCal CRP 150, liquid-stable	One level	1 7000 99 10 036	3 x 2 mL
TruCal CRP high, liquid-stable	One high level	1 7000 99 10 037	3 x 2 mL
TruCal CRP hs, liquid-stable	Five levels	1 7080 99 10 059	5 x 1 mL
TruCal CRP U, liquid-stable	Five levels	1 7040 99 10 059	5 x 1 mL
TruCal Cystatin C, liquid-stable	Five levels	1 7150 99 10 059	5 x 1 mL
TruCal D-Dimer, lyophilized	One high level	1 7260 99 10 047	1x1mL

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CALIBRATORS

Product		Cat. No.	Kit size
TruCal Ferritin, liquid-stable	Four levels	17050 99 10 058	4 x 1 mL
TruCal Ferritin SR, liquid-stable	Five levels	17240 99 10 059	5 x 1 mL
TruCal HbA1c liquid	Four levels	1 3320 99 10 043	4 x 0.25 mL
TruCal Homocysteine, liquid-stable	Three levels	1 3400 99 10 041	3 x 1 mL
TruCal IgE, liquid-stable	Five levels	17230 99 10 059	5 x 1 mL
TruCal Lp(a) 21, lyophilized	Five levels	1 7140 99 10 059	5 x 1 mL
TruCal Myoglobin, liquid-stable	Four levels	17030 99 10 058	4 x 1 mL
TruCal RF, liquid-stable	Five levels	1 7020 99 10 059	5 x 1 mL



STANDARDS SIMPLE AND ECONOMIC · Aqueous based.

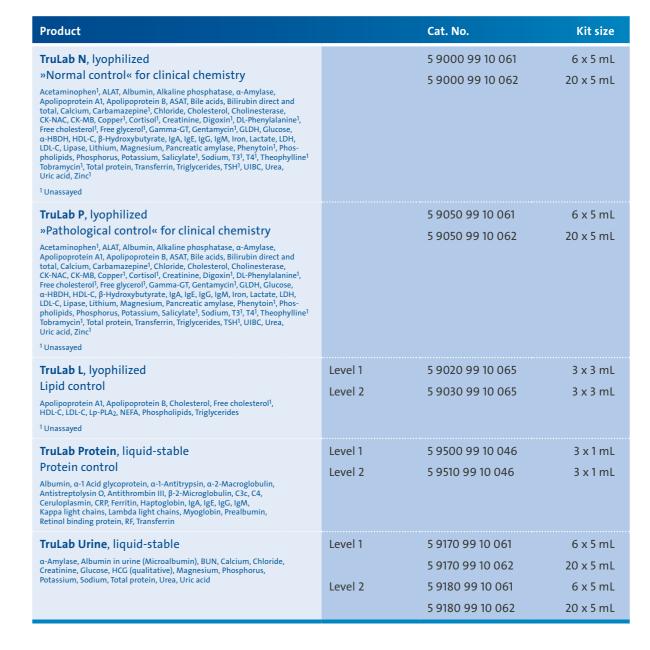
Product			Cat. No.	Kit size
Albumin Standard FS		5 g/dL	1 0200 99 10 030	6 x 3 mL
ATP Standard FS		100 μmol/dL	1 6200 99 10 065	3 x 3 mL
Bicarbonate Standard FS		30 mmol/L	1 0950 99 10 030	6 x 3 mL
Calcium Standard FS		10 mg/dL	1 1100 99 10 030	6 x 3 mL
Cholesterol Standard FS		200 mg/dL	11300 99 10 030	6 x 3 mL
Creatinine Standard FS		2 mg/dL	1 1700 99 10 030	6 x 3 mL
Ethanol Standard FS		0.5 mg/mL	1 0890 99 10 349	10 x 1 mL
		1.0 mg/mL	1 0910 99 10 349	10 x 1 mL
		2.0 mg/mL	1 0920 99 10 349	10 x 1 mL
		3.0 mg/mL	1 0930 99 10 349	10 x 1 mL
		4.0 mg/mL	1 0940 99 10 349	10 x 1 mL
Glucose Standard FS		100 mg/dL	1 2500 99 10 030	6 x 3 mL
β-Hydroxybutyrate Standard FS		1 mmol/L	1 3700 99 10 030	3 x 3 mL
Iron Standard FS		100 μg/dL	1 1900 99 10 030	6 x 3 mL
Magnesium Standard FS		2 mg/dL	1 4600 99 10 030	6 x 3 mL
NEFA Standard FS		1 mmol/L	1 5780 99 10 065	3 x 3 mL
Phosphate Standard FS		5 mg/dL	1 5210 99 10 030	6 x 3 mL
Phospholipids Standard FS		4 mmol/L	1 5740 99 10 041	3 x 1 mL
Total protein Standard FS		5 g/dL	1 2300 99 10 030	6 x 3 mL
Total protein UC Standard FS	Urine	1300 mg/L	1 0260 99 10 030	6 x 3 mL
	CSF	1100 mg/L		
Triglycerides Standard FS		200 mg/dL	1 5700 99 10 030	6 x 3 mL
Urea Standard FS		50 mg/dL	1 3100 99 10 030	6 x 3 mL
Uric acid Standard FS		6 mg/dL	1 3000 99 10 030	6 x 3 mL

- · Lot independent calibration values.
- · Excellent stability. Long shelf life.

ADDING VALUE – ASSURING QUALITY

DiaSys offers a broad range of human matrix based controls for general clinical chemistry, lipid parameters, specific proteins, urinalysis etc. with a variety of interesting analytes.

- Excellent commutability by using human serum as the matrix.
- · Values in clinically relevant ranges (normal, pathological).
- · Outstanding analyte stability.
- · Value assignment under standardized conditions. Reliable results.
- · Usable as third party control with specific values for common systems and methods.



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CONTROLS

Product		Cat. No.	Kit size
TruLab Acetaminophen, liquid-stable	Level 1	5 9370 99 10 046	3 x 1 mL
	Level 2	5 9380 99 10 046	3 x 1 mL
TruLab Albumin U/CSF, liquid-stable	Level 1	5 9710 99 10 046	3 x 1 mL
	Level 2	5 9720 99 10 046	3 x 1 mL
TruLab Bicarbonate, liquid-stable		5 9700 99 10 065	3 x 3 mL
TruLab CRP, liquid-stable	Level 1	5 9600 99 10 045	3 x 2 mL
For use with CRP FS and CRP U-hs	Level 2	5 9610 99 10 045	3 x 2 mL
TruLab CRP hs, liquid-stable	Level 1	5 9730 99 10 046	3 x 1 mL
Controls for high sensitive CRP	Level 2	5 9740 99 10 046	3 x 1 mL
TruLab Cystatin C, liquid-stable	Level 1	5 9870 99 10 046	3 x 1 mL
	Level 2	5 9880 99 10 046	3 x 1 mL
TruLab D-Dimer, lyophilized	Level 1	5 9810 99 10 073	2 x 0.5 mL
	Level 2	5 9820 99 10 073	2 x 0.5 mL
TruLab Ethanol, liquid-stable		5 0900 99 10 349	10 x 1 mL
TruLab HbA1c liquid	Level 1	5 9790 99 10 060	1 x 0.25 mL
		5 9790 99 10 074	4 x 0.25 mL
	Level 2	5 9800 99 10 060	1 x 0.25 mL
		5 9800 99 10 074	4 x 0.25 mL
TruLab Homocysteine, liquid-stable	Level 1	5 9770 99 10 046	3 x 1 mL
	Level 2	5 9780 99 10 046	3 x 1 mL
TruLab Lp(a), lyophilized	Level 1	5 9830 99 10 046	3 x 1 mL
	Level 2	5 9840 99 10 046	3 x 1 mL

SUPPLEMENTARY REAGENTS

Product	Cat. No.	Kit size
CK-MB DS Supplementary reagent for determination of CK-MB Double signal for increased sensitivity and precision	1 1690 99 10 065	3 x 3 mL
Glucose Hemolyzing Solution For use with Glucose Gluc-DH FS	1 2580 99 90 338	1 x 500 mL
• • • • • • • • • • • • • • • • • • •	1 4570 99 10 113	1 x 500 mL
HDL Precipitant Supplementary reagent for use with Cholesterol FS	1 3540 99 90 885	1 x 250 mL
LDL Precipitant Supplementary reagent for use with Cholesterol FS	1 4330 99 90 885	1 x 250 mL
Pyridoxal-5-Phosphate FS Supplementary reagent for IFCC recommended ASAT/ALAT determination	2 5010 99 10 030	6 x 3 mL

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INSTRUMENTS



respons[®]910



The Up-To-Date Solution for Newcomers in Automated Testing

- Authentic throughput of 150 tests/hour for monoreagents; 100 tests/hour for 2-component reagents
- Up to 135 tests/hour in a mix
- · Wide parameter portfolio (> 60 methods) available
- Full LIS connectivity and remote access feature (for technical support)
- · STAT sample entry at any time
- Low sample volumes: 2 30 μL
- · Almost maintenance free
- Low water consumption of < 1 liter/hour
- Fully automated HbA1c testing incl. onboard hemolysis
- · High onboard and calibration stabilities for respons® system reagents
- Highest result security

(incl. display, processor, keyboard)

