



بأغفار BAGHAFFAR

Abdullah A. Baghaffar Sons Co., Ltd.
Medical supplies • Laboratory Diagnostics

شركة أبناء عبد الله بأغفار المحدودة
لوازم طبية • كواشف مخبرية



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HUMA STAR 600



CLINICAL CHEMISTRY

- REAGENTS AND CONTROLS
- INSTRUMENTS & ANALYZERS



HUMA STAR 300



NEW

HUMA STAR 200



HUMA STAR 150SR



NEW

HUMA STAR 100



CLINICAL CHEMISTRY

REAGENTS AND CONTROLS

FOR ALL TYPES OF ANALYZERS AND PHOTOMETERS

Multipurpose Reagents



HUMAN's multipurpose clinical chemistry assays for manual and automated testing use a variety of technologies for detection and quantitation. The assay range comprises enzymes, substrates, and electrolyte assays with high precision and long stability.

Calibrators and controls with defined reference ranges and values are available.

The "Complete Test Kits" contain the reagents as well as the necessary standards and/or calibrators, whereas "Reagent Kits" contain just the reagents. Autocal can be used for calibration of the enzymatic assays on clinical-chemistry analyzers and systems ranging from the AutoHumalyzer and HumaStar series.

HumaLyzer Photometer



HumaLyzer 3000

Compact semi-automated clinical chemistry analyzers are perfectly suited for small laboratories and as back-up solutions. Each analyzer offers different features for different requirements.



HumaMeter A1c

HumaLyte ISE-System



Direct ISE technology offers easy handling, economical testing of a variety of ISE parameters and requires only minimal maintenance. HUMAN's HumaLyte systems are ideal for all kinds of laboratories.

CLINICAL CHEMISTRY

REAGENTS AND CONTROLS

FOR ALL TYPES OF ANALYZERS AND PHOTOMETERS



HumaStar 80



HumaStar 180



HumaStar 100 & HumaStar 200



HumaStar 300

The HUMAN family of clinical chemistry analyzers

offer the right solution for any laboratory – whether compact solutions for smaller labs or automated reagent management for high throughput laboratories, HUMAN has the right instruments and reagents in HUMAN quality.

HumaStar Analyzers

HUMAN's automated analyzer range features instruments suitable for entry-level to medium-throughput automation. All automated analyzers are optimized for use with HUMAN reagents. Reagent refrigeration and continuous programming and sample loading on the advanced analyzers ensures efficient operation. Applications for HUMAN multipurpose and most immunoturbidimetric reagents are pre-programmed on the instruments.

HumaStar Systems



HumaStar 600



HumaStar 150SR



HumaStar System Reagents

Our system analyzers offer completely automated reagent management. Benchtop-sized automated systems are designed for small to medium sized laboratories and prominently feature cost-efficient solutions. Stand-alone systems are equipped to serve the needs of medium to high throughput laboratories. All feature validated applications, high quality reagents with long shelf lives and on board stabilities, ensuring the highest cost efficiency and result reliability. All automated systems are fitted with reagent refrigeration, barcode readers, and washable cuvettes, and can be upgraded with optional ISE modules. With these systems, HUMAN is proud to offer a unique range of solutions for laboratories of all sizes with matched versatility and economy.



CLINICAL CHEMISTRY

REAGENTS AND CONTROLS

FOR ALL TYPES OF ANALYZERS AND PHOTOMETERS

REF	Format	Unit/Size	Storage	Sample
ACID PHOSPHATASE Humazym colorimetric test (405 nm)				
12660	M-test, Reagent kit	16 x 2 ml	2...8 °C	
10660	Reagent kit	6 x 15 ml		
ALBUMIN liquicolor Colorimetric test, monoreagent, BCG method (546 nm)				
10560	Complete kit	1000 ml	2...25 °C	  
156004		4 x 100 ml		
ALKALINE PHOSPHATASE liquicolor AMP buffer, IFCC (400 – 420 nm)				
12117	Reagent kit	10 x 10 ml	2...8 °C	 
ALKALINE PHOSPHATASE opt. liquicolor DEA buffer, DGKC (400 – 420 nm)				
12217	Reagent kit	16 x 5 ml	2...8 °C	 
12017		10 x 10 ml		
12027		8 x 50 ml		
12037		4 x 250 ml		
alpha-AMYLASE liquicolor Colorimetric test, monoreagent (400 – 420 nm)				
12218	Reagent kit	16 x 5 ml	2...8 °C	   
12018		12 x 10 ml		
12028		6 x 50 ml		
auto-BILIRUBIN-D liquicolor Colorimetric test, DPD method, for automated analyzers (546 nm, 520 – 560 nm)				
10741	Reagent kit	375 ml	2...8 °C	 
auto-BILIRUBIN-T liquicolor Colorimetric test, DPD method, for automated analyzers (546 nm, 520 – 560 nm)				
10742	Reagent kit	375 ml	2...8 °C	  










ACID PHOSPHATASE, Complete kit

 Serum
  Plasma EDTA
  Plasma HBP
  Urine
  Cerebrospinal fluid
  not included but required

CLINICAL CHEMISTRY

REAGENTS AND CONTROLS

FOR ALL TYPES OF ANALYZERS AND PHOTOMETERS

REF	Format	Unit/Size	Storage	Sample
BILIRUBIN liquicolor Colorimetric test, dichloroaniline (DCA) method (546 nm)				
10012	Reagent kit	200 ml	2...25 °C	
BILIRUBIN DIRECT/TOTAL liquicolor Colorimetric test, Jendrassik/Gróf method (546 nm)				
10740	Reagent kit	2 x 100 ml	15...25 °C	
CALCIUM liquicolor Colorimetric test, monoreagent, o-cresolphthalein-complexone (CPC) method (570 nm, 578 nm)				
10011	Complete kit	200 ml	2...25 °C	
CHLORIDE liquicolor Colorimetric test, monoreagent, TPTZ method (560 – 600 nm)				
10115	Complete kit	200 ml	2...25 °C	
CHOLESTEROL liquicolor Enzymatic colorimetric test, monoreagent with LCF, CHOD-PAP method (500 – 520 nm)				
10017	Complete kit	4 x 30 ml	2...8 °C	
10019		3 x 250 ml		
10028		4 x 100 ml		
10015	Standard	9 x 3 ml		
See also HDL CHOLESTEROL liquicolor, HDL CHOLESTEROL, LDL CHOLESTEROL liquicolor				
CK-MB liquiUV Immuno-inhibition method (334 nm, 340 nm, 365 nm)				
12118	Reagent kit	10 x 10 ml	2...8 °C	
13611	Control	4 x 2 ml		
CK-MB (NAC-activated) Humazym M-test, immuno-inhibition method (334 nm, 340 nm, 365 nm)				
12008	Reagent kit	20 x 3 ml	2...8 °C	
13611	Control	4 x 2 ml		

CLINICAL CHEMISTRY

REAGENTS AND CONTROLS

FOR ALL TYPES OF ANALYZERS AND PHOTOMETERS

REF	Format	Unit/Size	Storage	Sample
CK NAC activated Humazym M-test, optimised method (GSCC) (334 nm, 340 nm, 365 nm)				
12005	Reagent kit	20 x 3 ml	2...8 °C	
CK NAC activated liquiUV IFCC method (334 nm, 340 nm, 365 nm)				
12015	Reagent kit	10 x 10 ml	2...8 °C	
auto-CREATININE liquicolor Colorimetric kinetic method, Jaffé-Reaction, for automated analyzers (402 nm, 490 – 510 nm)				
10052	Complete kit	250 ml	15...25 °C	
CREATININE liquicolor Colorimetric test, kinetic and endpoint method w. or w/o. deproteinisation (490 – 510 nm)				
10051	Complete kit	200 ml	15...25 °C	
CREATININE (enzym) liquicolor Enzymatic colorimetric test (540 nm)				
10053	Complete kit	2 x 40 ml	2...8 °C	
gamma-GT liquicolor Colorimetric test, Persijn/van der Slik method (400 – 420 nm)				
12213	Reagent kit	16 x 5 ml	2...8 °C	
12013		10 x 10 ml		
12023		8 x 50 ml		
12033		4 x 250 ml		

NEW



CLINICAL CHEMISTRY

REAGENTS AND CONTROLS

FOR ALL TYPES OF ANALYZERS AND PHOTOMETERS

REF	Format	Unit/Size	Storage	Sample
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GLUCOSE liquicolor

Enzymatic colorimetric test, GOD-PAP method (500 nm, 546 nm)

10121	Complete kit	1000 ml	2...8 °C	
10260		4 x 100 ml		
10123	Standard	9 x 3 ml		


GLUCOSE liquiUV^{micro}

Hexokinase method, monoreagent, (334 nm, 340 nm, 365 nm)

10786	Complete kit	1 x 1000 ml	2...8 °C	
10123	Standard	9 x 3 ml		

GLYCOHEMOGLOBIN HbA_{1c}

Fast ion exchange resin separation method (405 nm, 415 nm)


10657	Reagent kit	20 tests	2...8 °C	
10658		100 tests		
10259	Controls	2 x 1 ml		



GLYCOHEMOGLOBIN HbA_{1c} – Complete Kit

GOT (ASAT) IFCC mod. liquiUV

Modified IFCC method (334 nm, 340 nm, 365 nm)


12211	Reagent kit	16 x 5 ml	2...8 °C	
12011		10 x 10 ml		
12021		8 x 50 ml		
12031		4 x 250 ml		



GLYCOHEMOGLOBIN HbA_{1c} – Controls

GPT (ALAT) IFCC mod. liquiUV

Modified IFCC method (334 nm, 340 nm, 365 nm)

12212	Reagent kit	16 x 5 ml	2...8 °C	
12012		10 x 10 ml		
12022		8 x 50 ml		
12032		4 x 250 ml		

HbA_{1c} liquidirect








Immunoassay, direct method (600 – 660 nm), referenced to IFCC method

10770	Reagent kit	40 ml	2...8 °C	
10775	Control Blood normal	2 x 0.5 ml		
	Control Blood abnormal	2 x 0.5 ml		
10776	Calibrator Set	4 x 0.5 ml		

CLINICAL CHEMISTRY

REAGENTS AND CONTROLS

FOR ALL TYPES OF ANALYZERS AND PHOTOMETERS

REF	Format	Unit/Size	Storage	Sample
HDL CHOLESTEROL liquicolor Enzymatic colorimetric test, direct homogeneous method (570 – 610 nm)				
10084	Complete kit	80 ml	2...8 °C	
10284		200 ml		
HDL CHOLESTEROL Precipitation method with phosphotungstic acid				
10018	Precipitant/ Standard	4 x 80 ml	2...8 °C	
see also CHOLESTEROL liquicolor				
HEMOGLOBIN liquicolor Photometric colorimetric test, cyanmethemoglobin method (520 – 550 nm)				
10751	Precipitant/ Standard	for 10 x 500 ml	15...25 °C	
HOMOCYSTEINE liquiUV Enzymatic UV test (334 nm, 340 nm, 365 nm)				
11140	Complete kit	1 x 34 ml	2...8 °C	
11143	Controls	3 x 1.5 ml		
IRON liquicolor Photometric colorimetric test, monoreagent with LCF, chromazurol B method (623 nm)				
10229	Complete kit	2 x 30 ml	2...25 °C	
10230		2 x 100 ml		
LDH SCE mod. liquiUV LDH SCE mod. liquiUV modified SCE method (334 nm, 340 nm, 365 nm)				
12214	Reagent kit	16 x 5 ml	2...8 °C	
12014		10 x 10 ml		
12024		8 x 50 ml		
LDL CHOLESTEROL liquicolor Enzymatic colorimetric test, direct homogeneous method (546 – 604 nm)				
10094	Complete kit	80 ml	2...8 °C	
10294		200 ml		
see also CHOLESTEROL liquicolor				

NEW



LDL CHOLESTEROL



CLINICAL CHEMISTRY

REAGENTS AND CONTROLS

FOR ALL TYPES OF ANALYZERS AND PHOTOMETERS

REF	Format	Unit/Size	Storage	Sample
LIPASE liquicolor Enzymatic colorimetric test (580 nm, 578 nm)				
12006	Reagent kit	4 x 10 ml	2...8 °C	
12026		6 x 20 ml		
MAGNESIUM liquicolor Photometric colorimetric test, monoreagent with LCF, xylidyl blue method (520 nm, 546 nm)				
10010	Complete kit	2 x 100 ml	2...25 °C	
PANCREAS-AMYLASE liquicolor Enzymatic colorimetric test (405 nm)				
12009	Reagent kit	4 x 10 ml	2...8 °C	
12029		6 x 20 ml		
PHOSPHORUS liquirapid Photometric UV-test, monoreagent, ammonium molybdate method (334 nm, 340 nm)				
10027	Complete kit	200 ml	2...25 °C	
POTASSIUM liquirapid Photometric turbidimetric test, tetraphenylboron method (578 nm)				
10118	Complete kit	100 ml	2...25 °C	
NEW	POTASSIUM liquiUV Enzymatic UV test (334 nm, 340 nm, 365 nm)			
10120	Complete kit	40 ml	2...8 °C	
NEW	SODIUM liquicolor Enzymatic colorimetric test (405 nm)			
10113	Complete kit	40 ml	2...8 °C	
SODIUM RAPID Photometric colorimetric test, Mg-Uranylacetate method (365 nm, 405 nm, 410 nm)				
573351	Complete kit	60 ml	15...25 °C	

CLINICAL CHEMISTRY

REAGENTS AND CONTROLS

FOR ALL TYPES OF ANALYZERS AND PHOTOMETERS

REF	Format	Unit/Size	Storage	Sample
TIBC				
Total Iron Binding Capacity test, iron saturation and aluminum oxide absorption method, for use with IRON liquicolor (10229/10230)				
10670	Saturation Solution, Absorbant	100 tests	15...25 °C	
TOTAL PROTEIN liquicolor				
Photometric colorimetric test, monoreagent, Biuret method (520 – 580 nm)				
157004	Complete kit	4 x 100 ml	2...25 °C	
10570		1000 ml		
TRIGLYCERIDES liquicolorSM				
Photometric colorimetric test, monoreagent with LCF, GPO-PAP method (500 nm, 546 nm)				
10720P	Complete kit	9 x 15 ml	2...8 °C	
10724		4 x 100 ml		
10725		3 x 250 ml		
10163	Standard	9 x 3 ml		
UREA liquicolor				
Enzymatic colorimetric test, modified Berthelot method (570 – 600 nm)				
10505	Complete kit	200 ml	2...8 °C	
10506	Reagent 1, Enzyme, Standard	1000 ml		
10507	Reagent 2	1000 ml		
10104	Standard	9 x 3 ml		
UREA liquiUV				
Kinetic GLDH method (334 nm, 340 nm, 365 nm)				
10521	Complete kit	8 x 50 ml	2...8 °C	
10104	Standard	9 x 3 ml		
URIC ACID liquicolorSM				
Enzymatic colorimetric test with LCF, PAP method with ascorbate oxidase (520 nm, 546 nm)				
10694	Complete kit	3 x 100 ml	2...8 °C	
URIC ACID liquicolor				
Enzymatic colorimetric test, monoreagent with LCF, PAP method (520 nm, 546 nm)				
10690	Complete kit	4 x 30 ml	2...8 °C	
10691		4 x 100 ml		



CLINICAL CHEMISTRY

REAGENTS AND CONTROLS

FOR ALL TYPES OF ANALYZERS AND PHOTOMETERS

REF	Unit/Size	Storage	Stability
AUTOCAL			
Lyophilised multi-parameter calibrator based on human serum for clinical chemistry			
13160	4 x 5 ml	2..8 °C	7 days at 2..8 °C (reconst.)
HumaTrol N			
Lyophilised bovine serum, target values mainly in the normal range, assayed			
13511	6 x 5 ml	2..8 °C	up to 7 days at 2..8 °C (reconst.)
HumaTrol P			
Lyophilised bovine serum, target values mainly in the abnormal range, assayed			
13512	6 x 5 ml	2..8 °C	up to 7 days at 2..8 °C (reconst.)
SERODOS[®]			
Lyophilised human serum, target values mainly in the normal range, assayed			
13951	6 x 5 ml	2..8 °C	7 days at 2..8 °C (reconst.)
SERODOS[®] phn			
Lyophilised human serum, target values mainly in the abnormal range, assayed			
13151	6 x 5 ml	2..8 °C	7 days at 2..8 °C (reconst.)
TURBIDOS			
Two level, liquid, ready to use control serum for turbidimetric tests, assayed			
13010	4 x 3 ml	2..8 °C	30 days at 2..8 °C after opening



HumaTrol N Kit

HUMAN's automated analyzer range features instruments suitable for entry-level to high-throughput automation. All automated analyzers are optimized for use with HUMAN reagents.