		0.
Product	Cat. No.	
respons®910	960 500	
respons®910 complete	960 599	









respons[®]920

Improving Laboratory Performance

- · Real throughput of 200 clinical chemistry tests/hour plus additional 160 ISE tests
- Wide parameter portfolio (> 50 methods) available
- User friendly software supporting eight different language settings



- Highly integrated hardware solutions for superior performance
- · Sample types: Serum, plasma, urine, CFS
- · Up to 30 different methods can be loaded on a single reagent tray
- Wide measuring ranges
- · Innovative reagent container concept
- · High onboard and calibration stabilities for respons® system reagents
- · Liquid-stable, ready-to-use reagents
- · Competitive price-per-test ratio

Product	Cat. No.
respons®920	960 100
respons®920 with ISE	960 200
respons®920 complete	960 920
(incl. display, processor, keyboard)	
respons®920 with ISE complete	960 921
(incl. display, processor, keyboard)	







Maximum productivity

Total throughput: 1200 tests/hour Photometric throughput: 800 tests/hour

• ISE throughput: 600 tests/hour

- 84 positions for bar coded primary tubes
- 61 positions for refrigerated calibrators and controls
- 45 simultaneous assay measurements

Outstanding result integrity

- Clot detection
- · Liquid level sensing
- Efficient probe wash system
- · Sample probe crash protection

Advanced reagent performance

- Wide parameter panel available
- Ready to use bar coded reagents with high stability
- Automated onboard hemolysis of whole blood for HbA1c testing

Product	Cat. No.
BioMajesty® JCA-BM6010/C	980 100
BioMajesty® JCA-BM6010/C complete	980 701
(incl. display, processor, keyboard)	

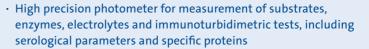






StarDust MC15

True Semi-Automated Photometer



- User friendly and easy to use
- · Fully programmable, DiaSys tests pre-programmed
- Minimum reagent volume 400 μL
- Standard filters: 340, 405, 500, 546, 578, 630 and 670 nm, free space for one additional filter
- Readings in absorbances, concentrations, kinetics, fixed time, ratio and multistandard

Product	Cat. No.
StarDust MC15 (languages EN, ES, FR)	910 103
StarDust MC15 (language RU)	910 104
StarDust MC15 (language DE)	910 106







DiaSys Quality Empowers Semi-Automation

- Precise photometer for measurement of enzymes, substrates and immunoturbidimetric tests
- Bubble purge technology to avoid interference from aspirated bubbles
- Dual mode functionality: Both cuvette and flow cell may be used
- Up to 128 programmable tests with 28 pre programmed
- Standard filters: 340, 405, 505, 546, 578, 630 nm, two free positions for extra filters
- Temperature setting between 25°C, 30°C and 37°C
- · Reading in end point, fixed time and kinetics
- · Touch screen, large LCD display

Product	Cat. No.
respons®FC+ (international)	400 495 544
respons®FC+ (India)	400 495 543



InnovaStar®

POC Convenience Combined with Laboratory Precision



Point-of-care clinical chemistry analyzer

- Measurement of HbA1c, CRP and glucose/hemoglobin from one 10 μL whole blood sample
- HbA1c results standardized according to IFCC reference method and DCCT/NGSP
- · 2.8" colored touch screen
- Excellent comparability to clinical chemistry analyzers
- Pre-calibrated methods
- Pre-filled unit dose reagents
- Fully automated measurement

Product	Cat. No.
InnovaStar®	970 100
More consumables required	





Reagent Cartridges for Determination on InnovaStar®				
⊙ ⊚ HbA1c IS	100 determinations			
CRP IS	2 7069 99 10 760 2 7069 99 10 761	100 determinations 50 determinations		
Glucose/Hemoglobin IS	1 2491 99 10 760	100 determinations		

List of accessories and dedicated controls on request.

Sensostar



Glucose / Lactate / Hemoglobin Analyzer

- Biosensor technology: Specific enzymatic reactions lead to high accuracy and excellent precision
- · Maintenance free biosensor
- Automated calibration
- Individual hematocrit correction for whole blood samples
- Slider for up to six samples
- Colored touch screen display
- EDP interface
- Simultaneous measurement of glucose and/or lactate and/or hemoglobin

Product	Cat. No.
SensoStar GLH six	920 800
More consumables required	





Biosensors for GLH six		
Sensor Glucose	920547	Sensor for glucose determination
Sensor Lactate	920548	Sensor for lactate determination
Sensor Glucose/Lactate	920550	Sensor for glucose and/or lactate determination





High Throughput Glucose / Lactate Analyzer

- Biosensor technology: High specificity and accuracy
- Excellent precision
- Automated calibration
- · Maintenance free biosensor
- Individual hematocrit correction for whole blood samples
- Sample rotor with 30 positions
- · Colour touch screen
- Integrated sample barcode reader
- Printer included
- EDP interface

Product	Cat. No.
SensoStar GL30 touch	920 118
More consumables required	





Biosensors for SensoStar GL30 touch					
Sensor Glucose/Lactate	1000 samples		Sensor for glucose and/or lactate determination		
Sensor Glucose/Lactate	3000 samples		Sensor for glucose and/or lactate determination		
Sensor Glucose/Lactate	10000 samples	920528	Sensor for glucose and/or lactate determination		





This system produces high quality of purified water for respons®910 and respons®920

- Very compact and easy to install
- · Including pressure tank
- Recommended for systems consuming up to 15 liters per hour
- · Almost maintenance free
- · Two prefiltration cartridges (5 micron filters and charcoal filters)
- · One cartridge of resin for demineralization



- · A reverse membrane
- Water purity of ≤ 0.1 μS



Product	Cat. No.
Osmoser O Mini	950 006







This system produces high quality of purified water for BioMajesty®JCA-BM6010/C

- · Very compact and easy to install
- Including pressure tank
- · Recommended for systems consuming 40 liters per hour
- Almost maintenance free
- Low water consumption



One bottle of resin for demineralization



- Double reverse membrane process
- · Water purity of ≤ 0.1 μS



Product	Cat. No.
Osmoser O Maxi	950 007

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Clinical Chemistry	Cat. No.	Tests per kit
ALAT (GPT) FS (IFCC mod.)	1 2701 99 10 920	4 x 200
Albumin FS	1 0220 99 10 923	4 x 200
Alkaline phosphatase FS IFCC 37°C	1 0441 99 10 920	4 x 200
α-Amylase CC FS	1 0501 99 10 921	4 x 120
ASAT (GOT) FS (IFCC mod.)	1 2601 99 10 920	4 x 200
Bicarbonate FS	1 0950 99 10 923	4 x 200
Bilirubin Auto Direct FS	1 0821 99 10 920	4 x 200
Bilirubin Auto Total FS	1 0811 99 10 920	4 x 200
Calcium P FS	1 1181 99 10 920	4 x 200
Chloride 21 FS	1 1221 99 10 921	4 x 50
Cholesterol FS 10'	1 1300 99 10 923	4 x 200



KITS FOR RESPONS®

Clinical Chemistry	Cat. No.	Tests per kit
Cholinesterase FS	1 1401 99 10 921	4 x 120
CK-MB FS	1 1641 99 10 921	4 x 120
CK-NAC FS	1 1601 99 10 921	4 x 120
Creatinine FS	1 1711 99 10 920	4 x 200
	1 1711 99 10 921	4 x 50
Creatinine PAP FS	1 1759 99 10 920	4 x 180
Ethanol FS*	1 0881 99 10 921	4 x 120
Gamma-GT FS (Szasz mod./IFCC stand.)	1 2801 99 10 920	4 x 200
Glucose GOD FS 10'	1 2500 99 10 923	4 x 200
Glucose Hexokinase FS	1 2511 99 10 920	4 x 200
HDL-C Immuno FS	1 3521 99 10 920	4 x 200
	1 3521 99 10 921	4 x 120
β-Hydroxybutyrate 21 FS*	1 3711 99 10 921	4 x 120
Iron FS Ferene	1 1911 99 10 921	4 x 120
Lactate FS	1 4001 99 10 921	4 x 120
LDH FS IFCC	1 4211 99 10 920	4 x 200
LDL-C Select FS	1 4121 99 10 921	4 x 120
Lipase DC FS	1 4321 99 10 921	4 x 120
Lp-PLA ₂ FS*	1 7181 99 10 922	1 x 50
Magnesium XL FS	1 4610 99 10 921	4 x 120
NEFA FS*	1 5781 99 10 921	4 x 120
Pancreatic amylase CC FS	1 0551 99 10 921	4 x 120
Phosphate FS	1 5211 99 10 920	4 x 200

KITS FOR RESPONS®

Clinical Chemistry	Cat. No.	Tests per kit
Phospholipids FS*	1 5741 99 10 921	4 x 120
Potassium FS	1 5221 99 10 921	4 x 100
Sodium FS	1 4808 99 10 921	4 x 100
Total protein FS	1 2311 99 10 920	4 x 200
Total Protein UC FS*	1 0210 99 10 921	4 x 120
Triglycerides FS 10'	1 5710 99 10 923	4 x 200
UIBC FS	1 1921 99 10 921	4 x 120
Urea FS	1 3101 99 10 920	4 x 200
Uric acid FS TOOS	1 3001 99 10 920	4 x 200