REF 16880

HumaStar 80

Automated clinical chemistry batch analyzer

- Throughput up to 80 tests per hour
- 20 reagent positions
- 54 sample positions
- Innovative software features
- 230/110 VAC

Accessories

REF	Description
18993L	Laserprinter
17901M	TFT Screen
18961	UPS 1 KVA 230 V
16885/56	Wash Bottle: 500 ml incl. Connect.
16885/57	Waste Bottle: 500 ml incl. Connect.

Consumables

REF	Description
16885/202	Kodak Tubes (Box of 20)
16885/53	Reagent Bottles & Caps (40 pcs.)
16885/54	Reaction Wells (50 pcs.)
16885/55	Sample cups (1000 pcs.)
18971	Wash additive 4 x 25 ml
16885/100	Wash solution concentrate 1 x 500ml



REF 16900

HumaStar 180

Random-access clinical chemistry analyzer

- Direct-reading system
- Photometer with LED technology
- 50 sample positions for sample cups and primary tubes
- Throughput up to 180 tests per hour
- Barcode reader and reagent cooling (optional)
- 230/110 VAC

Accessories

REF	Description
16901	Barcode Reader
16902	Reagent Cooling
16903	Liquid Level Sensor
16900/5	Adapter Primary Tubes 12.5 mm
16900/4	Adapter 10ml Bottle
16900/6	Adapter 20ml Bottle
16900/7	Adapter 4ml Tube
16900/13	Adaptor Sample Cup
16910/9	Wash & Waste container 2.5l (1 pc. each)
18961	UPS 1 KVA 230 V
18993L	Laser Printer
17901M	TFT Screen
18992P	Personal Computer with Windows 7

Consumables

REF	Description
16900/1	Cuvette Block (200 pcs. à 4 cuvettes)
16900/2	Reagent Bottle 50 ml (25 pcs.)
16900/3	Reagent Bottle 10 ml (25 pcs.)
16900/8	Reagent Bottle 20 ml (25 pcs.)
16900/12	Screw Cap Reagent Bottle (25 pcs.)
18720/31	Sample cups (2000 pcs.)
16904	Serumcups (500 pcs.)
18971	Wash additive 4 x 25 ml



NEW

REF 16890

HumaStar 100

Random-access benchtop analyzer
for low throughput

Constant throughput: 100 tests per hour
UPS and internal barcode reader included



NEW

REF 16895

HumaStar 200

Random-access benchtop analyzer
for medium throughput

Maximum throughput: 200 tests per hour
Typical throughput: 150 tests per hour
UPS and internal barcode reader included

Organize your lab workflow with perfect
quality and efficiency

- Random-access and STAT
- 80 reusable Bionex® cuvettes
- Multi-step wash station
- Primary tubes up to 12-12.5 x 100 mm
- Optional up to 16 x 100 mm
- Sample cups
- 60 sample positions
- Reagent cooling
- 30 reagent positions for 20 ml and 50 ml bottles
- Sample barcode reader
- Capacitive liquid level detector
- Needle shock detector
- Liquid containers with level sensors
- Windows 7, USB compatible
- LIS via ethernet, ASTM bi-directional
- Software designed for touch screen
- 230/110 VAC

HumaStar 100/200 – Accessories

Accessories*	
REF	Description
16890/11	Sample Tray (20 Positions of 12-16 x 100 mm + 20 of 3.5 ml Cups)
16890/12	Sample Cups 1 ml Adaptor for 12 mm (for Sample Tray 16890/10)
16890/13	Reagent Bottles Tray (30 pos., included with each instrument)
16890/14	20 ml Bottle Adaptor (15 pcs.)
16890/15	Reagent Adaptor for Cup or Tube
18992P	Personal Computer with Windows 7
17901M	TFT Screen
16890/16	LCD Touch Screen Monitor
16890/19	Desktop Barcode Reader
18993L	Laser Printer

HumaStar 100/200 – Consumables

Consumables*	
REF	Description
16890/30	Sample Tubes 12 x 85 mm, 5 ml (1000 pcs.)
16890/31	Sample Cups 1 ml (for Sample Tray 16890/10 with 16890/12 , 1000 pcs.)
16890/32	Sample Cups 3.5 ml (for Sample Tray 16890/11 , 1000 pcs.)
16890/33	Reaction Cuvettes (200 pcs.)
16890/34	Reagent Bottle 20 ml (30 pcs.)
16890/35	Reagent Bottle 50 ml (30 pcs.)
16890/36	Cap for Reagent Bottles (30 pcs.)
18971	Wash Additive 4 x 25 ml
16890/39	Special Wash Solution



REF 179015

HUMASTAR 300

Medium-throughput random-access clinical chemistry analyzer

- Up to 300 tests per hour (w/o ISE)
- 30 reagents on board
- Continuous programming and sample loading
- ISE module for Na, K, Cl (optional)
- Barcode reader for samples (optional)
- Barcode reader for reagents (optional)
- Windows XP
- 230/110 VAC

ACCESSORIES

REF	Description
179015/50	Reagent Container 10 ml with Caps (30 pcs.)
179015/51	Reagent Container 30 ml with Caps (30 pcs.)
179035	ISE Modul Complete
179075	Barcode Reader for Sample
179085	Barcode Reader for Reagent
179095	Barcode Set (Sample & Reagent)
18961	UPS 1 KVA 230V

CONSUMABLES






REF	Description
17950/5	Reagent Container 50 ml (1 pc.)
17905/5	Reagent Container 5 ml (1 pc.)
18720/31	Sample Cups (2000 pcs.)
18971	Wash Additive 4 x 25 ml

ISE CONSUMABLES

REF	Description
17903/7	Cleaner 6 x 15 ml
17903/5	Standard A 1 x 500 ml
17903/6	Standard B 1 x 125 ml
17903/8	Urine Diluent 1 x 125 ml

CLINICAL CHEMISTRY

AUTOMATED HUMASTAR ANALYZERS

					
	HUMASTAR 80	HUMASTAR 100	HUMASTAR 180	HUMASTAR 200	HUMASTAR 300
Throughput, max. tests/hour	80	100	180	200	300
Throughput, typical mix	40	100	140	150	220
Random-access/ Batch	Optimized Batch	Random-access	Random-access	Random-access	Random-access
Photometer	Flow Cell	Direct, cuvette	Direct, cuvette	Direct, cuvette	Direct, cuvette
Reaction cuvettes	Disposable	Reusable, plastic	Disposable	Reusable, plastic	Reusable, quartz glass
Sample positions	54	60	50	60	40
Primary tubes	No	Yes	Yes	Yes	Yes
Barcode samples	No	Yes	Optional	Yes	Optional
Reagent positions	20	30	25	30	30
Reagent cooling	No	Yes	Optional	Yes	Yes
Needle shock detector	Yes	Yes	No	Yes	No
LIS	RS-232, proprietary protocol, Bi-directional	Ethernet, ASTM, Bi-directional	RS-232, proprietary protocol, Uni-directional	Ethernet, ASTM, Bi-directional	RS-232C, ASTM, Bi-directional
Languages	English, French, Italian, Spanish	English, French, Italian	English, Spanish	English, French, Italian	English, French
Computer	External, RS-232, Win 7/XP	External, USB, Win 7	External, USB, Win 7/XP	External, USB, Win 7	Integrated, Win XP



REF 16920

HUMAStar 150SR

Low- to medium-throughput random-access clinical chemistry system incl. UPS

- Up to 150 chemistry tests per hour
- 40 reagents on board
- Reagent cooling
- Washable quartz cuvettes
- Barcode reader for reagents and optional for samples
- 230/110 VAC

ACCESSORIES

REF	Description
16920/3	Complete ISE Module on request
18993L	Laser Printer
15000	USB Stand Scanner

CONSUMABLES

REF	Description
16663/10	Diluent 4 x 20 ml
16921/01	Chimney (16 pcs.)
16923/20	Cuvette Clean 3 x 100 ml
18720/31	Sample Cups (2000 pcs.)
18971	Wash Additive 4 x 25 ml

ISE CONSUMABLES
















REF	Description
17903/7	Cleaner 6 x 15 ml
17903/5	Standard A 1 x 500 ml
17903/6	Standard B 1 x 125 ml
17903/8	Urine Diluent 1 x 125 ml

CLINICAL CHEMISTRY

AUTOMATED HUMASTAR ANALYZERS

SYSTEM REAGENTS HUMASTAR 150 SR

CLOSED SYSTEM
REAGENTS

REF	Format	Unit/Size	Storage	Sample
ACID PHOSPHATASE Humazym colorimetric test				
10660150	Reagent kit	2 x 40 tests	2...8 °C	
ALBUMIN liquicolor Colorimetric test, BCG method, monoreagent				
10560150	Reagent kit	3 x 50 tests	2...8 °C	  
ALKALINE PHOSPHATASE opt. liquicolor DEA buffer, DGKC				
12027150	Reagent kit	2 x 75 tests	2...8 °C	 
alpha- AMYLASE liquicolor Colorimetric test, monoreagent				
12028150	Reagent kit	3 x 60 tests	2...8 °C	  
auto- BILIRUBIN-D liquicolor DPD method				
10741150	Reagent kit	3 x 100 tests	2...8 °C	 
auto- BILIRUBIN-T liquicolor DPD method				
10742150	Reagent kit	3 x 100 tests	2...8 °C	 
auto- CREATININE liquicolor Colorimetric kinetic method, Jaffe-Reaction				
10052150	Reagent kit	3 x 130 tests	2...8 °C	 



auto-**BILIRUBIN-T** System Reagent










CLINICAL CHEMISTRY

AUTOMATED HUMASTAR ANALYZERS

SYSTEM REAGENTS HUMASTAR 150 SR

CLOSED SYSTEM
REAGENTS

REF	Format	Unit/Size	Storage	Sample
CALCIUM liquicolor Colorimetric test, monoreagent, o-cresolphthalein-complexone (CPC) method				
10011150	Reagent kit	3 x 50 tests	2...8°C	
CHOLESTEROL liquicolor Enzymatic colorimetric test, monoreagent with LCF, CHOD-PAP method				
10028150	Reagent kit	3 x 90 tests	2...8°C	
CK-MB liquiUV Immuno-inhibition method				
12118150	Reagent kit	2 x 25 tests	2...8°C	
CK-NAC activated liquiUV IFCC method				
12015150	Reagent kit	2 x 25 tests	2...8°C	
gamma-GT liquicolor Colorimetric test, Persijn/van der Slik method				
12023150	Reagent kit	2 x 75 tests	2...8°C	
GLUCOSE liquicolor Enzymatic colorimetric test, GOD-PAP method				
10260150	Reagent kit	3 x 100 tests	2...8°C	
GOT (ASAT) IFCC mod. liquiUV Modified IFCC method				
12021150	Reagent kit	3 x 130 tests	2...8°C	










gamma-GT System Reagent

CLINICAL CHEMISTRY

AUTOMATED HUMASTAR ANALYZERS

SYSTEM REAGENTS HUMASTAR 150 SR

CLOSED SYSTEM
REAGENTS

REF	Format	Unit/Size	Storage	Sample
GPT (ALAT) IFCC mod. liquiUV Modified IFCC method				
12022150	Reagent kit	3 x 130 tests	2...8°C	
HbA1c liquidirect* Immuno assay, direct method, referenced to IFCC method				
10770150	Reagent kit	1 x 75 tests	2...8°C	
10775	Control Blood normal	2 x 0.5 ml		
	Control Blood abnormal	2 x 0.5 ml		
10776	Calibrator Set	4 x 0.5 ml		
HDL CHOLESTEROL liquicolor Enzymatic colorimetric test, direct homogeneous method				
10084150	Reagent kit	3 x 50 tests	2...8°C	
IRON TPTZ liquicolor Photometric colorimetric test, monoreagent with LCF, TPTZ method				
12290150	Reagent kit	2 x 60 tests	2...8°C	
LDH SCE mod. liquiUV Modified SCE method				
12014150	Reagent kit	3 x 30 tests	2...8°C	
LDL CHOLESTEROL liquicolor Enzymatic colorimetric test, direct homogeneous method				
10094150	Reagent kit	2 x 25 tests	2...8°C	
MAGNESIUM liquicolor Photometric colorimetric test, monoreagent with LCF, xylydyl blue method				
10010150	Reagent kit	3 x 20 tests	2...8°C	