Immunoturbidimetric Tests	Cat. No.	Tests per kit
Albumin in Urine/CSF FS (Microalbumin)	1 0242 99 10 921	4 x 100
Antistreptolysin O FS	1 7012 99 10 921	4 x 100
Apolipoprotein A1 FS	1 7102 99 10 921	4 x 100
Apolipoprotein B FS	1 7112 99 10 921	4 x 100
Complement C3c FS	1 1802 99 10 921	4 x 100
Complement C4 FS	1 1812 99 10 921	4 x 100
CRP FS	1 7002 99 10 920	4 x 200
CRP U-hs	1 7045 99 10 920	4 x 100
Cystatin C FS	1 7158 99 10 921	4 x 100
	1 7158 99 10 926	2 x 100
D-Dimer FS	1 7268 99 10 921	4 x 100
	1 7268 99 10 926	1 x 100
Ferritin SR	1 7245 99 10 921	4 x 80
	1 7245 99 10 926	2 x 80
⊙ ⊕ ® HbA1c FS	1 3329 99 10 922	4 x 100
	1 3329 99 10 927	2 x 100
Immunoglobulin A FS	1 7202 99 10 921	4 x 80
Immunoglobulin E FS	1 7239 99 10 921	4 x 80
	1 7239 99 10 926	2 x 80
Immunoglobulin G FS	1 7212 99 10 921	4 x 80
Immunoglobulin M FS	1 7222 99 10 921	4 x 80
Lp(a) 21 FS	1 7139 99 10 921	4 x 100
Myoglobin FS	17098 99 10 921	4 x 100
	17098 99 10 926	2 x 100
Prealbumin FS	1 0292 99 10 921	4 x 100
Rheumatoid factor FS	17022 99 10 921	4 x 100
Transferrin FS	1 7252 99 10 921	4 x 100

respons® Containers and Chimneys	Cat. No.	Kit size
Twin large (50 mL + 20 mL)	1 8700 99 10 920	20 pcs.
Twin small (30 mL + 10 mL)	1 8700 99 10 921	20 pcs.
Mono (70 mL)	1 8700 99 10 923	20 pcs.
Chimneys	960 637	40 pcs.

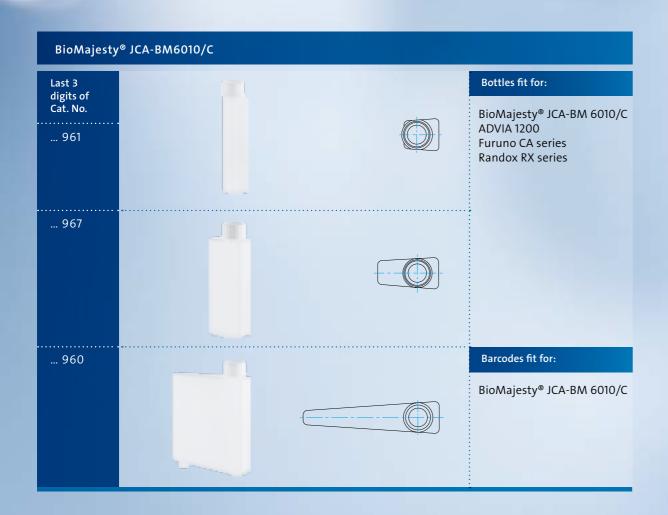
Reagents, Consumables and Replacement Electrodes for ISE	Cat. No.	Kit size
Sodium electrode	960 402	
Potassium electrode	960 403	
Chloride electrode	960 405	
Lithium electrode	960 406	
Reference electrode	960 407	
Reagent pack	960 430	
ISE Cleaning solution respons®	960 431	1 x 90 mL
ISE Urine diluent respons®	1 3 6 0 0 9 9 1 0 9 2 1	4 x 30 mL

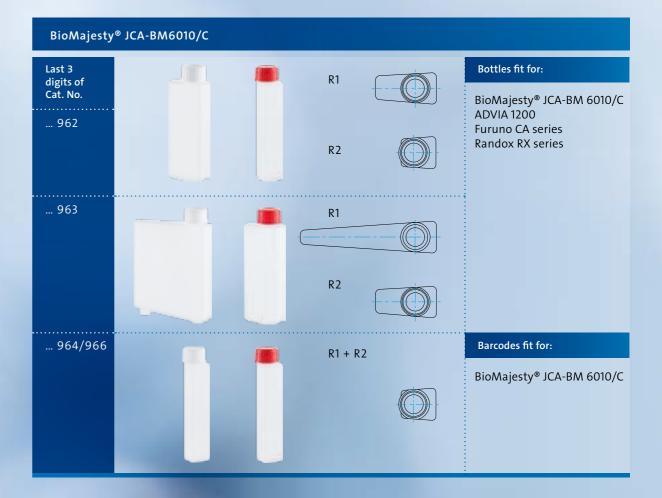
Cleaners for respons®	Cat. No.	Kit size
Cleaner A	1 8610 99 10 923	4 x 60 mL
Cleaner B	1 8650 99 10 923	4 x 60 mL
Cleaner respons®920	1 8830 99 10 885	6 x 200 mL

Cuvettes for respons®910	Cat. No.	Kit size
Box (16 packages)	960 502	16 x 240 pcs.

REAGENT KITS FOR BIOMAJESTY® JCA-BM6010/C

Details on reagent bottles and barcodes as follows:





KITS FOR BIOMAJESTY® JCA-BM6010/C

KITS FOR BIOMAJESTY®	JCA-BM6010	/C
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Clinical Chemistry	Cat. No.	Tests per kit	Tests per kit	
		R1	R2	
ALAT (GPT) FS (IFCC mod.)	1 2701 99 10 962	6 x 230	6 x 230	
Albumin FS	1 0220 99 10 967	6 x 250		
	1 0220 99 10 960	4 x 245		
Alkaline phosphatase FS IFCC 37°C	1 0441 99 10 962	6 x 220	6 x 220	
α-Amylase CC FS	1 0501 99 10 964	6 x 150	6 x 150	
ASAT (GOT) FS (IFCC mod.)	1 2601 99 10 962	6 x 230	6 x 230	
Bicarbonate FS	1 0950 99 10 961	6 x 160		
Bilirubin Auto Direct FS	1 0821 99 10 964	6 x 150	6 x 150	
Bilirubin Auto Total FS	1 0811 99 10 962	6 x 315	6 x 315	
Calcium P FS	1 1181 99 10 962	6 x 315	6 x 315	
Cholesterol FS 10'	1 1300 99 10 967	6 x 320		
	1 1300 99 10 960	4 x 530		
Cholinesterase FS	1 1401 99 10 962	6 x 315	6 x 315	
CK-MB FS	1 1641 99 10 964	6 x 150	6 x 150	
CK-NAC FS	1 1601 99 10 962	6 x 315	6 x 315	
Creatinine FS	1 1711 99 10 962	6 x 315	6 x 315	
Creatinine PAP FS	1 1759 99 10 962	6 x 340	6 x 340	
	1 1759 99 10 963	4 x 450	3 x 600	
Ethanol FS	1 0881 99 10 964	6 x 90	6 x 90	
Gamma-GT FS (Szasz mod./IFCC stand.)	1 2801 99 10 962	6 x 380	6 x 380	
	1 2801 99 10 963	4 x 570	3 x 760	
Glucose Hexokinase FS	1 2511 99 10 962	6 x 380	6 x 380	
	1 2511 99 10 963	4 x 570	3 x 760	

Clinical Chemistry	Cat. No.	Tests per kit	
		R1	R2
HDL-C Immuno FS	1 3521 99 10 962	6 x 315	6 x 315
β-Hydroxybutyrate 21 FS	1 3711 99 10 964	6 x 90	6 x 90
Iron FS Ferene	1 1911 99 10 964	6 x 150	6 x 150
Lactate FS	1 4001 99 10 964	6 x 90	6 x 90
LDH FS IFCC	1 4211 99 10 964	6 x 150	6 x 150
LDL-C Select FS	1 4121 99 10 964	6 x 150	6 x 150
Lipase DC FS	1 4321 99 10 962	6 x 315	6 x 315
Magnesium XL FS	1 4610 99 10 961	6 x 160	
NEFA FS	1 5781 99 10 964	6 x 90	6 x 90
Pancreatic amylase CC FS	1 0551 99 10 964	6 x 150	6 x 150
Phosphate FS	1 5211 99 10 962	6 x 315	6 x 315
Phospholipids FS	1 5741 99 10 964	6 x 70	6 x 70
Total protein FS	1 2311 99 10 962	6 x 315	6 x 315
Triglycerides FS 10'	1 5710 99 10 967	6 x 320	
	1 5710 99 10 960	4 x 530	
UIBC FS	1 1921 99 10 964	6 x 90	6 x 90
Urea FS	1 3101 99 10 962	6 x 380	6 x 380
	1 3101 99 10 963	4 x 570	3 x 760
Uric acid FS TOOS	1 3001 99 10 962	6 x 315	6 x 315

KITS FOR BIOMAJESTY® JCA-BM6010/C

Immunoturbidimetric Tests	Cat. No.	Tests per kit	
		R1	R2
Albumin in Urine/CSF FS (Microalbumin)	1 0242 99 10 964	6 x 100	6 x 100
Antistreptolysin O FS	1 7012 99 10 964	6 x 100	6 x 100
Apolipoprotein A1 FS	17102 99 10 966	2 x 100	2 x 100
Apolipoprotein B FS	1 7112 99 10 966	2 x 100	2 x 100
Complement C3c FS	1 1802 99 10 966	2 x 100	2 x 100
Complement C4 FS	1 1812 99 10 966	2 x 100	2 x 100
CRP FS	1 7002 99 10 962	6 x 380	6 x 380
	1 7002 99 10 963	4 x 570	3 x 760
Cystatin C FS	1 7158 99 10 966	2 x 100	2 x 100
D-Dimer FS	1 7268 99 10 966	2 x 100	2 x 100
Ferritin FS	1 7059 99 10 964	6 x 100	6 x 100
Immunoglobulin A FS	1 7202 99 10 964	6 x 90	6 x 90
Immunoglobulin E FS	1 7239 99 10 966	2 x 100	2 x 100
Immunoglobulin G FS	1 7212 99 10 964	6 x 90	6 x 90
Immunoglobulin M FS	1 7222 99 10 964	6 x 90	6 x 90
Lp(a) 21 FS	1 7139 99 10 966	2 x 100	2 x 100
Myoglobin FS	1 7098 99 10 966	2 x 100	2 x 100
Prealbumin FS	1 0292 99 10 966	2 x 100	2 x 100
Rheumatoid factor FS	1 7022 99 10 964	6 x 100	6 x 100
Transferrin FS	1 7252 99 10 964	6 x 100	6 x 100





Clinical Chemistry	Cat. No.	Kit size	
		R1	R2
ALAT (GPT) FS (IFCC mod.)	1 2701 99 10 021	5 x 20 mL	1 x 25 mL
	1 2701 99 10 026	5 x 80 mL	1 x 100 mL
	1 2701 99 10 023	1 x 800 mL	1 x 200 mL
Albumin FS	1 0220 99 10 021*	5 x 25 mL	
	1 0220 99 10 026	6 x 100 mL	
	1 0220 99 10 023	1 x 1000 mL	
Alkaline phosphatase FS DGKC	1 0401 99 10 021	5 x 20 mL	1 x 25 mL
	1 0401 99 10 026	5 x 80 mL	1 x 100 mL
	1 0401 99 10 023	1 x 800 mL	1 x 200 mL
Alkaline phosphatase FS IFCC 37°C	1 0441 99 10 021	5 x 20 mL	1 x 25 mL
	1 0441 99 10 026	5 x 80 mL	1 x 100 mL
	1 0441 99 10 023	1 x 800 mL	1 x 200 mL

Clinical Chemistry	Cat. No.	Kit size	
		R1	R2
α-Amylase CC FS	1 0501 99 10 021	5 x 20 mL	1 x 25 mL
	1 0501 99 10 026	5 x 80 mL	1 x 100 mL
	1 0501 99 10 023	1 x 800 mL	1 x 200 mL
ASAT (GOT) FS (IFCC mod.)	1 2601 99 10 021	5 x 20 mL	1 x 25 mL
	1 2601 99 10 026	5 x 80 mL	1 x 100 mL
	1 2601 99 10 023	1 x 800 mL	1 x 200 mL
ATP Hexokinase FS	1 6201 99 10 021	5 x 20 mL	1 x 25 mL
Bicarbonate FS	1 0950 99 10 021 *	5 x 25 mL	
	1 0950 99 10 026	6 x 100 mL	
Bile acids	1 2212 99 90 313	5 x 10 mL + 1 x 10 mL + 1 x 2 mL Standard	
Bilirubin Auto Direct FS	1 0821 99 10 021	5 x 20 mL	1 x 25 mL
	1 0821 99 10 026	5 x 80 mL	1 x 100 mL
	1 0821 99 10 023	1 x 800 mL	1 x 200 mL
Bilirubin Auto Total FS	1 0811 99 10 021	5 x 20 mL	1 x 25 mL
	1 0811 99 10 026	5 x 80 mL	1 x 100 mL
	1 0811 99 10 023	1 x 800 mL	1 x 200 mL
Bilirubin Jendrassik-Gróf FS	1 0849 99 90 336	1x 90 mL+1x 25 mL+	2 x 100 mL + 2 x 100 mL
Calcium AS FS	1 1130 99 10 021 *	5 x 25 mL	
	1 1130 99 10 026	6 x 100 mL	
	1 1130 99 10 023	1 x 1000 mL	
Calcium P FS	1 1181 99 10 021 *	4 x 20 mL	1 x 20 mL
	1 1181 99 10 026	5 x 80 mL	1 x 100 mL
Chloride 21 FS	1 1221 99 10 021	5 x 20 mL	1 x 25 mL

78 * 3 mL Standard included * 3 mL Standard included

Clinical Chemistry	Cat. No.	Kit size	
		R1	R2
Cholesterol FS 5'	1 1350 99 10 021 *	5 x 25 mL	
	1 1350 99 10 026	6 x 100 mL	
	1 1350 99 10 023	1 x 1000 mL	
Cholesterol FS 10'	1 1300 99 10 021 *	5 x 25 mL	
	1 1300 99 10 026	6 x 100 mL	
	1 1300 99 10 023	1 x 1000 mL	
Cholinesterase FS	1 1401 99 10 021	5 x 20 mL	1 x 25 mL
CK-MB FS	1 1641 99 10 021	5 x 20 mL	1 x 25 mL
	11641 99 10 026	5 x 80 mL	1 x 100 mL
CK-NAC FS	1 1601 99 10 021	5 x 20 mL	1 x 25 mL
	1 1601 99 10 026	5 x 80 mL	1 x 100 mL
	1 1601 99 10 023	1 x 800 mL	1 x 200 mL
Creatinine FS	1 1711 99 10 021 *	4 x 20 mL	1 x 20 mL
	1 1711 99 10 026	5 x 80 mL	1 x 100 mL
	1 1711 99 10 023	1 x 800 mL	1 x 200 mL
Creatinine PAP FS	1 1759 99 10 021 *	3 x 20 mL	2 x 15 mL
	1 1759 99 10 026	4 x 100 mL	2 x 100 mL
	1 1759 99 10 023	1 x 800 mL	1 x 400 mL
Gamma-GT FS (Szasz mod./IFCC stand.)	1 2801 99 10 021	5 x 20 mL	1 x 25 mL
	1 2801 99 10 026	5 x 80 mL	1 x 100 mL
	1 2801 99 10 023	1 x 800 mL	1 x 200 mL
GLDH FS DGKC	1 2411 99 10 021	5 x 20 mL	1 x 25 mL
Glucose Gluc-DH FS	1 2531 99 90 314	10 x 20 mL	2 x 30 mL
Glucose GOD FS 5'	1 2550 99 10 021 *	5 x 25 mL	
	1 2550 99 10 026	6 x 100 mL	
	1 2550 99 10 023	1 x 1000 mL	

Clinical Chemistry	Cat. No.	Kit size	
		R1	R2
Glucose GOD FS 10'	1 2500 99 10 021 *	5 x 25 mL	
	1 2500 99 10 026	6 x 100 mL	
	1 2500 99 10 023	1 x 1000 mL	
Glucose Hexokinase FS	1 2511 99 10 021 *	4 x 20 mL	1 x 20 mL
	1 2511 99 10 026	5 x 80 mL	1 x 100 mL
	1 2511 99 10 023	1 x 800 mL	1 x 200 mL
α-HBDH FS	1 3201 99 10 021	5 x 20 mL	1 x 25 mL
HDL-C Immuno FS	1 3521 99 10 021	5 x 20 mL	1 x 25 mL
	1 3521 99 10 026	5 x 80 mL	1 x 100 mL
	1 3521 99 10 023	1 x 800 mL	1 x 200 mL
Hemoglobin FS	2 2549 99 10 021	2 x 20 mL	2 x 20 mL
Iron FS Ferene	1 1911 99 10 021 *	4 x 20 mL	1 x 20 mL
	1 1911 99 10 026	5 x 80 mL	1 x 100 mL
	1 1911 99 10 023	1 x 800 mL	1 x 200 mL
Lactate FS	1 4001 99 10 021	5 x 20 mL	1 x 25 mL
	1 4001 99 10 023	1 x 800 mL	1 x 200 mL
LDH FS DGKC	1 4201 99 10 021	5 x 20 mL	1 x 25 mL
	1 4201 99 10 026	5 x 80 mL	1 x 100 mL
	1 4201 99 10 023	1 x 800 mL	1 x 200 mL
LDH FS IFCC	1 4211 99 10 021	5 x 20 mL	1 x 25 mL
LDL-C Select FS	1 4121 99 10 021	5 x 20 mL	1 x 25 mL
	1 4121 99 10 026	5 x 80 mL	1 x 100 mL
Lipase DC FS	1 4321 99 10 021	5 x 20 mL	1 x 25 mL
	1 4321 99 10 023	1 x 800 mL	1 x 200 mL
Magnesium XL FS	1 4610 99 10 021 *	5 x 25 mL	
	1 4610 99 10 026	6 x 100 mL	