Serum



Plasma
EDTA



Plasma
HEP



Whole
Blood



Citrate



not included
but required



















CLINICAL CHEMISTRY


AUTOMATED HUMASTAR ANALYZERS

SYSTEM REAGENTS HUMASTAR 150 SR

CLOSED SYSTEM
REAGENTS

REF	Format	Unit/Size	Storage	Sample
PHOSPHORUS liquirapid Photometric UV-test, monoreagent, ammonium molybdate method				
10027150	Reagent kit	3 x 60 tests	2...8°C	
POTASSIUM liquiUV* Enzymatic colorimetric test				
10120150	Reagent kit	1 x 75 tests	2...8°C	 
10126	Standard	2 x 3 ml		
SODIUM liquicolor* Enzymatic colorimetric test				
10113150	Reagent kit	1 x 75 tests	2...8°C	 
10114	Standard	2 x 3 ml		
TOTAL PROTEIN liquicolor Photometric colorimetric test, monoreagent, Biuret method				
10570150	Reagent kit	3 x 100 tests	2...8°C	  
TRIGLYCERIDES liquicolor ^{mono} Photometric colorimetric test, monoreagent with LCF, GPO-PAP method				
10724150	Reagent kit	3 x 100 tests	2...8°C	  
UREA liquiUV Kinetic GLDH method				
10521150	Reagent kit	3 x 120 tests	2...8°C	  
URIC ACID liquicolor ^{plus} Enzymatic colorimetric test with LCF, PAP method with ascorbate oxidase				
10694150	Reagent kit	3 x 110 tests	2...8°C	  

TURBIDIMETRY

CRP Immunoturbidimetric test for C-reactive protein				
11241150	Reagent kit	2 x 75 tests	2...8°C	
11341	Standard	2 x 1 ml		

REF 16660

HUMASTAR 600

High-throughput random access clinical chemistry system including UPS

- Up to 600 chemistry tests per hour (w/o. ISE)
- 48 reagents on board
- Reagent cooling
- Continuous programming and sample loading
- Barcode reader for samples and reagents
- 230/110 VAC



ACCESSORIES	
REF	Description
16663-01	ISE Module Field Installation Kit for Na, K, Cl
16660/4	Na Electrode
16660/5	K Electrode
16660/6	Cl Electrode
16660/7	Ref. Electrode
16660/66	Sample Tube Adaptor
16662	Starter Kit
18992P	Personal Computer with Windows 7
18993L	Laser Printer
18991M	TFT Screen

CONSUMABLES	
REF	Description
16663/10	Diluent 4 x 20 ml
16661/01	Chimney (16 pcs.)
16663/20	Cuvette Clean 6 x 55 ml
16663/25	Tip Cleaning Kit 4 x 20 ml Tip Clean + Tip Rinse 4 x 20 ml
16661/1	Reaction Cuvettes (1200 pcs.)
18971	Wash Additive 4 x 25 ml

ISE CONSUMABLES	
REF	Description
16660/14	ISE Standard Pack (1300 tests)
16660/11	ISE Cleaner 6 x 20 ml
16660/12	ISE Conditioner 6 x 20 ml
16660/13	ISE Urine Diluent 4 x 20 ml
16663-01	ISE Module Field Installation Kit for Na, K, Cl

CLINICAL CHEMISTRY

AUTOMATED HUMASTAR ANALYZERS

SYSTEM REAGENTS HUMASTAR 600

CLOSED SYSTEM
REAGENTS

REF	Format	Unit/Size	Storage	Sample
ACID PHOSPHATASE Humazym colorimetric test				
10660600	Reagent kit	3 x 50 tests	2..8 °C	SERUM
ALBUMIN liquicolor Colorimetric test, BCG method, monoreagent				
10560600	Reagent kit	6 x 150 tests	2..8 °C	SERUM EDTA HEP
ALKALINE PHOSPHATASE liquicolor AMP buffer, IFCC				
12117600	Reagent kit	3 x 250 tests	2..8 °C	SERUM HEP
ALKALINE PHOSPHATASE opt. liquicolor DEA buffer, DGKC				
12027600	Reagent kit	3 x 250 tests	2..8 °C	SERUM HEP
alpha-AMYLASE liquicolor Colorimetric test, monoreagent				
12028600	Reagent kit	3 x 260 tests	2..8 °C	SERUM EDTA HEP
auto-BILIRUBIN D liquicolor DPD method				
10741600	Reagent kit	5 x 210 tests	2..8 °C	SERUM HEP
auto-BILIRUBIN T liquicolor DPD method				
10742600	Reagent kit	5 x 210 tests	2..8 °C	SERUM HEP



ALKALINE PHOSPHATASE System Reagent



Serum



Plasma
EDTA










Plasma
HEP

CLINICAL CHEMISTRY

AUTOMATED HUMASTAR ANALYZERS

SYSTEM REAGENTS HUMASTAR 600

CLOSED SYSTEM
REAGENTS

REF	Format	Unit/Size	Storage	Sample
auto-CREATININE liquicolor Colorimetric kinetic method, Jaffe-Reaction				
10052600	Reagent Kit	5 x 250 tests	2...8°C	
CALCIUM liquicolor Colorimetric test, monoreagent, o-cresolphthalein-complexone (CPC) method				
10011600	Reagent kit	3 x 430 tests	2...8°C	
CHOLESTEROL liquicolor Enzymatic colorimetric test, monoreagent with LCF, CHOD-PAP method				
10028600	Reagent kit	3 x 150 tests	2...8°C	
CK-MB liquiUV Immunoinhibition method				
12118600	Reagent kit	2 x 100 tests	2...8°C	
CK NAC activated liquiUV IFCC method				
12015600	Reagent kit	2 x 180 tests	2...8°C	
gamma-GT liquicolor Colorimetric test, Persijn/van der Slik method				
12023600	Reagent kit	3 x 250 tests	2...8°C	
GLUCOSE liquicolor Enzymatic colorimetric test, GOD-PAP method				
10260600	Reagent kit	6 x 210 tests	2...8 °C	

 Serum
 Plasma HEP
 Plasma EDTA
 Whole Blood
 not included but required

CLINICAL CHEMISTRY

AUTOMATED HUMASTAR ANALYZERS

SYSTEM REAGENTS HUMASTAR 600

CLOSED SYSTEM
REAGENTS

REF	Format	Unit/Size	Storage	Sample
GOT (ASAT) IFCC mod. liquiUV Modified IFCC method				
12021600	Reagent kit	5 x 310 tests	2...8 °C	SERUM EDTA HEP
GPT (ALAT) IFCC mod. liquiUV Modified IFCC method				
12022600	Reagent kit	5 x 310 tests	2...8 °C	SERUM EDTA HEP
HbA1c liquidirect Immuno assay, direct method, referenced to IFCC method				
10770600	Reagent kit	1 x 135 tests	2...8 °C	WB
10775	Control Blood normal	2 x 0.5 ml		
	Control Blood abnormal	2 x 0.5 ml		
10776	Calibrator Set	4 x 0.5 ml		
HDL CHOLESTEROL liquicolor Enzymatic colorimetric test, direct homogeneous method				
10084600	Reagent kit	2 x 180 tests	2...8 °C	SERUM EDTA HEP
IRON TPTZ liquicolor Photometric colorimetric test, monoreagent with LCF, TPTZ method				
12290600	Reagent kit	2 x 180 tests	2...8 °C	SERUM EDTA
LDH SCE mod. liquiUV Modified SCE method				
12014600	Reagent Kit	2 x 180 tests	2...8 °C	SERUM EDTA HEP



GPT (ALAT) IFCC mod. liquiUV

CLINICAL CHEMISTRY

AUTOMATED HUMASTAR ANALYZERS

SYSTEM REAGENTS HUMASTAR 600

CLOSED SYSTEM
REAGENTS

REF	Format	Unit/Size	Storage	Sample
LDL Cholesterol liquicolor Enzymatic colorimetric test, direct homogeneous method				
10094600	Reagent kit	2 x 90 tests	2...8°C	SERUM EDTA HEP
Lipase liquicolor Enzymatic colorimetric test				
12006600	Reagent kit	2 x 100 tests	2...8°C	SERUM HEP
Magnesium liquicolor Photometric colorimetric test, monoreagent with LCF, xylydyl blue method				
10010600	Reagent kit	4 x 60 tests	2...8°C	SERUM EDTA CITRATE
Pancreas-Amylase liquicolor Enzymatic colorimetric test				
12009600	Reagent kit	2 x 100 tests	2...8°C	SERUM EDTA HEP
Phosphorus liquirapid Photometric UV-test, monoreagent, ammonium molybdate method				
10027600	Reagent kit	4 x 60 tests	2...8°C	SERUM
Potassium liquiUV* Enzymatic colorimetric test				
10120600	Reagent kit	1 x 250 tests	2...8°C	SERUM HEP
10126	Standard	2 x 3 ml		
Sodium liquicolor* Enzymatic colorimetric test				
10113600	Reagent kit	1 x 250 tests	2...8°C	SERUM HEP
10114	Standard	2 x 3 ml		



Serum



Plasma
HEP



Plasma
EDTA



Plasma
Citrate



not included
but required



CLINICAL CHEMISTRY

AUTOMATED HUMASTAR ANALYZERS

SYSTEM REAGENTS HUMASTAR 600

CLOSED SYSTEM
REAGENTS

REF	Format	Unit/Size	Storage	Sample
Total Protein Iiquicolor Photometric colorimetric test, monoreagent, Biuret method				
10570600	Reagent kit	6 x 210 tests	2...8 °C	SERUM EDTA HEP
Triglycerides Iiquicolor^{msa} Photometric colorimetric test, monoreagent with LCF, GPO-PAP method				
10724600	Reagent kit	3 x 210 tests	2...8°C	SERUM EDTA HEP
Urea IiquiUV Kinetic GLDH method				
10521600	Reagent kit	5 x 250 tests	2...8 °C	SERUM EDTA HEP
Uric Acid Iiquicolor^{pa} Enzymatic colorimetric test with LCF, PAP method with ascorbate oxidase				
10694600	Reagent kit	5 x 250 tests	2...8°C	SERUM EDTA HEP

System Reagents – Turbidimetry

Apolipoprotein A1 (APO A1) Monoreagent				
11101600	Reagent kit	1 x 70 tests	2...8 °C	SERUM
11104	Standard	2 x 1 ml		
Apolipoprotein B (APO B) Monoreagent				
11102600	Reagent kit	1 x 70 tests	2...8 °C	SERUM EDTA
11104	Standard	2 x 1 ml		
anti-Streptolysin -O (ASO) Anti-Streptolysin-O (ASO) Latex enhanced immunoturbidimetric test				
11251600	Reagent Kit	1 x 210 tests	2...8°C	SERUM
11351	Standard	2 x 1 ml		

CLINICAL CHEMISTRY

HUMALYZER PHOTOMETERS



REF 16700

HumaLyzer 3000

Semi-automatic photometer with large display

- Wavelengths 340, 405, 505, 545, 580, 630 nm and free positions
- Total of 120 programmable methods
- English, Spanish (optional) software
- Memory for 512 samples, QC, calibration
- Large (40 column) internal thermal printer
- LCD display 240x128 pixels and ext. keyboard connector
- QC statistics module with Levey-Jennings chart
- External incubator with 18 round positions included
- 230/110 VAC

Accessories

REF	Description
16700/11	External Keyboard
16700/315	Spanish Language (EPROM)

Consumables

REF	Description
18052	Disposable Macro Cuvettes (1000 pcs.)
18222	Flow Cell Cleaner 100 ml
18909/20	Thermal Printer Paper (5 pcs.)



REF 16080

HumaMeter A1c

Benchmark for Point of Care Testing

Boronate Affinity Method

- > Interference free
- > Results in only 4 minutes
- > Measuring range: 4–17% HbA1c
- > Imprecision: <3%
- > Sample volume: 4 µl
- > Reagents stability for 30 days at RT

Easy handling

- > No pipetting capillary technology
- > Use of whole blood from finger-tip or venous blood samples
- > Innovative blood collector
- > Special designed cartridges
- > Step by step instructions on display

Out of routine features

- > Reporting in IFCC (mmol/mol) and NGSP/DCCT (%) values
- > 7000 results memory
- > Barcode reader for calibration code and patient data

Ordering information

	REF
HumaMeter A 1c	16080
Printer HumaMeter A 1c	16081
HbA1c reagent kit 50 Tests	16085/50
HbA1c control	16086

HUMANEX A1c

Automated HPLC HbA1c Determination

- > HbA1c analysis in only 2 minutes
- > 50 samples on board capacity
- > Less than 2% CV

CLINICAL CHEMISTRY

NEW

In Benchmark-Quality



HUMANEX A1c

Gold standard technology for HbA1c testing

Fully automated System

- > Throughput of 30 tests per hour
- > On board capacity of 50 samples per Autoloader
- > Automatic sample identification
- > Automatic mixing
- > Sample volume: 10 µl

Operating System

- > LCD display
- > Simple touch-screen operation
- > Intuitive interface

Performance Characteristics

- > Direct determination of HbA1c
- > Imprecision: ≤ 2%
- > Measuring range: 4% to 17 %
- > Reporting in IFCC and DCCT values

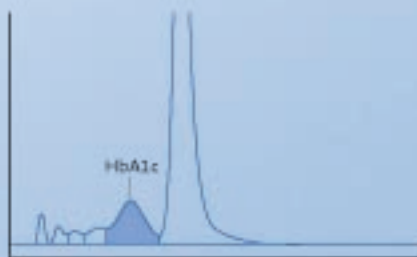


Table 1: Low interference by use of HPLC

References

- Consensus Committee, Consensus statement on the worldwide standardisation of the HbA1c measurement - Diabetologia, DOI 10.1007/s00125-007-0789-7
- Koenig BS, Peterson CM, Kilo C, Cerami A, Williamson JF - (1976) Hemoglobin A1C as an indicator of the degree of glucose intolerance in diabetes. Diabetes 25:230-232
- M. Silink et al, diabetes Voice: 2007, 12| Volume 52 | Issue 4

HbA1c

Glucose has the tendency to stick to proteins and also to hemoglobin in the red blood cells. There it forms glycosylated hemoglobin – HbA1c. The build-up of HbA1c in red blood cells reflects the average level of glucose to which the red cells have been exposed since their formation 3 months ago.

Determination of HbA1c > 6,5% is recognized as diagnostic for Diabetes!

Consistently high HbA1c levels increase the risk for long-term disabling and potentially life-threatening complications, including cardiovascular disease, stroke, kidney disease, eye damage and nerve damage.

Diabetes diagnostics by HbA1c

No diabetes	< 5.7 %	< 39 mmol/mol
Prediabetes	5.7-6.4 %	39-47 mmol/mol
Diabetes	≥ 6.5 %	≥ 48 mmol/mol

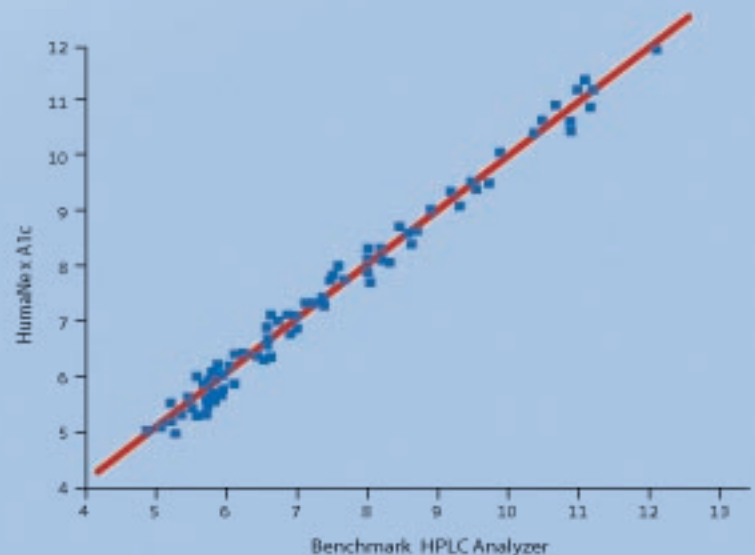


Table 2: Accuracy: HumaNex A1c compared to Gold-standard method



REF 17470/10

HumaLyte Plus³

Na+, K+, Cl-

REF 17470/20

HumaLyte Plus⁵

Na+, K+, Cl-, pH, ICa⁺⁺

System reagents

REF	Description
17470/82	Reagent Pack HumaLyte Plus ⁴
17470/83	Reagent Pack HumaLyte Plus ⁵

Reagent consumption

The consumption of reagent depends on the way you use the instrument. There are several factors that will influence the reagent consumption.

The following table is a rough estimation of the reagent consumption in relation to the number of samples/day measured.

No. of samples per day	No. of samples per reagent pack
5	100 – 190
10	200 – 350
20	350 – 550
50	600 – 850
100	850 – 1050

Accessories

REF	Description
17470/30	Autosampler for 20 Sample Cups
17470/59	Sample Cups 2.5 ml (250 pcs.)

Benchtop ISE electrolyte analyzers

- Analysis time < 60 sec. per sample
- Direct ISE
- Closed system
- Optional autosampler for 20 samples and STAT
- For testing serum, whole blood (heparin), plasma (heparin) or diluted urine
- LCD touch screen
- Internal thermal printer
- Memory for 200 samples, QC
- Automatic calibration
- Stand-by mode
- Quality control database
- 230/110 VAC

Consumables

REF	Description
17470/72	Weekly Cleaning Solution 100 ml
17470/71	Daily Cleaning Solution 100 ml
17470/11	K Electrode (K+)
17470/12	Na Electrode (Na+)
17470/13	Cl Electrode (Cl-)
17470/14	Ca Electrode (Ca ⁺⁺) (HumaLyte Plus ⁵)
17470/15	pH Electrode (pH) (HumaLyte Plus ⁵)
17470/17	Reference Electrode
17470/18	Internal Electrode
17470/19	Reference Membrane (10 pcs.)
17470/76	Ca Filling Solution 100 ml (HumaLyte Plus ⁵)
17470/74	K Filling Solution 100 ml
17470/75	pH/Na/Cl Filling Solution 100 ml
17470/78	Ref. Filling Solution 100 ml
17470/70	QC Solution 100 ml
17470/110	QC Solution 10 x 2 ml
17470/79	Na Conditioner 100 ml
17470/86	Urine Diluent 100 ml
18144/5	Thermal Printer Paper (5 pcs.)

COMBILIZER 13



	Combilizer 13	Combilizer 1	Combilizer 3	Combilizer 5	Combilizer 10	Combilizer 11
Glucose	Colorimetric	Colorimetric	Colorimetric	Colorimetric	Colorimetric	Colorimetric
Ketone	Colorimetric	Colorimetric	Colorimetric	Colorimetric	Colorimetric	Colorimetric
pH	Colorimetric	Colorimetric	Colorimetric	Colorimetric	Colorimetric	Colorimetric
Protein	Colorimetric	Colorimetric	Colorimetric	Colorimetric	Colorimetric	Colorimetric
Bilirubin	Colorimetric	Colorimetric	Colorimetric	Colorimetric	Colorimetric	Colorimetric
Density	Colorimetric	Colorimetric	Colorimetric	Colorimetric	Colorimetric	Colorimetric
Leukocytes	Colorimetric	Colorimetric	Colorimetric	Colorimetric	Colorimetric	Colorimetric
Ascorbic acid	Colorimetric	Colorimetric	Colorimetric	Colorimetric	Colorimetric	Colorimetric



URINALYSIS

- **COMBILIZER**
- **COMBINA**

● URINALYSIS SYSTEM LINE

● COMBILIZER 13

New Analyzer for small to medium-volume laboratories

- > User friendly on-board software
- > Photoelectric colorometry test principle
- > Throughput: 60 samples/h (standard mode)
120 samples/h (fastmode)
- > Calculates albumin-to-creatinine ratio
- > Flags for abnormal results
- > On-board storage of 1000 results
- > Conventional, arbitrary and SI units
- > Built-in thermo printer
- > Serial port for unidirectional connection with LIS. port for external printer
- > Automatic waste handling
- > On-board service & system diagnose tools
- > Closed system for COMBINA 13
- > Dimensions (W x D x H) 37.6 x 31.6 x 17cm



Combilyzer 13

240/100 V, 50-60 Hz

Cat. No. 17600

● COMBINA 13

Comprehensive urinary profile including microalbumin & Creatinine

Microalbumin

Urinary excretion of microalbumin indicates kidney damage often found in patients with diabetes and hypertension and is a recognized risk factor for progression of kidney and cardiovascular disease.

Parallel measurement of creatine and albumin to diagnose microalbuminuria makes collection of 24 hour urine samples obsolete, as the albumin-to-creatinine ratio allows to correct variations in diuresis



Premium test strip with 13 parameters- 13 parameters in 1 minute

- > Strip for testing ascorbic acid, bilirubin, blood, creatine, glucose, ketones, leucocytes, microalbumin, nitrites, pH, protein, specific gravity, urobilinogen
- > Specially suited for first time urine testing- no need for timed collection
- > Microalbumin - to creatinine ratio automatically calculated by Combilyzer 13
- > For visual and automated reading with Combilyzer 13
- > Semiquantitative visual reading for all parameters at 60 seconds

Combina 13

100 tests

Cat. No. 22132



URINALYSIS REAGENTS

● COMBINA TEST STRIPS

COMBINA CLUCOSE

22092	50 test strips	2...30 °C	Glucose For visual reading	Urine
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COMBINA 2

22022	50 test strips	2...30 °C	Glucose, ketones For visual reading	Urine
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COMBINA 3

22032	50 test strips	2...30 °C	Glucose, pH, protein For visual reading	Urine
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COMBINA 9 SG

22002	50 test strips	2...30 °C	Nitrite, pH, Protein, glucose, specific gravity (density), urobilinogen, bilirubin, ketones, blood (hemoglobin, erythrocytes) For visual reading	Urine
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COMBINA 10 M

22102	50 test strips	2...30 °C	Leucocytes, specific gravity (density), Nitrite, pH, Protein, glucose, ketones, urobilinogen, bilirubin, blood (hemoglobin, erythrocytes) For visual reading	Urine
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COMBINA 11 S

23111	150 test strips	2...30 °C	Bilirubin, urobilinogen, ketones ascorbic acid, glucose, protein, blood(hemoglobin, erythrocytes). pH, nitrite, leucocytes and density for reading with Combilyzer ^{plus} , Compilyzer VA and visually	Urine
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NEW COMBINA 13

23132	100 test strips	2...30 °C	Urobilinogen, microalbumin, bilirubin, ketones, creatinine, blood, protein, nitrite, leucocytes, glucose, specific gravity, pH, ascorbin acid For reading with Combilyzer and visually	Urine
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RAPID SCREENING TESTS

IMMUNO CHROMATOGRAPHIC AND AGGLUTINATION TESTS

YOUR ADVANTAGES

- RESULTS IN MINUTES
- NO NEED FOR INSTRUMENTATION
- EASY TO USE
- ACCURATE, RELIABLE RESULTS
- COST-EFFECTIVE DIAGNOSTIC KITS
- COMPREHENSIVE PRODUCT LINE
- MEETS HIGH EUROPEAN QUALITY STANDARDS

RAPID SCREENING TESTS

INFECTIOUS DISEASES

The rapid, early diagnosis of infectious diseases is critical for therapy and infection-control measures. HUMAN manufactures a broad range of high quality tests, e.g. for the diagnosis of sexually transmitted or mosquito-borne diseases. HUMAN's tests are designed to provide reliable and easy-to-read results within minutes. Many HUMAN rapid tests allow the use of whole blood and are, therefore, ideally suited for point-of-care testing.

REF	FORMAT	UNIT/Size	STORAGE	SPECIFICATION	SAMPLE
Hexagon Chagas Immunochromatographic rapid test for antibodies to <i>Trypanosoma cruzi</i>					
58002	Complete kit	20 tests	2...30 °C	Test device and diluent	WB, SERUM, EDTA, HEP
Hexagon Chlamydia Immunochromatographic rapid test for <i>Chlamydia trachomatis</i> LPS antigen					
58012	Test device	30 tests	2...25 °C		FEUABLE
58912	Collection tubes, swabs	60 units	2...25 °C		
HEXAGON DENGUE Immunochromatographic rapid test for Dengue IgM and IgG antibodies					
58082	Complete kit	25 tests	2...30 °C	Test device and diluent	WB, SERUM, EDTA, HEP, CITRATE
HEXAGON HIV Immunochromatographic rapid test for antibodies to HIV-1 and -2 (3rd generation)					
57002P	Complete kit	40 tests	2...30 °C	Test device and diluent	WB, SERUM, EDTA, HEP, CITRATE
57004P		100 tests			

RAPID SCREENING TESTS


REF	FORMAT	UNIT/SIZE	STORAGE	SPECIFICATION	SAMPLE
HEXAGON H. PYLORI Immunochromatographic rapid test for <i>H. pylori</i> IgG, IgM, IgA antibodies (3rd generation)					
58022	Complete kit	20 tests	2...30 °C	Test device and diluent	
HEXAGON HBsAg Immunochromatographic 1-step test for Hepatitis B surface antigen (HBsAg)					
58003	Kit	3 x 20 tests	2...25 °C	Test strips	
HEXAGON MALARIA COMBI Immunochromatographic rapid test with different test lines to detect <i>P. falciparum</i> and non-falciparum species (antigen test)					
58054	Complete kit	25 tests	2...30 °C	Test device, diluent, pipette/loop	
HEXAGON ROTA Immunochromatographic rapid test for Rotavirus antigen in stool specimens					
58092	Complete kit	20 tests	2...30 °C	Test device, extraction tube, swab	
HEXAGON STREP A Immunochromatographic rapid test for <i>Streptococcus A</i> antigen					
58062	Complete kit	20 tests	2...25 °C	Test device, extraction solutions, pipette and extraction tube	
HEXAGON SYPHILIS Immunochromatographic rapid test for <i>T. pallidum</i> IgG, IgM, IgA antibodies (3rd generation)					
58042		20 tests	2...30 °C	Test device and diluent	
HEXAGON TB Immunochromatographic rapid test for <i>M. tuberculosis</i> IgG, IgM, IgA antibodies					
58032		20 tests	15...25 °C	Test device and diluent	
HumaTex TOXO Latex agglutination slide test for antibodies to <i>Toxoplasma gondii</i>					
50023	Complete kit	2.5 ml	2...8 °C		

RAPID SCREENING TESTS

REF	FORMAT	UNIT/SIZE	STORAGE	SPECIFICATION	SAMPLE
IM QUICK TEST					
Hemagglutination slide test for heterophilic antibodies associated with infectious mononucleosis					
40039	Complete kit	20 tests	2...8 °C		
40038		40 tests			
SYPHILIS RPR TEST					
Rapid plasma reagin charcoal enhanced flocculation test for reagin antibodies					
50001	Complete kit	100 tests	2...8 °C		 
50002		500 tests			
50016	Economic kit	500 tests		Reduced accessories	
SYPHILIS TPHA liquid					
Hemagglutination test for antibodies to <i>Treponema pallidum</i>					
50101	Complete kit	100 tests	2...8 °C		
HumaTex FERRILE ANTIGENS					
Multiscreening Kit, Agglutination slide and tube test for qualitative and semiquantitative determination of antibodies to <i>Salmonella typhi</i> H, <i>Salmonella typhi</i> O, <i>Salmonella paratyphi</i> AH, <i>Salmonella paratyphi</i> BH, <i>Brucella abortus</i> , <i>Proteus</i> OX 19 including positive and negative controls					
50201	Complete kit	6 x 100 tests	2...8 °C	Multiple	
SALMONELLA KIT					
Agglutination slide and tube test for qualitative and semiquantitative determination of antibodies against <i>Salmonella typhi</i> H, <i>Salmonella typhi</i> O, <i>Salmonella paratyphi</i> AH, <i>Salmonella paratyphi</i> AO, <i>Salmonella paratyphi</i> BH, <i>Salmonella paratyphi</i> BO, <i>Salmonella paratyphi</i> CH, <i>Salmonella paratyphi</i> CO					
50301	Complete kit	8 x 100 tests	2...8 °C	Multiple	



RAPID SCREENING TESTS

REF	FORMAT	UNIT/SIZE	STORAGE	SPECIFICATION	SAMPLE
INDIVIDUAL ANTIGENS					
Agglutination slide and tube tests for qualitative and semi-quantitative determination of antibodies to febrile antigens and controls					
50271	SALMONELLA TYPHI H	8 x 100 tests	2...8 °C	Complete kit	
50281	SALMONELLA TYPHI O	8 x 100 tests			
50211	SALMONELLA PARATYPHI AH	8 x 100 tests			
50221	SALMONELLA PARATYPHI AO	8 x 100 tests			
50231	SALMONELLA PARATYPHI BH	8 x 100 tests			
50241	SALMONELLA PARATYPHI BO	8 x 100 tests			
50251	SALMONELLA PARATYPHI CH	8 x 100 tests			
50261	SALMONELLA PARATYPHI CO	8 x 100 tests			
50291	BRUCELLA ABORTUS	8 x 100 tests			
50200	CONTROL PC/NC	2 x 2 ml			

PREGNANCY

HEXAGON and HumaPreg pregnancy tests feature a sensitivity of at least 20-25 IU/l hCG and are available in different test formats: single sealed cassette and strip tests. For OEM partners, strip and midstream tests for home use are available.

REF	FORMAT	UNIT/SIZE	STORAGE	SPECIFICATION	SAMPLE
HumaPreg^{Serum/Urine}					
Immunochromatographic pregnancy test for serum and urine					
68004	Complete kit	40 tests	2...30 °C	Single sealed test devices with transfer pipettes. Detection limit 20-25 IU/l hCG	

RAPID SCREENING TESTS

TUMOR SCREENING/TUMOR MARKER

Rapid tests for the diagnosis of colon or prostate cancer. HUMAN's well-known occult blood test, HEXAGON OBTI, is also used for forensic applications.