80 * 3 mL Standard included *3 mL Standard included

Clinical Chemistry	Cat. No.	Kit size	
		R1	R2
Pancreatic amylase CC FS	1 0551 99 10 021	5 x 20 mL	1 x 25 mL
	1 0551 99 10 023	1 x 800 mL	1 x 200 mL
Phosphate FS	1 5211 99 10 021 *	4 x 20 mL	1 x 20 mL
Potassium FS	1 5221 99 10 021	5 x 20 mL	1 x 25 mL
Sodium FS	1 4808 99 10 021	5 x 15 mL	1 x 25 mL
Total protein FS	1 2311 99 10 021 *	4 x 20 mL	1 x 20 mL
	1 2311 99 10 026	5 x 80 mL	1 x 100 mL
	1 2311 99 10 023	1 x 800 mL	1 x 200 mL
Total protein UC FS	1 0210 99 10 021*	5 x 25 mL	
	1 0210 99 10 026	6 x 100 mL	
Triglycerides FS 5'	1 5760 99 10 021 *	5 x 25 mL	
	1 5760 99 10 026	6 x 100 mL	
	1 5760 99 10 023	1 x 1000 mL	
Triglycerides FS 10'	1 5710 99 10 021 *	5 x 25 mL	
	1 5710 99 10 026	6 x 100 mL	
	1 5710 99 10 023	1 x 1000 mL	
Urea FS	1 3101 99 10 021 *	4 x 20 mL	1 x 20 mL
	1 3101 99 10 026	5 x 80 mL	1 x 100 mL
	1 3101 99 10 023	1 x 800 mL	1 x 200 mL
Urea CT FS	1 3115 99 10 021 *	2 x 25 mL + 2 x 2	5 mL + 1 x 0.5 mL
	1 3115 99 10 026	3 x 100 mL + 3 x	100 mL + 2 x 1.5 mL
Uric acid FS TBHBA	1 3021 99 10 021 *	4 x 20 mL	1 x 20 mL
	1 3021 99 10 026	5 x 80 mL	1 x 100 mL
	1 3021 99 10 023	1 x 800 mL	1 x 200 mL

Clinical Chemistry	Cat. No.	Kit size	
		R1	R2
Uric acid FS TOOS	1 3001 99 10 021 *	4 x 20 mL	1 x 20 mL
	1 3001 99 10 026	5 x 80 mL	1 x 100 mL
	1 3001 99 10 023	1 x 800 mL	1 x 200 mL

Immunoturbidimetric Tests	netric Tests Cat. No. Kit size			
		R1	R2	
Albumin in Urine/CSF FS (Microalbumin)	1 0242 99 10 021	5 x 25 mL	1 x 25 mL	
	1 0242 99 10 023	1 x 1000 mL	1 x 200 mL	
Antistreptolysin O FS	1 7012 99 10 021	5 x 25 mL	1 x 25 mL	
Apolipoprotein A1 FS	1 7102 99 10 021	5 x 25 mL	1 x 25 mL	
Apolipoprotein B FS	1 7112 99 10 021	5 x 25 mL	1 x 25 mL	
CRP FS	1 7002 99 10 021	5 x 25 mL	1 x 25 mL	
	1 7002 99 10 023	1 x 1000 mL	1 x 200 mL	
Rheumatoid factor FS	1 7022 99 10 021	5 x 25 mL	1 x 25 mL	
Transferrin FS	1 7252 99 10 023	1 x 1000 mL	1 x 200 mL	

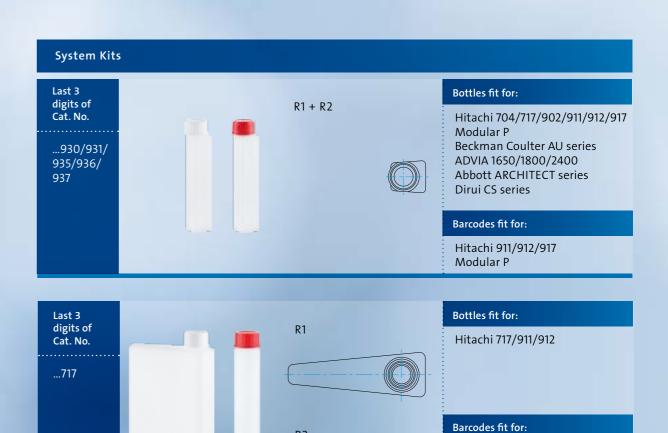
*3 mL Standard included *3 mL Standard included

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REAGENT KITS SUITABLE FOR VARIOUS CLINICAL CHEMISTRY ANALYZERS

Details on reagent bottles and bar codes as follows:





R2

Hitachi 911/912

Clinical Chemistry	Cat. No.	Kit size	
		R1	R2
Acetaminophen FS	1 5819 99 10 935	1 x 20 mL	1 x 10 mL
ALAT (GPT) FS (IFCC mod.)	1 2701 99 10 704	8 x 50 mL	8 x 12.5 mL
	1 2701 99 10 917	8 x 60 mL	8 x 15 mL
Albumin FS	1 0220 99 10 704	8 x 50 mL	
	1 0220 99 10 917	10 x 60 mL	
Alkaline phosphatase FS DGKC	1 0401 99 10 704	8 x 50 mL	8 x 12.5 mL
	1 0401 99 10 930	4 x 20 mL	2 x 10 mL
Alkaline phosphatase FS IFCC 37°C	1 0441 99 10 704	8 x 50 mL	8 x 12.5 mL
	1 0441 99 10 917	8 x 60 mL	8 x 15 mL
	1 0441 99 10 930	4 x 20 mL	2 x 10 mL
α-Amylase CC FS	1 0501 99 10 704	8 x 50 mL	8 x 12.5 mL
	1 0501 99 10 930	4 x 20 mL	2 x 10 mL
ASAT (GOT) FS (IFCC mod.)	1 2601 99 10 704	8 x 50 mL	8 x 12.5 mL
	1 2601 99 10 917	8 x 60 mL	8 x 15 mL
Bicarbonate FS	1 0950 99 10 917	10 x 60 mL	
	1 0950 99 10 930	6 x 20 mL	
Bilirubin Auto Direct FS	1 0821 99 10 704	8 x 50 mL	8 x 12.5 mL
	1 0821 99 10 930	4 x 20 mL	2 x 10 mL
Bilirubin Auto Total FS	1 0811 99 10 704	8 x 50 mL	8 x 12.5 mL
	1 0811 99 10 917	8 x 60 mL	8 x 15 mL
	1 0811 99 10 930	4 x 20 mL	2 x 10 mL
Calcium AS FS	1 1130 99 10 704	8 x 50 mL	
Calcium P FS	1 1181 99 10 704	8 x 50 mL	8 x 12.5 mL
	1 1181 99 10 917	8 x 60 mL	8 x 15 mL
Cholesterol FS 10'	1 1300 99 10 704	8 x 50 mL	
	1 1300 99 10 717	6 x 100 mL	
	1 1300 99 10 917	10 x 60 mL	

Clinical Chemistry	Cat. No.	Kit size	
		R1	R2
Cholinesterase FS	1 1401 99 10 930	4 x 20 mL	2 x 10 mL
CK-MB FS	1 1641 99 10 930	4 x 20 mL	2 x 10 mL
CK-NAC FS	1 1601 99 10 704	8 x 50 mL	8 x 12.5 mL
	1 1601 99 10 930	4 x 20 mL	2 x 10 mL
Creatinine FS	1 1711 99 10 704	8 x 50 mL	8 x 12.5 mL
	1 1711 99 10 917	8 x 60 mL	8 x 15 mL
Creatinine PAP FS	1 1759 99 10 704	8 x 40 mL	8 x 20 mL
	1 1759 99 10 917	8 x 30 mL	8 x 15 mL
Ethanol FS	1 0881 99 10 930	4 x 20 mL	2 x 10 mL
Gamma-GT FS (Szasz mod./IFCC stand.)	1 2801 99 10 704	8 x 50 mL	8 x 12.5 mL
	1 2801 99 10 917	8 x 60 mL	8 x 15 mL
	1 2801 99 10 930	4 x 20 mL	2 x 10 mL
GLDH FS DGKC	1 2411 99 10 930	4 x 20 mL	2 x 10 mL
Glucose GOD FS 10'	1 2500 99 10 704	8 x 50 mL	
	1 2500 99 10 717	6 x 100 mL	
	1 2500 99 10 917	10 x 60 mL	
Glucose Hexokinase FS	1 2511 99 10 704	8 x 50 mL	8 x 12.5 mL
	1 2511 99 10 917	8 x 60 mL	8 x 15 mL
HDL-C Immuno FS	1 3521 99 10 704	8 x 50 mL	8 x 12.5 mL
	1 3521 99 10 917	8 x 60 mL	8 x 15 mL
	1 3521 99 10 930	4 x 20 mL	2 x 10 mL
Homocysteine FS	1 3409 99 10 930	4 x 12.5 mL + 1 x 8 m	L+1x6mL
β-Hydroxybutyrate 21 FS	1 3711 99 10 930	4 x 20 mL	2 x 10 mL