REF	FORMAT	UNIT/SIZE	STORAGE	SPECL.CATION	SAMPLE
HEXAGON OBSCREEN Gualiac test for occult blood screening					
28220	Complete kit	30 x 3 tests	15..25 °C	2 ml blood/100 g stool	
HEXAGON OBTI Immunochromatographic 1-step test for occult blood in stool					
28009	Complete kit	24 tests	2..30 °C	Specific for human hemoglobin, 0.05-2000 µg/ml human Hb in transport medium	
HEXAGON PSA Immunochromatographic rapid test for prostate specific antigen (PSA)					
28032	Complete kit	20 tests	2..30 °C	Detection limit 4 ng/ml	

CARDIAC MARKER

Test for the detection of troponin I in serum or plasma – for the diagnosis of myocardial infarction.

REF	FORMAT	UNIT/SIZE	STORAGE	SPECL.CATION	SAMPLE
HEXAGON TROPONIN Immunochromatographic 1-step test for cardiac troponin I					
27032P	Complete kit	20 tests	2..25 °C	Detection limit 0.5 ng/ml	



RAPID SCREENING TESTS

ALLERGY

Test for the detection of total IgE as an aid in the diagnosis of allergies

REF	FORMAT	UNIT/SIZE	Storage	SPECIFICATION	SAMPLE
HEXAGON IgE Immunochromatographic 1-step test for total IgE					
29012	Complete kit	20 tests	2...25 °C	Detection limit ~150 IU/l	   

RHEUMATOLOGY

Latex agglutination tests provide qualitative or semi-quantitative results in just 2 minutes – ideal for a first quick overview.

REF	FORMAT	UNIT/SIZE	STORAGE	SPECIFICATION	SAMPLE
SLE LATEX TEST Latex slide test for serum					
40031	Complete kit	20 tests	2...8 °C		
40030		50 tests			
HUMATEX ASO Latex slide test for non-diluted serum					
40062	Complete kit	40 tests	2...8 °C	200 IU/l Serum	
40063		100 tests			
40060	Latex reagent	100 tests			
see also ASO immunoturbidimetric test					
HUMATEX CRP Latex slide test for non-diluted serum					
40042	Complete kit	40 tests	2...8 °C	6 mg/l Serum	
40043		100 tests			
40040	Latex reagent	100 tests			
see also CRP immunoturbidimetric test					
HUMATEX RF Latex slide test for non-diluted serum					
40052	Complete kit	40 tests	2...8 °C	12 IU/l Serum (semiquant. 12 IU/l)	
40053		100 tests			
40050	Latex reagent	100 tests			
see also RF immunoturbidimetric test					
GLYCIN-NaCl BUFFER					
40037		100 ml	2...8 °C		



HEMOSTASIS

- REAGENTS
- INSTRUMENTS

HEMOSTASIS REAGENTS

Ref	Format	Unit/Size	Storage	Remark	Sample
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REAGENTS

Ref	Format	Unit/Size	Storage	Remark	Sample
NEW HEMOSTAT THROMBOPLASTIN (Liquid Thromboplastin for the determination of prothrombin time (Quick-Test, PT))					
31012	Complete kit	6 x 2 ml (60 tests)	2..8 °C	Liquid stable Rabbit brain extract, ISI = 1.0 – 1.3	
● HEMOSTAT THROMBOPLASTIN- SI Thromboplastin for the determination of prothrombin time (Quick test, PT)					
31002	Complete Kit	6 x 2 ml (60 tests)	2..8°C	Rabbit brain extract ISI = 1.0 - 1.3	Citrate plasma
31003	Complete Kit	6 x 10 ml (300 tests)		CaCl ₂ in the reagent	Citrate plasma
● HEMOSTAT aPTT-EL Activated partial thromboplastin time					
33002	Complete Kit	6 x 4 ml (240 tests)	2..8°C	Rabbit brain extract	Citrate plasma
33012	aPTT Reagent	6 x 4 ml (240 tests)		Liquid stable reagent,	
33013	aPTT Reagent	6 x 10 ml (600 tests)		ellagic acid activator	
33022	CaCl ₂	4 x 30 ml			
● HEMOSTAT FIBRINOGEN Thrombin reagent for the determination of fibrinogen					
32002	Complete Kit	5 x 2 ml (100 tests)	2..8°C	Bovine thrombin with 100 NIH U/ml	Citrate plasma
● HEMOSTAT THROMBIN TIME Thrombin reagent for the manual and automated determination of thrombin time					
34002	Complete Kit	6 x 1 ml (60 tests)	2..8°C		Citrate plasma
● HEMOSTAT D-DIMER Immunoturbidimetric test for quantitative D-dimer determination using HumaClot Junior or HumaClot Duo ^{PL}					
36002	Complete Kit	2 x 20 tests	2..8°C		Citrate plasma

CONTROLS

● HEMOSTAT CONTROL PLASMA Lyophilised / human plasma for the regular quality control of hemostasis tests					
35001	Normal	6 x 1 ml	2..8°C		
35002	Abnormal	6 x 1 ml	2..8°C		
● HEMOSTAT D-DIMER CONTROL HIGH/LOW Lyophilised / human plasma enriched with D-dimer					
36012	(2 x low, 2 x high)	4 x 1 ml	2..8°C		

INSTRUMENTS

PRACTICAL, COST-EFFECTIVE TESTING SOLUTION



● HUMACLOT JUNIOR

High-technology coagulation

- > Zero maintenance
- > 1-channel LED technology
- > offer quarter-volume testing (e.g., 25µl plasma + 50µl thromboplastin)
- > store 8 methods (incl. PT, aPTT, FIB, TT and DD)
- > Clotting, chromogenic and immunoturbidimetric detection
- > Results in seconds, INR, Ratio, Quick % ng/dl, mg/dl
- > Built in incubator
- > Autostart function
- > Dimensions: 20.5 x 15 x 7 cm
- > weight: approx. 0.7 kg
- > 90-264 V, 50-60 Hz

	Cat. No.
HumaClot Junior	18680
HumaClot cuvettes 500 pcs	18690

● ACCESSORY FOR HUMACLOT JUNIOR & HUMACLOT DUO^{Plus}

	Cat. No.
EU 230 VAC Thermoprinter	15651/20
US 120 VAC Thermoprinter	15651/21
JP 100 VAC Thermoprinter	15651/22

● HUMACLOT DUO^{Plus}

Cost-effective coagulation instrument for flow to medium throughput

- > Zero maintenance
- > 2-channel LED technology
- > offer quarter-volume testing (e.g., 25µl plasma + 50µl thromboplastin)
- > Results in seconds, INR, Ratio, Quick % ng/dl, mg/dl, g/l
- > Double cuvette for quick and efficient handling
- > store 8 methods (incl. PT, aPTT, FIB, TT and DD)
- > Clotting, chromogenic and immunoturbidimetric detection
- > Built in incubator and reagent stirring
- > Autostart function or optional autopipette
- > Dimensions: 29 x 20.5 x 8 cm
- > weight: approx. 1.41 kg
- > 94-243 V, 50-60 Hz

	Cat. No.
HumaClot Duo^{Plus}	15660
HumaClot Double cuvettes 250 pcs	15661/10

● ACCESSORY FOR HUMACLOT DUO^{Plus}

	Cat. No.
AutoHumapette 25 µl / 50 µl / 100 µl / 200 µl	19515 A

HUMACOUNT 60^{TS}



HumaSed 25^{mix}



HumaMeter Hb^{Plus}

HEMATOLOGY LINE

➤ REAGENTS AND SYSTEMS

HEMATOLOGY LINE

The automated 3- and 5-part differential hematology systems with 18, 22 and 24 parameters are reliable and easy to use. The HumaCount 5L (Laser) offers an automatic sample loader for up to 100 sample tubes to enhance laboratory efficiency with full automation.

HUMACOUNT 3-PART SYSTEMS



HUMACOUNT 30^{TS}

30 samples/hour

REF 16420/30



HUMACOUNT 60^{TS}

60 samples/hour

REF 16420/60

HumaCount 30^{TS}/60^{TS}

Automated Hematology System

Successful 18 parameter HumaCount further developed for today's needs.

Highlights:

- Built-in thermal printer
- Colour touch screen for easy operation
- Sample rotor for comfortable use
- Open tube sampling
- New liquid handling results reduce costs
- New technology
- External printer options via USB port
- Uni-directional connection to LIMS
- Veterinary mode (HumaCount 30^{TS} only)
- 230/110 VAC

SYSTEM REAGENTS – HUMACOUNT

REF	Unit/Size	Storage
HC-DILUENT		
17400/10	20 l	15..35 °C

HC-LYSE CF (Cyanid-free reagent)		
17400/20	1 l	15..35 °C

HC-CLEANER (High-quality cleaning)		
17400/30	1 l	15..35 °C

HC-CONTROL (Levels 1, 2, 3)		
17400/40	3 x 2.5 ml	2..8 °C

HumaCount reagents are suitable for HumaCount 30^{TS}/60^{TS} and for previous models HumaCount/HumaCount_{plus}.

Accessories

REF	Description
16350/300	Tube Adapter I
16350/301	Tube Adapter II
16350/302	Tube Adapter III
18961	UPS1 KVA / 230V

Consumables

REF	Description
18144/5	Thermal Printer Paper (5 pcs.)
16420/324	Reagent Tubing Kit



HEMATOLOGY LINE

HUMACOUNT 5-PART SYSTEMS

REF 16430

NEW



HumaCount 5L

Automated Hematology System

Using laser technology for 5-part differentiation. Laser-scatter is HUMAN's latest hematology technology.

Highlights:

- With a speed of 60 samples/hour and 24 parameters this system matches requirements of medium to large laboratories
- Additional flags for Large Immature Cells (LIC) and A-typical LYmphocytes (ALY)
- Optional auto sampler
- STAT operation with closed or open tube
- Large colour touch screen and the built-in barcode reader (auto sampler only) designed for ease of use and positive sample identification
- Bi-directional connection to LIMS (HL7 standard)
- 230/110 VAC

SYSTEM REAGENTS – HUMACOUNT 5L

REF	Unit/Size	Storage
HCSSL-DILUENT		
16430/20	20 l	15...35 °C

HCSSL-LYSE CF (Cyanid-free reagent)		
16430/30	5 l	15...35 °C

HCSSL-Diff		
16430/40	1 l	15...35 °C

CD Diff CONTROL (Multi-parameter)		
3838	2 x 3 x 3 ml	2...8 °C

Accessory	
REF	Description
16430/10	Autosampler

Consumable	
REF	Description
16430/14	Reagent Tubing kit



HEMATOLOGY LINE

HUMACOUNT FLOW CYTOMETER

NEW

REF 90050



HUMACOUNT CD4^{now}

CD4/CD4% Flow Cytometer and Hematology System
Point of Care AIDS monitoring by CD4 and CD4 system using robust LED-technology for flow-cytometry and 4-part differentiation. It is HUMAN's latest cell-count product.

- CD4, monitoring of Anti-Retroviral-Therapy (ART)
- CD4 stable parameter, also in pediatric care
- 8 min. time to result
- Robust design
- 12 parameters
- Designed for remote operation
- Heat stable reagents 2-30°C
- Monoclonal antibodies coupled to lyophilized gold
- Reduced risk of infection due to closed tube sampling
- Robust LED scatter technology
- Automated gating, no interpretation of "dot plots"
- Sample-in, result-out automation
- No manual preparation steps
- Easy to use
- Battery pack and solar panel
- 230/110 VAC

One Sample. One System. One Visit

Accessories

REF	Description
90180	Portable Battery Power System (110V)
90181	Solar Charge System
90182	Transport Case (device, printer, bar code reader)
90184	Dust Cover (African batic)

Consumables

REF	Description
73040/12	HumaTube K3 EDTA (12 x 100 Tubes)
73132	HumaTube PEN 22G (40 x 100 needles)
73100	HumaTube Holder (20 x 100 holders)
90183	Solid Waste Container
90140	Waste Tablet Kit (6 Tablets)



CD4^{now} GoldPack

HEMATOLOGY LINE

NEW SYSTEM REAGENTS – HUMACOUNT CD4^{now}

REF	Format	Unit/Size	Storage	Sample
CD4 ^{now} Reagent Kit				
90100	1 DailyCheckControls (3 low, 3 normal) 1 GoldPack (5 Gold, 5 Reconstitution, 5 Accelerant) 3 LiquiPacks (Lyse, Clean, Diluent), 6 Waste tablets	100 tests	2...30 °C	
CD4 ^{now} GoldPack				
90110	5 Gold, 5 Reconstitution, 5 Accelerant	100 tests	2...30 °C	
CD4 ^{now} LiquiPack				
90120	5 boxes (Lyse, Clean, Diluent)	165 tests	2...30 °C	
CD4 ^{now} DailyCheckControl Kit				
90130	3 low, 3 normal	100 tests	2...42 °C	
CD4 ^{now} Preventive Maintenance Kit				
90170	Bleach, SuperWash, Silicon grease	50 weeks	2...21 °C	
CD4 ^{now} Bleach Kit				
90150		50 weeks	2...21 °C	
CD4 ^{now} SuperWash Kit				
90160		50 weeks	2...42 °C	
CD4				
90132	Control normal (Scatter control)	4 ml	2...10 °C	
CD4				
90131	Control low (Scatter control)	4 ml	2...10 °C	


Plasma
EDTA



CD4^{now} DailyCheckControl Kit

HEMATOLOGY LINE



	HUMACOUNT 30 ⁱ	HUMACOUNT 60 ⁱ	HUMACOUNT 5	HUMACOUNT 5L	HUMACOUNT CD4™
CD4 / CD4%					X
WBC	X	X	X	X	X
LYM / LYM%	X	X	X	X	X
MON / MON%	X	X	X	X	X
NEU / NEU%			X	X	X
EOS / EOS%			X	X	X
BAS / BAS%			X	X	
GRA / GRA%	X	X			
RBC	X	X	X	X	
HCT	X	X	X	X	
MCV	X	X	X	X	
RDWcv	X*	X	X*	X	
RDWsd	X*	X	X*	X	
HGB	X	X	X	X	X
MCH	X	X	X	X	
MCHC	X	X	X	X	
PLT	X	X	X	X	
PCT	X	X	X	X	
MPV	X	X	X	X	
PDWcv	X*	X	X*	X	
PDWsd	X*	X	X*	X	

* SD or CV (not measurable at the same time)

HEMATOLOGY LINE

HUMASed ANALYZERS

HUMASed ESR-SYSTEMS

HUMAN's systems and consumables for ESR determination!

The HumaSed Line – HUMAN's ESR Analyzers for rapid determination of the Erythrocyte Sedimentation Rate in plasma. HUMAN offers instruments with various capacities designed for laboratories from low to high throughput. Only HumaSed vacuum and non-vacuum tubes are optimized and approved for use on HumaSed ESR-systems.

HUMASed 25^{MIX}

REF

15025

5 channel erythrocyte sedimentation rate system

- Closed system
- Built-in automatic mixing
- Random and batch loading
- Throughput up to 25 tests per hour
- 230/110 VAC



Accessories

REF	Description
15025/10	Thermal Printer VP-510
15025/11	Barcode Scanner
15025/12	RS-232 COM Port Splitter

Consumables

REF	Description
15005/10	HumaSed Vacuum Tubes (20 x 50 tubes)*
15006/10	HumaSed Non-Vacuum Tubes (20 x 50 tubes)*
18144/5	Thermal Printer Paper (5 pcs.)

* Can also be used for former HumaSed 20 and HumaSed 40 systems

HUMASed 100^{MIX}

REF

15010

20 channel erythrocyte sedimentation rate system

- Closed system
- Built-in automatic mixing
- Random and batch loading
- Throughput up to 70 tests per hour
- 230/110 VAC



HEMOGLOBIN METER

HUMAMETER Hb^{PLUS}

EASY TO OPERATE

FLEXIBLE AND UNIQUE CONCEPT

SPECIAL FEATURES:

- > Reliable and accurate results in seconds
- > measuring time <10 seconds
- > Results from 0-30 g/dl
- > Precalibrated, Portable instrument
- > Simple intuitive operation
- > Modern, extremely durable optics
- > Tough construction designed for use even under adverse conditions
- > Suitable for paediatric testing; only 20µl sample volume
- > reagent and control shelf life 3 years even under extrem climatic conditions
- > Open for other clinical chemistry tests

SPECIAL ADVANTAGE:

- > Clinical Use:
 - Screening disease course and therapeutic monitoring of anemia
- > Blood Banks > Laboratories
- > Doctors' offices > Point-of-care testing
- > Dialysis centres > Transfusion centers
- > Neonatal and paediatric testing

- > Easy to Use - 4 Simple Steps
 - 1- Blood collection, 20 µl capillary, venous or arterial blood
 - 2- Addition of the sample into the cuvette and mixing (with capillary or pipette)
 - 3- Insert the cuvette into the photometer
 - 4- Results in 10 seconds



TECHNICAL DATA

Sample Volume: 20 µl

Measuring Range: 0.1 - 30 g/dl (5-300g/l)

Wavelength : 574 nm-specific LED

Detector: Photodiode, recording range 200-1000nm

Measuring principle : Transmission /absorption

Memory : Up to 1000 results including date and Time

Power : Rechargeable batteries or 100/240 V/AC

Interface: USB port 1.1

Reagent: Reagent Gb cuvettes,
cuvettes are prefilled with 3 ml reagent

Method : Prevalibrated

Quality control : 2-level control

		Cart. No.
Humameter Hb^{Plus}	Photo meter	16070
Reagent Hb	100 tests	16070/1
Control set Hb	2-level control reagent	16070/3



ELISA LINE















Your Advantages:

- > Open System
- > Instruments for all kinds of laboratories
- > Broad range of parameters
- > Proven quality
- > Unique solutions
- > Instruments for all kinds of laboratories from low to high throughput
- > Optimised to meet your needs
- > easy to use and flexible
- > Broad range of parameter, steady growing
- > High quality Products CE
- > More than 150 assays available for detection of
 - Infectious Diseases
 - Hormones
 - Tumor Markers
 - Autoimmune Disease (IMTEC Line)

ELISA LINE

THE REAGENTS

INFECTIOUS DISEASES

REF	Format	Unit/Size	Storage	Remark	Sample
CMV (Cytomegalo Virus)					
51203	IgG	96 tests	2..8 °C	PEI calibration	
51103	IgM				
CHAGAS REC					
51150	IgG	96 tests	2..8 °C		
CHLAMYDIA TRACHOMATIS					
51228	IgG	96 tests	2..8 °C		
51328	IgA				
DENGUE					
51240	IgG	96 tests	2..8 °C		
51140	IgM				
EBV (Epstein-Barr Virus)					
51204	IgG	96 tests	2..8 °C		
51104	IgM				
H. PYLORI					
51222	IgG	96 tests	2..8 °C		
51322	IgA				
HBsAg					
51048	Antigen test	96 tests	2..8 °C	PEI calibration	  
anti-HBs					
51255	Antibody test	96 tests	2..8 °C	PEI calibration	  
anti-HBc					
51260	Antibody test	96 tests	2..8 °C	PEI calibration	  



ELISA test for the detection of dengue



ELISA test for the detection of HBsAg



Serum



Plasma
EDTA










Plasma
HEP

ELISA LINE

THE REAGENTS










INFECTIOUS DISEASES

REF	Format	Unit/Size	Storage	Remark	Sample
anti-HCV					
51275	Antibody test	96 tests	2...8 °C	Recomb. antigens	  
anti-HIV-1/2					
51205C	Antibody test	96 tests	2...8 °C	Recomb. antigens	  
HIV Ag/Ab					
51215	Antigen test	96 tests	2...8 °C	Recomb. antigens	  
	Antibody test			Monocl. antibodies	
HSV (Herpes Simplex Virus)					
51216	HSV 1 IgG	96 tests	2...8 °C		
51226	HSV 2 IgG				
51126	HSV IgM				
MEASLES Virus					
51206	IgG	96 tests	2...8 °C	WHO calibration	
51106	IgM				
MUMPS Virus					
51207	IgG	96 tests	2...8 °C		
51107	IgM				
RUBELLA Virus					
51208	IgG	96 tests	2...8 °C	WHO calibration	
51108	IgM				
SYPHILIS SCREEN					
51005	Antibody test	96 tests	2...8 °C		  
Toxo (Toxoplasma gondii)					
51209	IgG	96 tests	2...8 °C	WHO calibration	
51119	IgM μ -capture				
VZV (Varicella-Zoster Virus)					
51210	IgG	96 tests	2...8 °C	WHO calibration	
51110	IgM				

ELISA LINE

THE REAGENTS

HORMONES

REF	Format	Unit/Size	Storage	Remark	Sample
CORTISOL					
55050	Antigen test	96 tests	2..8 °C		
DHEA-S (Dehydroepiandrosterone Sulphate)					
55060	Antigen test	96 tests	2..8 °C		
ESTRADIOL					
55030	Antigen test	96 tests	2..8 °C		
ESTRIOL					
55040	Antigen test	96 tests	2..8 °C		
FSH (Follicle Stimulating Hormone)					
53020	Antigen test	96 tests	2..8 °C	WHO calibration	
hCG (human Chorionic Gonadotropin)					
53040	Antigen test	96 tests	2..8 °C	WHO calibration	
LH (Luteinising Hormone)					
53010	Antigen test	96 tests	2..8 °C	WHO calibration	
PRL (Prolactin)					
53030	Antigen test	96 tests	2..8 °C	WHO calibration	
PROGESTERONE					
55020	Antigen test	96 tests	2..8 °C		



Serum



Plasma
EDTA



Plasma
HEP

ELISA LINE

THE REAGENTS

HORMONES

REF	Format	Unit/Size	Storage	Remark	Sample
TESTOSTERONE					
55010	Antigen test	96 tests	2...8 °C		
T3 (total Triiodothyronine)					
54010	Antigen test	96 tests	2...8 °C		
FT3 (free Triiodothyronine)					
54015	Antigen test	96 tests	2...8 °C		
T4 (total Thyroxine)					
54020	Antigen test	96 tests	2...8 °C		
FT4 (free Thyroxine)					
54025	Antigen test	96 tests	2...8 °C		
TSH (Thyrotropin)					
54030	Antigen test	96 tests	2...8 °C	WHO calibration	
IMTEC-TSH RECEPTOR ANTIBODIES					
ITC85030	Antibody test	96 tests	2...8 °C	WHO calibration	
IMTEC-TG- ANTIBODIES					
ITC85010	IgG	96 tests	2...8 °C	WHO calibration	
IMTEC-TPO- ANTIBODIES					
ITC85020	IgG	96 tests	2...8 °C	WHO calibration	



FT3 (free Triiodothyronine)

ELISA LINE

THE REAGENTS

TUMOR MARKERS

REF	Format	Unit/Size	Storage	Remark	Sample
AFP (Alpha-Fetoprotein)					
52010	Antigen test	96 tests	2...8 °C	WHO calibration	
CA 125 Ag					
52050	Antigen test	96 tests	2...8 °C		
CA 15-3 Ag					
52080	Antigen test	96 tests	2...8 °C		
CA 19-9 Ag					
52060	Antigen test	96 tests	2...8 °C		
CEA (Carcinoembryonic Antigen)					
52020	Antigen test	96 tests	2...8 °C	WHO calibration	
PSA (Prostate Specific Antigen)					
52030	Antigen test	96 tests	2...8 °C	WHO calibration	
fPSA (free Prostate Specific Antigen)					
52035	Antigen test	96 tests	2...8 °C	WHO calibration	



ELISA for the determination of cancer antigen 15-3 (CA 15-3)

ALLERGY

REF	Format	Unit/Size	Storage	Remark	Sample
TOTAL IgE (Immunoglobulin E)					
51015	IgE	96 tests	2...8 °C	WHO calibration	



Serum

ELISA LINE

WASHER & READER

REF 16670



HUMAREADER HS

Microtiter plate reader

- User programmable, all HUMAN ELISA tests pre-programmed
- Memory for 200 tests and 10.000 results
- Touchscreen, Windows Software
- 8 filter wheel, 405, 450, 492, 630 nm installed
- 230/110 VAC

Accessories

REF	Description
16670/491	PC Mouse with USB
18993L	Laser Printer HP
18992L	Laser Printer Kyocera
16670/51	Filter Optical 412 nm*
16670/52	Filter Optical 420 nm*
16670/53	Filter Optical 490 nm*
16670/54	Filter Optical 505 nm*
16670/55	Filter Optical 520 nm*
16670/56	Filter Optical 540 nm*
16670/58	Filter Optical 545 nm*
16670/59	Filter Optical 546 nm*
16670/57	Filter Optical 550 nm*
16670/63	Filter Optical 570 nm*
16670/60	Filter Optical 578 nm*

Accessories

REF	Description
16670/62	Filter Optical 590 nm*
16670/61	Filter Optical 595 nm*
16670/67	Filter Optical 600 nm*
16670/65	Filter Optical 650 nm*
16670/66	Filter Optical 655 nm*
16670/64	Filter Optical 690 nm*
16670/68	Filter Optical 700 nm*
16670/69	Filter Optical 750 nm*
16670/44	Neutral Density Filter 30
16670/45	Neutral Density Filter 40
16670/46	Neutral Density Filter 50
16670/47	Neutral Density Filter 60
16670/48	Neutral Density Filter 70

*Neutral Density Filters must be ordered separately!

WORKSTATION

With the Combiwash, HUMAN offers a unique workstation for the washing, shaking and incubation of microtiter plates. Flexible washing protocols can be programmed; shaking and incubation are also freely definable.

REF 18460



COMBIWASH

Automatic microtiter plate washer and shaker incubator

- Up to 100 wash protocols
- 4 different wash bottles
- 2 incubator positions
- Plate shaking ability
- 230 VAC

Accessories

REF	Description
18460/5	12-pin Manifold
18460/26	110 VA Transformer

ELISA LINE

ELISA AUTOMATED ANALYZERS

FOR ALL KIND OF LABORATORIES.

Fully automated ELISA analyzer

ELISYS UNO

*One-plate fully automated ELISA analyzer
for all kind of laboratories*

- > Ideal entry into ELISA-automation
- > Optimised to meet your needs
- > Walk away loading capacity
- > Direct use of HUMAN and IMTEC kit components
- > Compining of up to 8 parameters simultaneously
- > Preprogrammed for all available HUMAN and IMTEC tests
- > Excellent cost /performance ratio
- > Easy to use software with self-explanatory structure
- > Time-management and QC modules
- > Interface for LIS communications
- > Dimensions: 113 x 55 x 40 cm
- > 230 / 110 Vac, 160VA

Cart. No. 16670



ELISYS DUO

*Fully automated ELISA analyzer
Best Solution for the medium throughput segment*

- > Up to 3 plates simultaneously
- > Built-in- PC with windows software and touch screen
- > Open system
- > Walk away loading capacity
- > Up to 8 different tests on one plate
- > Continuous loading of samples, reagents and plates
- > Sample and reagent barcode reader in build
- > Direct use of HUMAN/IMTEC kit components
- > No carry over (disposable carbon tips)
- > Event log documentation
- > Clot and bubble detection
- > QC Control program
- > in-process-control feautures
- > Time management software
- > ASTM interface for bi-directional communication
- > Dimentions 120 x 82 x 110 cm

Cart. No. 17200



ELISA LINE

ELISA AUTOMATED ANALYZERS

ELISYS QUATTRO



*Fully automated ELISA analyzer for
Medium and high throughput*

- > Up to 7 plates simultaneously
- > 4 independent incubators
- > Open system
- > Walk away loading capacity
- > Up to 8 different tests on one plate
- > Continuous loading of samples, reagents and plates
- > Sample and reagent barcode reader in build
- > Direct use of HUMAN/IMTEC kit components
- > No carry over (disposable carbon tips)
- > Event log documentation
- > Clot and bubble detection
- > QC Control program
- > in-process-control features
- > Time management software
- > ASTM interface for bi-directional communication
- > Dimensions 111 x 86 x 118 cm

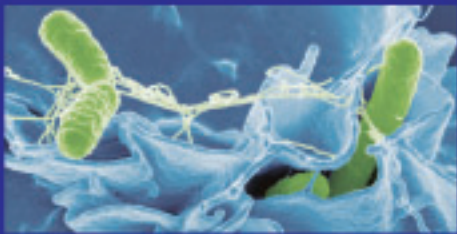
Cart. No. 16300

ELISA LINE

ELISA AUTOMATED ANALYZERS



	Elisys Uno	Elisys Duo	Elisys Quattro
Analyzer type	1 plate fully automated ELISA analyzer	2 plate fully automated ELISA analyzer	4 plate fully automated ELISA analyzer
Plate loading capacity	1 plate/run	Up to 3 plates/run	Up to 7 plates/run
Samples positions	96 (without predilution)	Max. of 144 tubes	Max. of 180 tubes
Reagent positions	27 positions on one rack	40 positions on five reagent racks	60 positions on five reagent racks
Internal barcode reader	No	Sample ID, rack type	Sample ID, rack type
Pipetting system	1 steel needle (no tips)	300µl and 1100µl Carbon tips (conductive)	300µl and 1100µl Carbon tips (conductive)
Number of tips	No	Up to 3 tip racks for 300 µl or 1100 µl disposable tips	Up to 5 tip racks for 300 µl, or 1100 µl disposable tips
On-board capacity tips	0 tips	288 tips	480 tips
Computer	External	Internal	External
Interfaces	USB	USB, VGA, LAN	RS 232
LIS	Restricted bidirectional	Bidirectional	Bidirectional
LIS Protocol	Free definable	ASTM E 1394 ASTM E 1381 Free definable	ASTM E 1394 ASTM E 1381 Free definable