Clinical Chemistry	Cat. No.	Kit size	
		R1	R2
Iron FS Ferene	1 1911 99 10 704	8 x 50 mL	8 x 12.5 mL
	1 1911 99 10 930	4 x 20 mL	2 x 10 mL
	1 1911 99 10 917	8 x 60 mL	8 x 15 mL
Lactate FS	1 4001 99 10 930	4 x 20 mL	2 x 10 mL
LDH FS DGKC	1 4201 99 10 704	8 x 50 mL	8 x 12.5 mL
	1 4201 99 10 917	8 x 60 mL	8 x 15 mL
LDH FS IFCC	1 4211 99 10 704	8 x 50 mL	8 x 12.5 mL
	1 4211 99 10 930	4 x 20 mL	2 x 10 mL
LDL-C Select FS	1 4121 99 10 930	4 x 20 mL	2 x 10 mL
	1 4121 99 10 917	8 x 60 mL	8 x 15 mL
Lipase DC FS	1 4321 99 10 930	4 x 20 mL	2 x 10 mL
Lp-PLA ₂ FS	1 7181 99 10 936	1 x 20 mL + 1 x 4.75 m	L + 1 x 0.25 mL
	1 7181 99 10 937	1 x 10 mL + 1 x 3.8 mL	+1 x 0.2 mL
Magnesium XL FS	1 4610 99 10 704	8 x 50 mL	
	1 4610 99 10 930	6 x 20 mL	
NEFA FS	1 5781 99 10 935	2 x 20 mL	1 x 10 mL
Pancreatic amylase CC FS	1 0551 99 10 930	4 x 20 mL	2 x 10 mL
Phosphate FS	1 5211 99 10 704	8 x 50 mL	8 x 12.5 mL
	1 5211 99 10 930	4 x 20 mL	2 x 10 mL
Phospholipids FS	1 5741 99 10 930	4 x 20 mL	2 x 10 mL
Total protein FS	1 2311 99 10 704	8 x 50 mL	8 x 12.5 mL
	1 2311 99 10 917	8 x 60 mL	8 x 15 mL
Total protein UC FS	1 0210 99 10 930	6 x 20 mL	

Clinical Chemistry	Cat. No.	Kit size	
		R1	R2
Triglycerides FS 10'	1 5710 99 10 704	8 x 50 mL	
	1 5710 99 10 717	6 x 100 mL	
	1 5710 99 10 917	10 x 60 mL	
UIBC FS	1 1921 99 10 930	4 x 20 mL	2 x 10 mL
Urea FS	1 3101 99 10 704	8 x 50 mL	8 x 12.5 mL
	1 3101 99 10 917	8 x 60 mL	8 x 15 mL
Uric acid FS TBHBA	1 3021 99 10 704	8 x 50 mL	8 x 12.5 mL
Uric acid FS TOOS	1 3001 99 10 704	8 x 50 mL	8 x 12.5 mL
	1 3001 99 10 917	8 x 60 mL	8 x 15 mL

Immunoturbidimetric Tests	Cat. No.	Kit size	
		R1	R2
Albumin in Urine/CSF FS (Microalbumin)	1 0242 99 10 930	4 x 20 mL	2 x 8 mL
	1 0242 99 10 935	2 x 20 mL	1 x 8 mL
Antistreptolysin O FS	1 7012 99 10 930	4 x 20 mL	2 x 8 mL
	1 7012 99 10 935	2 x 20 mL	1 x 8 mL
Apolipoprotein A1 FS	1 7102 99 10 930	4 x 20 mL	2 x 8 mL
	1 7102 99 10 935	2 x 20 mL	1 x 8 mL
Apolipoprotein B FS	1 7112 99 10 930	4 x 20 mL	2 x 8 mL
	1 7112 99 10 935	2 x 20 mL	1 x 8 mL
Complement C3c FS	1 1802 99 10 930	4 x 20 mL	2 x 8 mL
	1 1802 99 10 935	2 x 20 mL	1 x 8 mL
Complement C4 FS	1 1812 99 10 930	4 x 20 mL	2 x 8 mL
	1 1812 99 10 935	2 x 20 mL	1 x 8 mL

SYSTEM KITS

Immunoturbidimetric Tests	Cat. No.	Kit size	
		R1	R2
CRP FS	1 7002 99 10 704	8 x 50 mL	8 x 10 mL
	1 7002 99 10 917	8 x 60 mL	8 x 12 mL
	17002 99 10 930	4 x 20 mL	2 x 8 mL
	1 7002 99 10 935	2 x 20 mL	1 x 8 mL
CRP U-hs	1 7045 99 10 930	3 x 20 mL	3 x 20 mL
Cystatin C FS	1 7158 99 10 930	4 x 12 mL	2 x 8 mL
D-Dimer FS	1 7268 99 10 935	2 x 12 mL	1 x 8 mL
Ferritin FS	1 7059 99 10 930	3 x 20 mL	3 x 10 mL
	1 7059 99 10 935	1 x 20 mL	1 x 10 mL
⊙ ⊙© HbA1c FS	1 3329 99 10 930	3 x 20 mL + 2 x 10 mL	. + 1 x 10 mL
	1 3329 99 10 935	2 x 15 mL + 1 x 10 mL + 1 x 5 mL	
Immunoglobulin A FS	1 7202 99 10 930	4 x 20 mL	2 x 8 mL
	1 7202 99 10 935	2 x 20 mL	1 x 8 mL
Immunoglobulin E FS	1 7239 99 10 930	2 x 20 mL	2 x 10 mL
Immunoglobulin G FS	1 7212 99 10 930	4 x 20 mL	2 x 8 mL
	1 7212 99 10 935	2 x 20 mL	1 x 8 mL
Immunoglobulin M FS	1 7222 99 10 930	4 x 20 mL	2 x 8 mL
	1 7222 99 10 935	2 x 20 mL	1 x 8 mL
Lp(a) 21 FS	1 7139 99 10 930	2 x 20 mL	2 x 10 mL
	1 7139 99 10 931	3 x 20 mL	3 x 10 mL
Myoglobin FS	1 7098 99 10 935	2 x 12 mL	1 x 8 mL
Prealbumin FS	1 0292 99 10 935	2 x 20 mL	1 x 8 mL
Rheumatoid factor FS	1 7022 99 10 930	4 x 20 mL	2 x 8 mL
	1 7022 99 10 935	2 x 20 mL	1 x 8 mL
Transferrin FS	1 7252 99 10 930	4 x 20 mL	2 x 8 mL
	1 7252 99 10 935	2 x 20 mL	1 x 8 mL



Clinical Chemistry	Chemistry Cat. No. Kit size		
		R1	R2
ALAT (GPT) FS (IFCC mod.)	1 2701 99 90 314	10 x 20 mL	2 x 30 mL
Albumin FS	1 0220 99 90 314	12 x 25 mL	
Alkaline phosphatase FS DGKC	1 0401 99 90 314	10 x 20 mL	2 x 30 mL
Alkaline phosphatase FS IFCC 37°C	1 0441 99 90 314	10 x 20 mL	2 x 30 mL
ASAT (GOT) FS (IFCC mod.)	1 2601 99 90 314	10 x 20 mL	2 x 30 mL
Bile acids	1 2212 99 90 313	5 x 10 mL + 1 x 10 mL	. + 1 x 2 mL Standard
Bilirubin Auto Total FS	1 0811 99 90 314	10 x 20 mL	2 x 30 mL
Bilirubin Jendrassik-Gróf FS	1 0849 99 90 336	1x 90 mL + 1x 25 mL +	+ 2 x 100 mL + 2 x 100 mL
Cholesterol FS 10'	1 1300 99 90 314	12 x 25 mL	

KITS FOR SELECTRA SYSTEMS

Clinical Chemistry	Cat. No.	Kit size	
		R1	R2
Cholinesterase FS	1 1401 99 90 314	10 x 20 mL	2 x 30 mL
CK-NAC FS	116019990305	10 x 12 mL	2 x 20 mL
Creatinine FS	1 1711 99 90 314	10 x 20 mL	2 x 30 mL
Creatinine PAP FS	1 1759 99 90 314	8 x 25 mL	4 x 25 mL
Gamma-GT FS (Szasz mod./IFCC stand.)	1 2801 99 90 314	10 x 20 mL	2 x 30 mL
GLDH FS DGKC	1 2411 99 90 314	10 x 20 mL	2 x 30 mL
Glucose Gluc-DH FS	1 2531 99 90 314	10 x 20 mL	2 x 30 mL
Iron FS Ferene	1 1911 99 90 314	10 x 20 mL	2 x 30 mL
LDH FS DGKC	1 4201 99 90 305	10 x 12 mL	2 x 20 mL
LDH FS IFCC	1 4211 99 90 305	10 x 12 mL	2 x 20 mL
Magnesium XL FS	1 4610 99 90 314	12 x 25 mL	
Phosphate FS	1 5211 99 90 314	10 x 20 mL	2 x 30 mL
Total protein FS	1 2311 99 90 314	10 x 20 mL	2 x 30 mL
Triglycerides FS 5'	1 5760 99 90 314	12 x 25 mL	
Urea FS	1 3101 99 90 314	10 x 20 mL	2 x 30 mL
Urea CT FS	1 3115 99 90 305	6 x 25 mL + 6 x 25 r	nL + 1 x 1.5 mL
Uric acid FS TBHBA	1 3021 99 90 314	10 x 20 mL	2 x 30 mL

KITS FOR SELECTRA SYSTEMS

Immunoturbidimetric Tests	Cat. No.	Kit size			
		R1	R2		
Albumin in Urine/CSF FS (Microalbumin)	1 0242 99 90 309	4 x 20 mL	2 x 8 mL 2 x 25 mL 3 x 10 mL		
CRP FS	1 7002 99 90 314	10 x 20 mL			
Ferritin FS	17059 99 90 309	3 x 20 mL			
⊙ ⊕ HbA1c FS	1 3329 99 90 380	2 x 15 mL + 1 x 10 m	L + 1 x 5 mL		
Immunoglobulin A FS	17202 99 90 309	4 x 20 mL	2 x 8 mL 2 x 8 mL		
Immunoglobulin G FS	17212 99 90 309	4 x 20 mL			
Immunoglobulin M FS	17222 99 90 309	4 x 20 mL	2 x 8 mL		
Rheumatoid factor FS	17022 99 90 309	4 x 20 mL	2 x 8 mL		

Selectra Accessories	Cat. No.	Kit size
Cleaner 14, alkaline cleaning solution	1 8620 99 90 338	500 mL
Selectra vials 10 mL	1 8700 99 90 363	50 pcs.
Selectra vials 25 mL	1 8700 99 90 364	30 pcs.
System solution Selectra	1 4560 99 90 339	1000 mL



DIASYS CATALOG NUMBERS AND HOW TO READ THEM

Digits 1 to 5 characterize the reagent including method and composition of reagent

Last three digits characterize the kit format including purpose (multi-purpose or system dedicated) and reagent volumes/determinations per kit

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EXAMPLE



EXAMPLE



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	Phospholipids Standard FS	47	TruCal CRP	43	TruLab Homocysteine	50
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GENERAL CONDITIONS OF DELIVERY 12/2017

1. General

- 1.1. These General Conditions of Delivery 12/2017 ("Conditions") apply to all orders, deliveries and sales to buyers being entrepreneurs within the meaning of Section 14 BGB [German Civil Code] ("Buyer").
- 1.2. All deliveries and services provided by DiaSys Diagnostic Systems GmbH ("Supplier") are subject to these Conditions. The Supplier hereby contradicts any terms and conditions of the Buyer contrary or supplemental to these Conditions. Any contrary or supplemental conditions of purchase by the Buyer shall not become part of the contract unless specifically agreed upon by the Supplier in writing. This explicit written agreement requirement also applies, in particular, if the Supplier delivers to the Buyer without any reservations and being fully aware of the Buyer's purchasing terms.
- 1.3. In the case of deviations between these Conditions and possible separate contractual agreements between the Supplier and the Buyer in the context of a separately concluded purchase agreement, the provisions of the purchase agreement shall prevail.
- 1.4. References to legal requirements are only made for the avoidance of doubt. All legal requirements apply even in the absence of such clarifications, provided these legal requirements are not specifically amended or excluded by these Conditions.

2. Offer and Acceptance

- **2.1.** All quotations made by the Supplier are made without obligation, provided they are not specifically characterized as binding.
- 2.2. The Buyer's order shall be deemed a binding offer of contract. In the absence of any provisions to the contrary on the order form, the Supplier may accept the offer within 14 days of receipt.
- **2.3.** The Supplier may confirm acceptance either in writing by issuing an order confirmation in writing or by delivering the goods to the Buyer.

2.4. The purchase order and the order confirmation of the Supplier are decisive for the content and scope of a purchase agreement. Supplementary agreements shall only be effective if they are expressly confirmed in writing by the Supplier for the individual order.

3. Deadlines and Dates

- 3.1. Any delivery dates provided by the Supplier shall be deemed as approximate, unless the Supplier has specifically guaranteed a fixed deadline or date. The delivery periods agreed upon commence on the date of the order confirmation.
- **3.2.** Delivery dates and/or deadlines shall be deemed to have been adhered to with timely notification of the dispatching of the goods. If the parties have agreed upon shipment, the delivery periods and dates refer to the date on which the goods are handed over to the shipper, freight carrier or other third parties used for transportation.
- **3.3.** If the parties have agreed that the Buyer collects the goods himself or by a freight forwarder, freight carrier or other third parties commissioned to transport, the Buyer is obligated to immediately call up and collect the goods declared ready for dispatch. If this does not happen, the Buyer is in default of acceptance.

4. Prices

4.1. Unless otherwise agreed upon in writing, all prices stated by the Supplier are ex works including packaging and loading, plus VAT at the applicable rate. The Buyer shall be liable for any other charges, including freight charges, taxes, duties, or other costs associated with the delivery. The Buyer shall also be liable for any costs relating to the transfer or registration of the goods in the destination country of the goods.

Additional packaging and labelling costs required for shipments of hazardous goods are subject to an adequate surcharge. The minimum surcharge is EUR 50.00 per shipment.

- 4.2. Prices in catalogues, price lists or comparable documents are free and non-binding. The prices are based on the Supplier's price list valid upon the date of conclusion of the contract. If the parties have agreed on a delivery date which is more than four months from the contract conclusion date, and if the Supplier's production costs have changed within that period, the Supplier is entitled to adjust the prices agreed upon accordingly as far as the price adjustment is based on circumstances beyond the control of the Supplier, this price adjustment was not already foreseeable at the time of the respective conclusion of the contract between the Supplier and the Buyer for the order and the increase is reasonable. Circumstances beyond the control of the Supplier means, in particular, changes of (i) custom duties, taxes or duties; (ii) material, wage, non-wage labour, financing or manufacturing costs; (iii) transportation costs; or (iv) any fees charged by the Supplier for third parties involved in the service provision. The Buyer is entitled to withdraw from the contract if the adjusted price exceeds the price originally agreed upon by more than 5%; this right can only be declared to the Supplier in written form immediately after notification of the price adjustment.
- **4.3.** Each order shall have a minimum value of EUR 1,500.00. Orders below this value are subject to a surcharge of EUR 150.00.

5. Delivery

5.1. Provided no provisions to the contrary were agreed, deliveries are made ex works Supplier's factory from Holzheim, Germany, which is also the place of fulfilment. The place of fulfilment is also the Supplier's factory, if delivery freight paid was agreed upon. If requested by the Buyer, the goods shall be shipped to a different destination (drop shipment). If not agreed upon otherwise, the Supplier shall be entitled to select the shipment method (in particular, shipping companies, type of dispatch, packaging).

- **5.2.** The risk of accidental damage or theft is transferred, at the latest, when the goods are handed over to the Buyer. In the event of drop shipments, the risk of accidental damage or theft, as well as the risk of delays, is transferred to the Buyer at the time the goods are handed over to the shipping company charged with the shipping of the goods. In case the shipment is delayed for reasons the Buyer is responsible for, the risk shall be transferred to the Buyer at the time the goods are ready for shipment.
- **5.3.** If the ordered goods are not in stock in the desired quantities, the Supplier is entitled in consultation with the Buyer to provide the Buyer with partial and subsequent deliveries if reasonable.
- **5.4.** If an ordered product is not available because the Supplier has not been supplied by his subcontractor under no fault of the Supplier although the subcontractor is contractually obliged, the delivery time may be extended. The Supplier shall inform the Buyer promptly thereto.

6. Payment

- **6.1.** Invoices shall be due and payable without any deduction within 30 days after date of invoice. Payments shall be deemed as having been rendered on the date on which the amount is at the Supplier's disposal. For payments received within 14 days of the date of invoice, the Supplier shall allow a discount of 1.5% on the amount paid, unless there are still older invoices to be paid.
- **6.2.** Unless otherwise agreed in writing, payments shall be made in euros.
- **6.3.** The Buyer shall be deemed in default after the 30-day terms of payment provided for in Section 6.1 and receipt of an invoice. The purchase price is subject to a valid default interest in the amount of nine percentage points above the base interest rate. In addition, the Supplier is entitled to a lump sum of EUR 40.00 in the case of the Buyer's default. The

Supplier reserves the right to assert further default damages.

6.4. The Buyer is only entitled to set withhold payments off if its counterclaims are uncontested or were found to be legally valid. A right of retention of the Buyer is excluded unless the Buyer's counterclaim comes from the same contractual relationship and is undisputed or established as legally binding.

7. Claims and Warranties

7.1. The statutory provisions shall apply to material and legal defects in the delivery, unless otherwise stipulated in the following.

7.2. The Buyer's claims for defects require that

- the Buyer has complied with his legal inspection and notification duties (Sections 377, 381 HGB [German Commercial Code]). If a defect is found during the inspection or at a later date, the Supplier shall be notified without delay in writing. Transport damages must be reported immediately to the forwarder at the time of delivery and must be noted on the delivery note. The notification is considered as having been issued without delay if sent within a period of one week; the time requirements shall be deemed as fulfilled if the notification was mailed during this period of time. Regardless of this inspection and notification obligation, the Buyer shall inform the Supplier of all obvious defects (including incorrectly shipped goods, wrong deliveries or wrong quantities) within one week upon receipt of the goods in writing. In such case, the notification is also considered as having been issued in good time if it is issued within a period of one week; the time requirements shall be deemed as fulfilled if the notification was mailed during this period of time. If the Buyer does not inspect the shipment or notify the Supplier in a timely manner, the Supplier shall not be liable for the respective defect. This provision does not apply in the event the Supplier fraudulently concealed the defect.
- **7.3.** If requested by the Supplier, the Buyer shall return the respective item to the Supplier

- at his own expense. If it is found that the Buyer's claim was valid, the Supplier shall reimburse the Buyer for the costs of the most cost-effective shipping method. This does not apply, if the shipping costs were higher, because the item was at a location other than the location of its intended use. In this case, the Supplier shall reimburse the Buyer only for the cost of the most cost-effective shipping method from the location of intended use to the Supplier.
- 7.4. The Supplier shall, at his own discretion, either repair the defective goods free of charge or replace them.
- 7.5. To protect himself against unreasonably high damages or if the Supplier is in default with remediating the defect, the Buyer shall be entitled to repair the defect himself or to have it repaired by third parties, and to require the Supplier to reimburse him for the required expenses. In this event, the Buyer shall notify the Supplier in writing immediately, if possible, in advance.
- 7.6. The Buyer shall be entitled to withdraw from a purchase contract within the framework of the statutory provisions if the supplementary performance has finally failed, the Supplier has allowed a reasonable deadline for the repair or the replacement to expire fruitlessly or such deadline was not necessary according to the statutory provisions. If there is only a minor defect, the Buyer is only entitled to a price reduction. Otherwise, the right to price reduction is excluded. This does not apply if the Supplier has maliciously concealed the defect or has assumed a guarantee.