IMTEC

Detectable Autoantibodies – by IMTEC LIA's *at a glance*

LIA

Autoantibody	ANA-Maxx	ANA	Myositis	LIVER	VASCULITIS	GASTRO
REF	ITC92005	ITC92000	ITC60200	ITC66205	ITC82040	ITC30701
dsDNA	X	X				
Nucleosome	X	X				
Histone	X	X				
SmD1	X	X				
PCNA	X					
P0 (RPP)	X	X				
SS-A/Ro 60	X	X				
SS-A/Ro 52	X	X				
SS-B/La	X	X				
CENP-B (Centromere)	X	X				
Scl70	X	X				
U1-snRNP	X	X	X			
AMA M2	X			X		
Jo-1	X	X	X			
PM-Scl	X		X			
Mi-2	X		X			
Ku	X		X			
SP100				X		
LKM-1				X		
gp210				X		
LC1				X		
SLA				X		
PR3					X	
MPO					X	
GBM					X	
Gladin						X
tTG						X
ASCA						X
PCA						X
Intrinsic Factor						X





ANA-LIA Maxx
Page 64

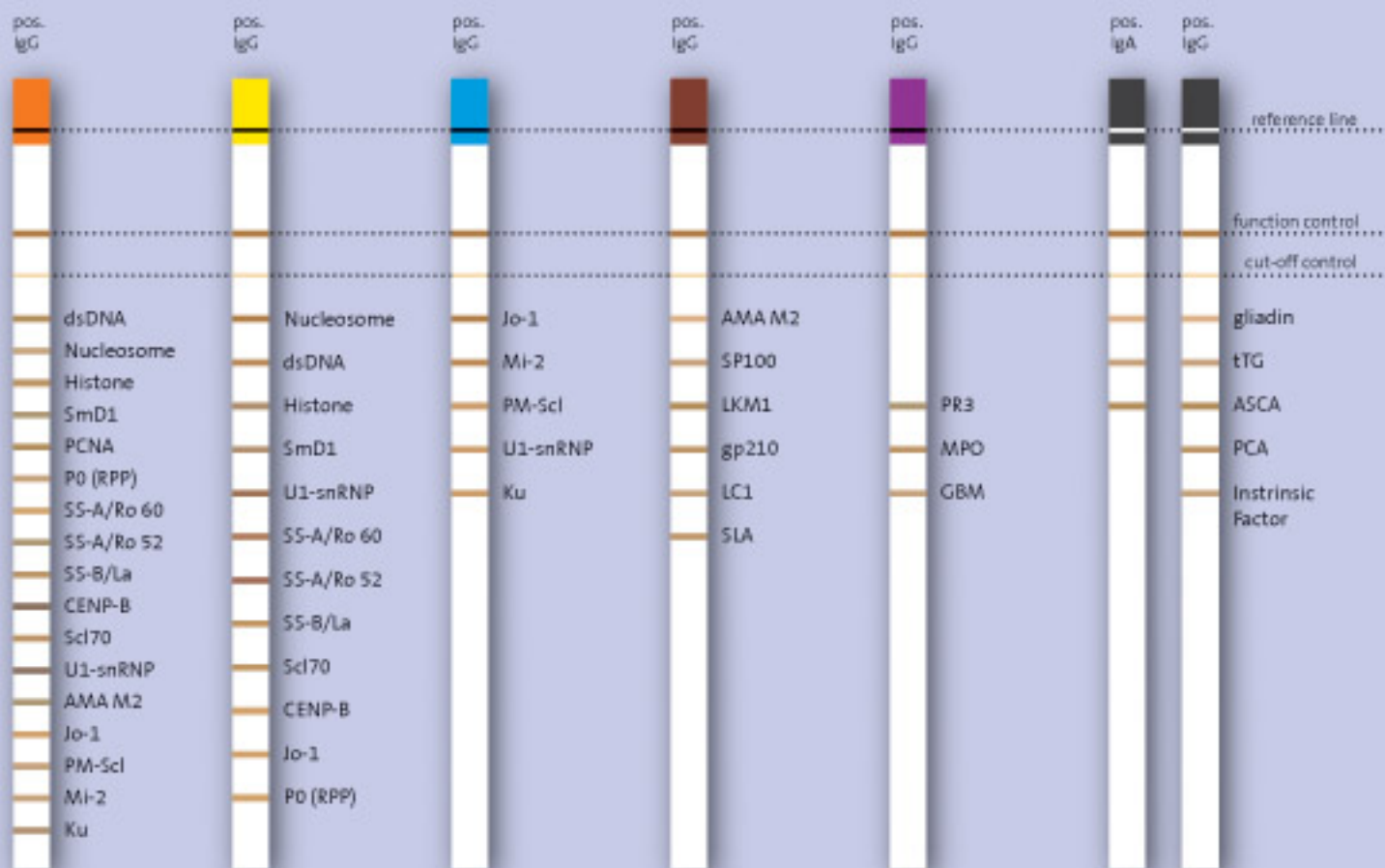
ANA-LIA
Page 65

Myositis-LIA
Page 66

LIVER-LIA
Page 67

VASCULITIS-LIA
Page 68

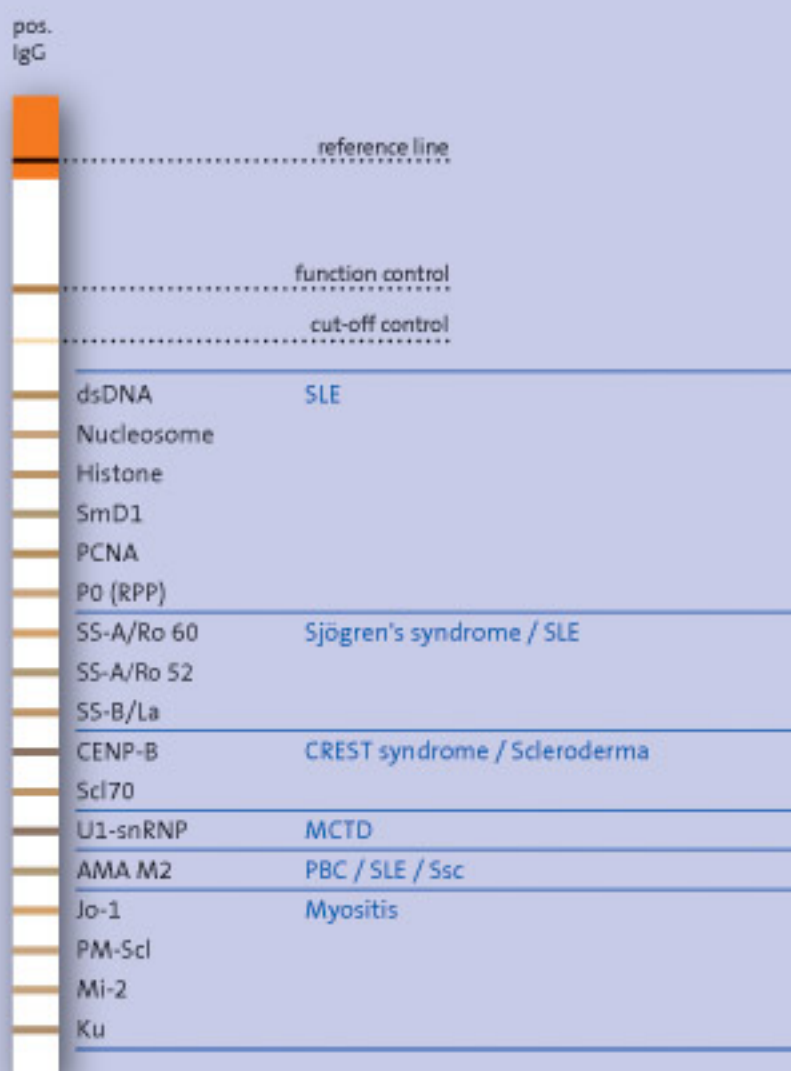
GASTRO-LIA
Page 69



IMTEC – ANA-LIA Maxx

ANA-LIA Maxx is designed to optimize differential diagnosis of rheumatoid diseases using 17 different antigens on a single strip. The unique combination of antigens enables the qualitative detection of a large variety of autoimmune diseases: systemic lupus erythematosus (SLE), Sjögren's syndrome (SS), CREST (calcinosis, Raynaud's, esophageal dysmotility, sclerodactyly and telangiectasia) syndrome, systemic scleroderma (Ssc), mixed connective tissue diseases (MCTD), primary biliary cirrhosis (PBC) and myositis.

REF	Format	Unit/Size	Antigen	No. of antigens	Calibration	Colour coding
ITC92005	IgG	24	dsDNA, Nucleosome, Histone, SmD1, PCNA, P0, SS-A/Ro 60, SS-A/Ro 52, SS-B/La, CENP-B, Scl70, U1-snRNP, AMA M2, Jo1, PM-Scl100, Mi-2 and Ku 70/80	17	Qualitative, internal function and cut-off control	orange



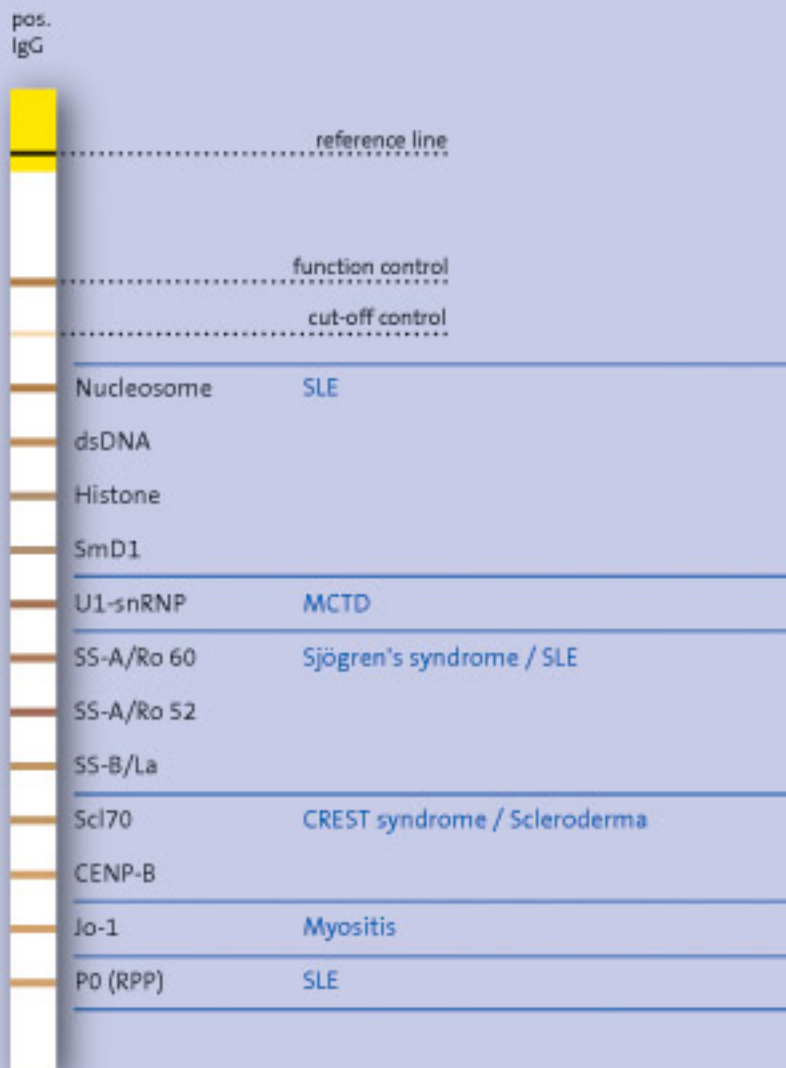
For rheumatic diseases refer to diagnostic scheme page 29

IMTEC – ANA-LIA

IMTEC ANA-LIA enables the detection of 12 different anti-nuclear antibodies (ANA). This test is ideal for screening and confirmation of positive ANAs.

ANAs are found in systemic inflammatory rheumatic diseases like mixed connective tissue diseases (MCTD), systemic lupus erythematosus (SLE), Sjögren's syndrome and are also indicative of autoimmune hepatitis (AIH). ANAs occur in variable frequencies in almost all other autoimmune diseases.

REF	Format	Unit/Size	Antigen	No. of antigens	Calibration	Colour coding
ITC92000	IgG	24	Nucleosome, dsDNA, Histone, SmD1, U1-snRNP, SS-A/Ro 60, SS-A/Ro 52, SS-B/La, Scl70, CENP-B, Jo1 and P0	12	Qualitative, internal function and cut-off control	yellow

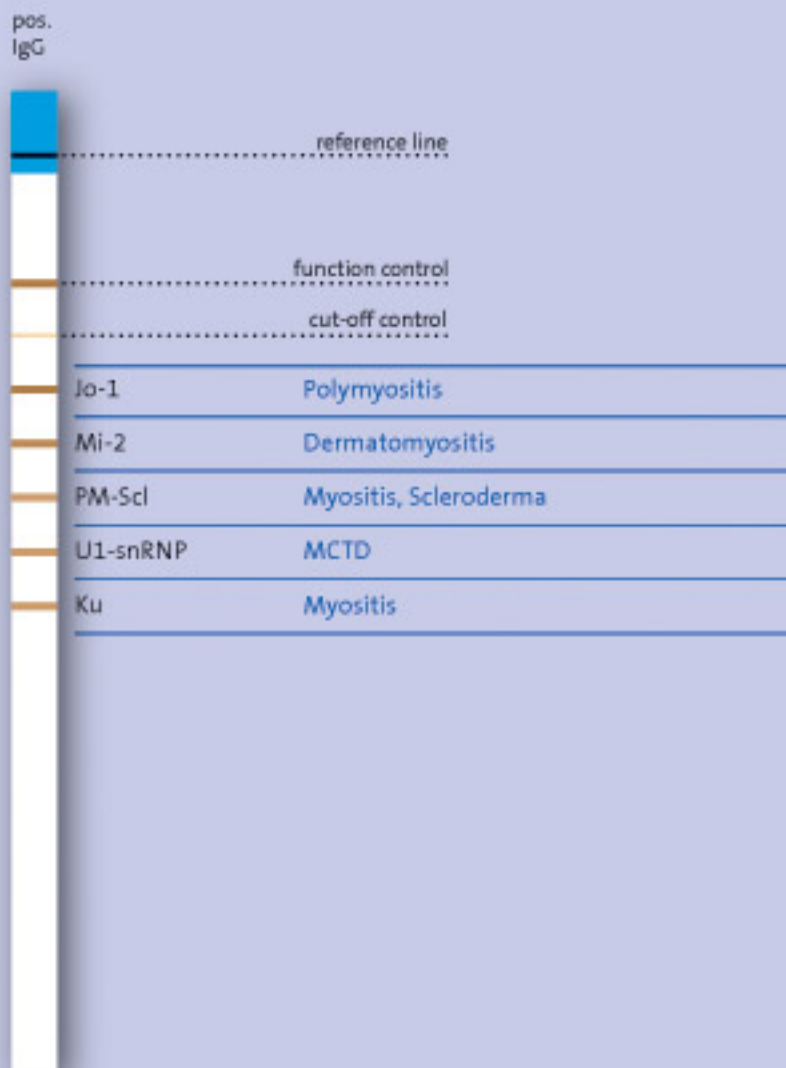


For rheumatic diseases refer to diagnostic scheme page 29

IMTEC – Myositis-LIA

The IMTEC Myositis-LIA enables the screening of 5 autoantibodies that are specific for myositis and myositis-related syndromes. PM/Scl autoantibodies are diagnostic markers for mixed connective tissue disease with myositis and symptoms of systemic sclerosis. 50-70% of PM/Scl-positive patients have a polymyositis and scleroderma overlapping syndrome. 20% have idiopathic myositis and 10% have scleroderma. Jo-1 is a specific marker for polymyositis whereas Mi-2 autoantibodies mainly appear in dermatomyositis. Ku autoantibodies are detectable in 1-7% of myositis patients.

REF	Format	Unit/Size	Antigen	No. of antigens	Calibration	Colour coding
ITC60200	IgG	24	Jo1, Mi-2, PM-Scl100, U1-snRNP, Ku70/80	5	Qualitative, internal function and cut-off control	blue

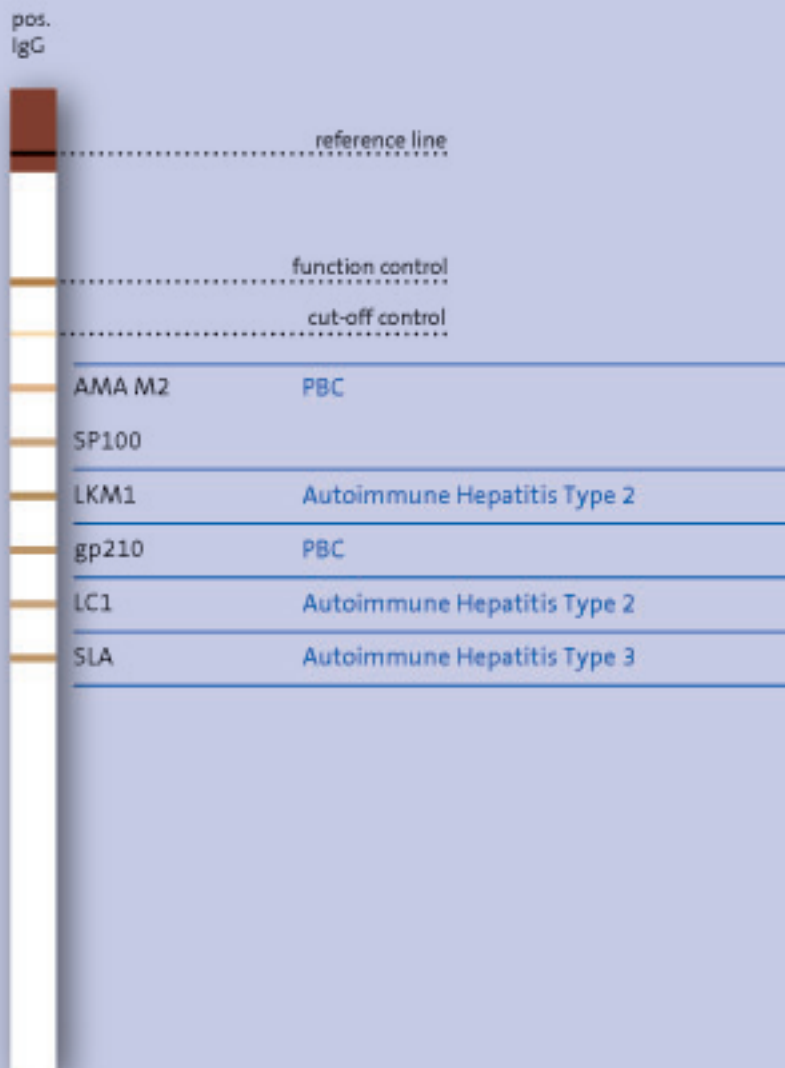


IMTEC – Liver-LIA S

The IMTEC Liver-LIA S is designed for fast and reliable differential diagnosis of autoimmune hepatitis. The diagnosis and differentiation of autoimmune-related liver diseases is mainly based on the detection of specific autoantibodies in patient sera. The combination of several parameters increases the sensitivity and specificity of the applied diagnostic method.



REF	Format	Unit/Size	Antigen	No. of antigens	Calibration	Colour coding
ITC66205	IgG	24	AMA M2, Sp100, LKM1, gp210, LC1, SLA	6	Qualitative, internal function and cut-off control	brown



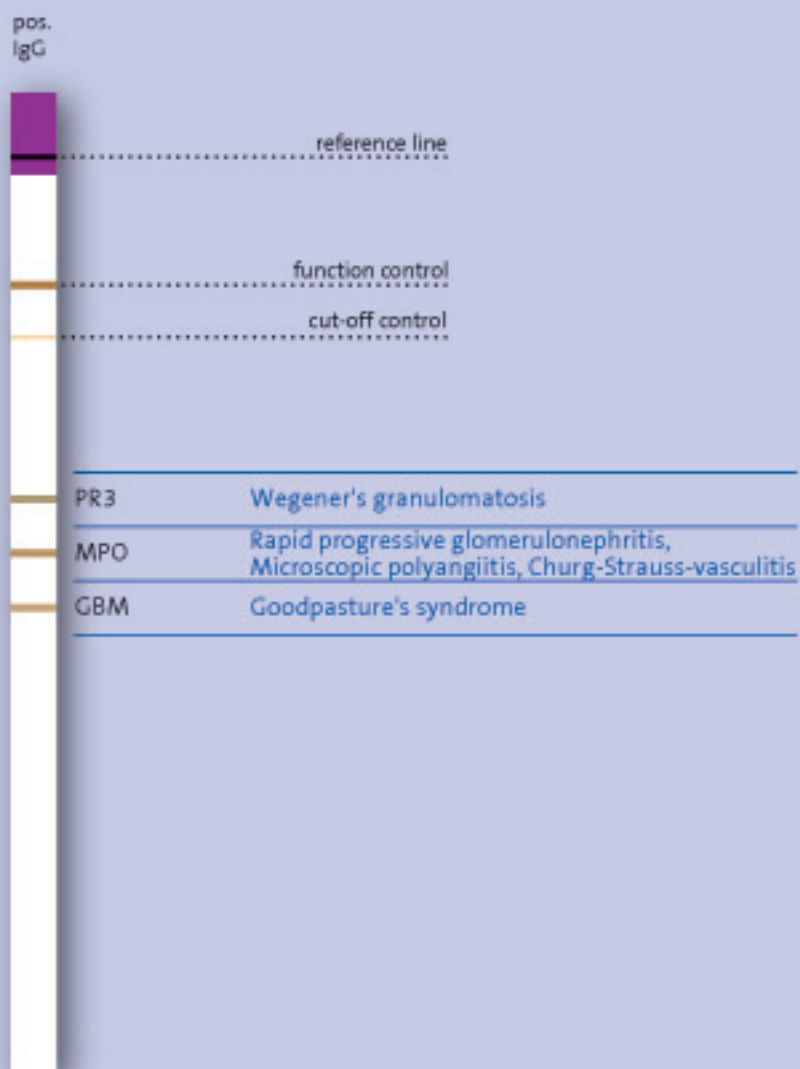
For autoimmune liver diseases refer to diagnostic scheme page 42 + 43

IMTEC – Vasculitis-LIA

IMTEC Vasculitis-LIA is designed for the differential diagnosis of autoimmune vasculitis.

Anti-neutrophil cytoplasmic autoantibodies (ANCA) associated diseases like Wegener's granulomatosis, Churg-Strauss-vasculitis or microscopic polyangiitis can be detected by testing for autoantibodies targeting proteinase 3 (PR3, cANCA) or myeloperoxidase (MPO, pANCA). Glomerular basement membrane (GBM) autoantibodies are specific for the diagnosis of Goodpasture's syndrome.

REF	Format	Unit/Size	Antigen	No. of antigens	Calibration	Colour coding
ITC82040	IgG	24	PR3, MPO and GBM	3	Qualitative, internal function and cut-off control	purple

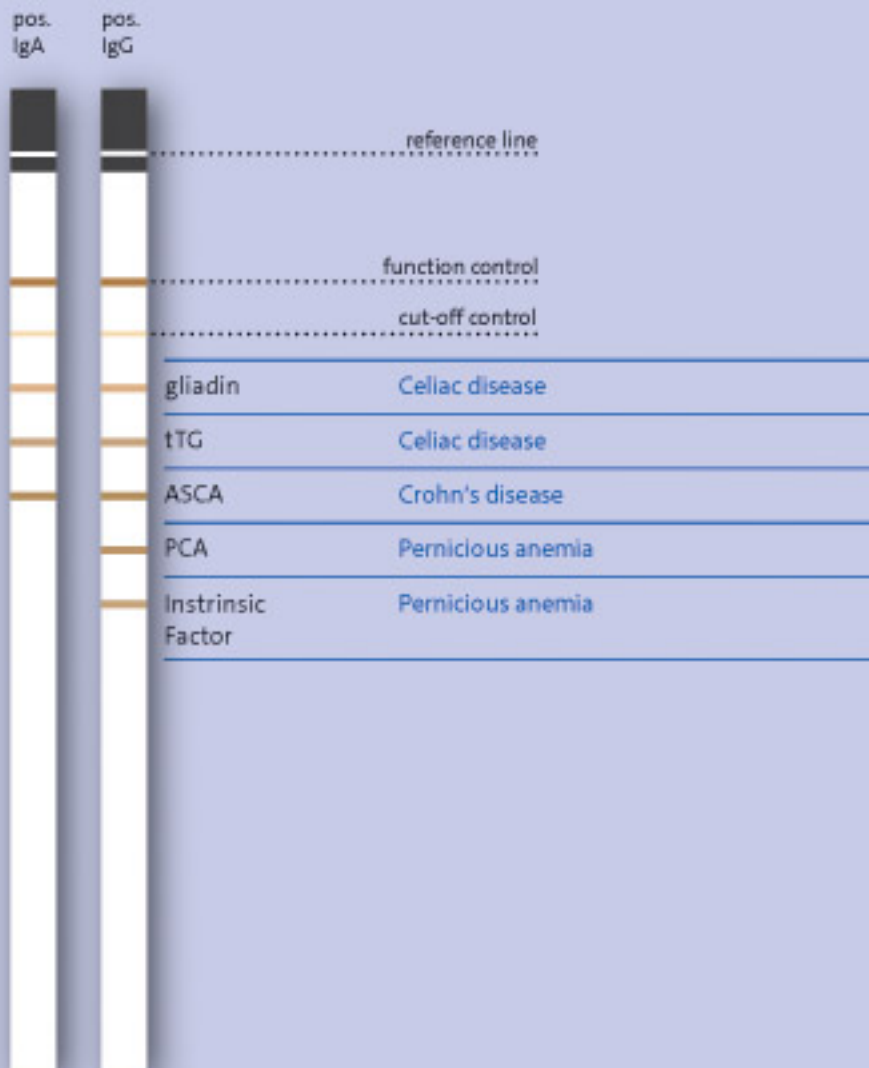


IMTEC – Gastro-LIA

IMTEC Gastro-LIA is used for detection of IgA and IgG autoantibodies of autoimmune gastrointestinal diseases. Both gliadin and tissue transglutaminase (tTG) are specific autoantibody markers for Celiac disease. Anti-saccharomyces cerevisiae mannan antibodies (ASCA) are seen in Crohn's disease. Pernicious anemia can be detected by anti-parietal cell antibodies (PCA) and Intrinsic factor (IF) autoantibodies.



REF	Format	Unit/Size	Antigen	No. of antigens	Calibration	Colour coding
ITC30701	IgG	24	Gliadin, Tissue Transglutaminase, ASCA, PCA, Intrinsic Factor	5	Qualitative, internal function and cut-off control	black





HumaScan

The HumaScan software is designed for rapid, easy and objective interpretation of the LIA results. The diagnostic report is generated within a few minutes. Specific autoantibody bands are identified and graphically displayed in an intensity profile for a single patient summary as well as the complete report.



REF ITC02851

HumaScan Software CD +CanoScan LiDE 210 Scanner

Automated analysis of Line Immuno Assays

Objective band interpretation

- The sensitive system enables objective and reproducible band interpretation

Results in a few seconds

- From single test strip to high throughput screening
- HumaScan takes only seconds to create a complete patient report

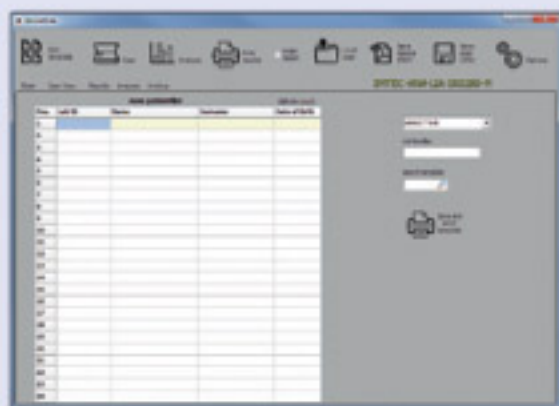
Archival storage

- Archive of total scans, single strips and patient results

HumaScan System Requirements	
OS	Windows 7, XP, Vista
Processor	Intel / AMD, 2.0GHz
RAM	2 GB
Hard Drive	100 MB free space
Free USB	2x

Easy LIA strip analysis in just 3 steps

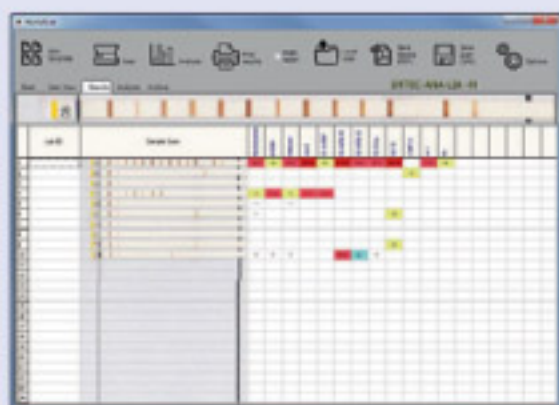
1 Prepare and print template



2 Scan template with attached LIA strips



3 Read, print and archive LIA results





HUMAN - IMTEC - ELISA REAGENTS

| REF

| Format

| Unit / Size

| Antigen

| Calibration

RHEUMATOID ARTHRITIS

IMTEC-CCP-ANTIBODIES

ITC60021	IgG	96	Cyclic citrullinated peptide (CCP2)	Quantitative, 25/50/200/800/1600 U/ml
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IMTEC-RA33-ANTIBODIES

ITC60015	IgG	96	RA33, recombinant	Quantitative, 12.5/25/50/100/200 U/ml
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IMTEC-RF SCREEN

ITC60000	IgG/IgA/IgM	96	Rabbit IgG	Quantitative, 12.5/25/50/100/200 U/ml
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IMTEC-RF IgG