8. Force Majeure

The Supplier is not liable for the non-fulfilment or the delayed delivery of obligations arising from the purchase contract, if this is based on events which are beyond the Supplier's reasonable sphere of influence and the Supplier is not responsible for them, such as illegal strikes, disturbances, insurrections, fires, floods, storms, explosions, natural events, war, terrorism or earthquakes ("Force Majeure"). This does not apply if the Supplier has assumed a guarantee. In the event of Force Majeure, the Supplier shall be released from his obligation to perform for the duration of the event, provided the Supplier continues to make reasonable economic efforts to provide the service. The Supplier shall be entitled to withdraw from a purchase contract if the event constituting Force Majeure lasts longer than 30 days.

9. Liability

- **9.1.** The Supplier's liability with regard to damages is, regardless of their legal grounds, limited by the following provisions:
- 9.2. In the event of gross negligence, liability is limited to the typically foreseeable damages at the point of time the contract has been concluded. However, the above limitation of liability shall not apply insofar as damages are caused by the Supplier itself (i.e. by the legal representatives of the Supplier), by senior management employees of the Supplier or by vicarious agents or by a serious organizational fault of the Supplier. Furthermore, the above limitation of liability shall not apply in case of a breach of the contractual duties due to gross negligence if (i) the fulfilment of the contractual obligations enables the proper execution of the contract at all, (ii) the breach of these contractual obligations jeopardizes the achievement of the purpose of the contract and (iii) on whose fulfilment the other contracting party may ordinarily rely ("Essential Contractual Obligation").
- **9.3.** In the case of simple negligence, the Supplier shall only be liable for the violation of Essential Contractual Obligations. In the event of breach of an Essential Contractual Obligation, liability shall be limited to such damages which must typically be expected in the course of the transfer of the goods.
- **9.4.** The Supplier shall be liable in the event of (i) intent, (ii) claims under the Product Liability Act, (iii) fraudulent non-disclosure of a defect,

(iv) assumption of a quality guarantee and (v) in the event of injury to life, body or health in accordance with the respective statutory provisions, without the liability limitations in accordance with Sections 9.2 and 9.3 above intervening. The above shall apply mutatis mutandis to actions of a vicarious agent of the Supplier.

10. Statute of Limitations

- 10.1. The statute of limitations for warranty claims and the Buyer's contractual and non-contractual claims for damages based on defective goods is 12 months upon delivery or, if acceptance is required, upon acceptance. This provision shall not apply if the application of the normal legal period of limitation would result in a shorter period of limitations. In this case, the legal statute of limitations applies.
- **10.2.** Notwithstanding Section 9.1, the respective legal period of limitation shall apply in case the Supplier fraudulently concealed the defect (Section 438, para. 3 BGB).
- **10.3.** With regard to all other Buyer claims for damages, for which the Supplier shall be liable as per Section 9, only the legal statutes of limitations shall apply.
- **10.4.** The statutes of limitations of the product liability laws shall not in any case be affected and are not limited by this Section 10.

11. Order Cancellations/Returns

In the absence of any legal or contractual reasons to withdraw from or contest an order, the Buyer shall only be entitled to cancel orders or to return merchandise after having obtained the Supplier's respective written approval in advance. The Supplier shall not be obligated to give his approval. If the Supplier approves of the cancellation or return, the Supplier shall be entitled to charge the Buyer for all additional reasonable costs incurred by the cancellation and return.

12. Retention of Title

12.1. The Supplier retains title to the goods

until the Buyer has paid the purchase price for the respective goods in full (fulfilled). This retention of title also applies to all other outstanding claims arising from the business relationship with the Buyer, i.e. the Supplier retains title to the goods until all his claims arising from the business relationship with the Buyer have been settled, including all current account balance claims. The Buyer must treat the reserved goods with care.

- **12.2.** Any processing or transformation carried out by the Buyer on goods the title of which is retained is carried out on behalf and for the account of the Supplier. If these goods are processed together with other items to which the Supplier is not entitled, the Supplier acquires joint ownership of the new goods in proportion to the ratio between the value of goods the title of which was retained (final invoice amount including VAT) and the other processed items at the time they were processed. If these goods are mixed or joined together with other items to which the Supplier is not entitled in a manner that makes it impossible to separate them, the Supplier acquires joint ownership of new goods in proportion to the ratio between the value of goods the title of which was retained (final invoice amount including VAT) and the other mixed or joined items at the time they were mixed or joined. If these goods are joined or mixed so that the Buyer's goods should be considered to be the main component element, the Buyer and the Supplier agree in advance that the Buyer shall assign the prorated joint ownership to this object to the Supplier. The Supplier accepts this assignment. The Buyer shall safeguard the resulting sole or joint ownership in an object on behalf of the Supplier. Objects that are the result of processing, joining, or mixing are subject to the same provisions as goods subject to retention of title.
- 12.3. In the event the Buyer violates the contract, and in particular, if the Buyer is late in making a particular payment, the Supplier shall be entitled to take back these goods after having first extended an appropriate grace

period. The Buyer shall be responsible for any shipping costs incurred for the return of the goods. The recovery of these goods through the Supplier constitutes a withdrawal from the contract. The Supplier shall be entitled to liquidate these goods. The proceeds from the liquidation are offset against the amounts owed to the Supplier by the Buyer, after the Supplier has subtracted a reasonable amount for the liquidation costs.

- 12.4. The Buyer may use the goods subject to retention of title and resell these within the course of normal business, provided he is not in default of payment. If the goods are not paid for immediately, the Buyer is obliged to resell the goods only under retention of title. For safeguarding reasons, the Buyer fully assigns all its compensation claims against buyers involved in the resale of such good and all its claims based on other legal grounds against third parties (in particular claims due to illegal acts and receivables from insurances) and including all outstanding balance claims from current business to the Supplier. The Supplier accepts this assignment.
- 12.5. The Buyer may collect these receivables assigned to the Supplier at his own expense, provided the Supplier does not revoke this authorization. The Suppliers right to collect these receivables himself shall not be affected; the Supplier shall, however, not assert these rights and shall not revoke his collection authorization as long as the Buyer duly complies with his payment obligations.
- 12.6. The Buyer shall not assign the receivables assigned to the Supplier to a third party (factor) in order for the third party to collect the receivables from the debtors by way of factoring, unless the Buyer irrevocably obligates the third party (factor) to render the payment directly to the Supplier, as long as the Buyer still owes the Supplier.
- 12.7. If the Buyer violates the contract, and especially if the Buyer is in default with a compensation payment, the Supplier may request the Buyer to inform him of all assigned

receivables and the respective debtors, to inform the debtors of the assignment, and to provide the Supplier with all documents and information required to assert the claims.

- 12.8. If so requested by the Buyer, the Supplier shall be obligated to release collateral to which he is entitled if:
- a) with regard to goods provided as collateral, their estimated value, i.e. their estimated market value at the time the release is requested, or alternatively, its purchase or manufacturing price, and
- b) with regard to claims provided as collateral, their nominal value exceeds the amount of unpaid receivables to be paid by the Buyer by more than 50%.

The Supplier shall be entitled to select the collateral to be released.

- 12.9. If the goods subject to retention of title are seized by third parties or if third parties gain access to these goods in another manner, the Buyer shall inform the third party that these goods are owned by the Supplier, and shall immediately inform the Supplier of such seizures or other type of access in writing and shall take all measures necessary to safeguard the rights of the Supplier.
- 12.10. If the goods subject to retention of title are seized by a third party or if a third party gains access to these goods in another manner, and if the Supplier asserts or enforces its ownership vis-a-vis the third party, the Buyer shall be obligated to reimburse the Supplier for the legal or extrajudicial expenses incurred for the assertion of its property rights, insofar as the third party does not pay for them.

13. Severability Clause

13.1. Should one or more provisions of these Conditions be or become invalid, the validity of the remaining provisions shall not be affected thereby.

13.2. An ineffective provision or loophole in these Conditions shall be replaced by a valid provision which the contracting parties would have agreed upon in accordance with the economic objectives of the contract and the purpose of these Conditions if they had been aware of the loophole or ineffectiveness of a clause.

14. Applicable Law; Jurisdiction

- **14.1.** The laws of the Federal Republic of Germany apply with the exclusion of the UN Convention on Contracts for the International Sale of Goods (CISG).
- **14.2.** Exclusive place of jurisdiction for legal action by the Buyer is Frankfurt am Main. The Supplier is entitled to bring legal action against the Buyer both in Frankfurt am Main and at any other competent court.

15. Miscellaneous

- **15.1.** Deviating agreements to these Conditions as well as deviations from this clause must be made in writing. The transmission by fax is sufficient for compliance with the written form
- **15.2.** The assignment of the rights and/or the transfer of the Buyer's obligations under the contract with the Supplier shall require the prior written consent of the Supplier.



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Handed over by:







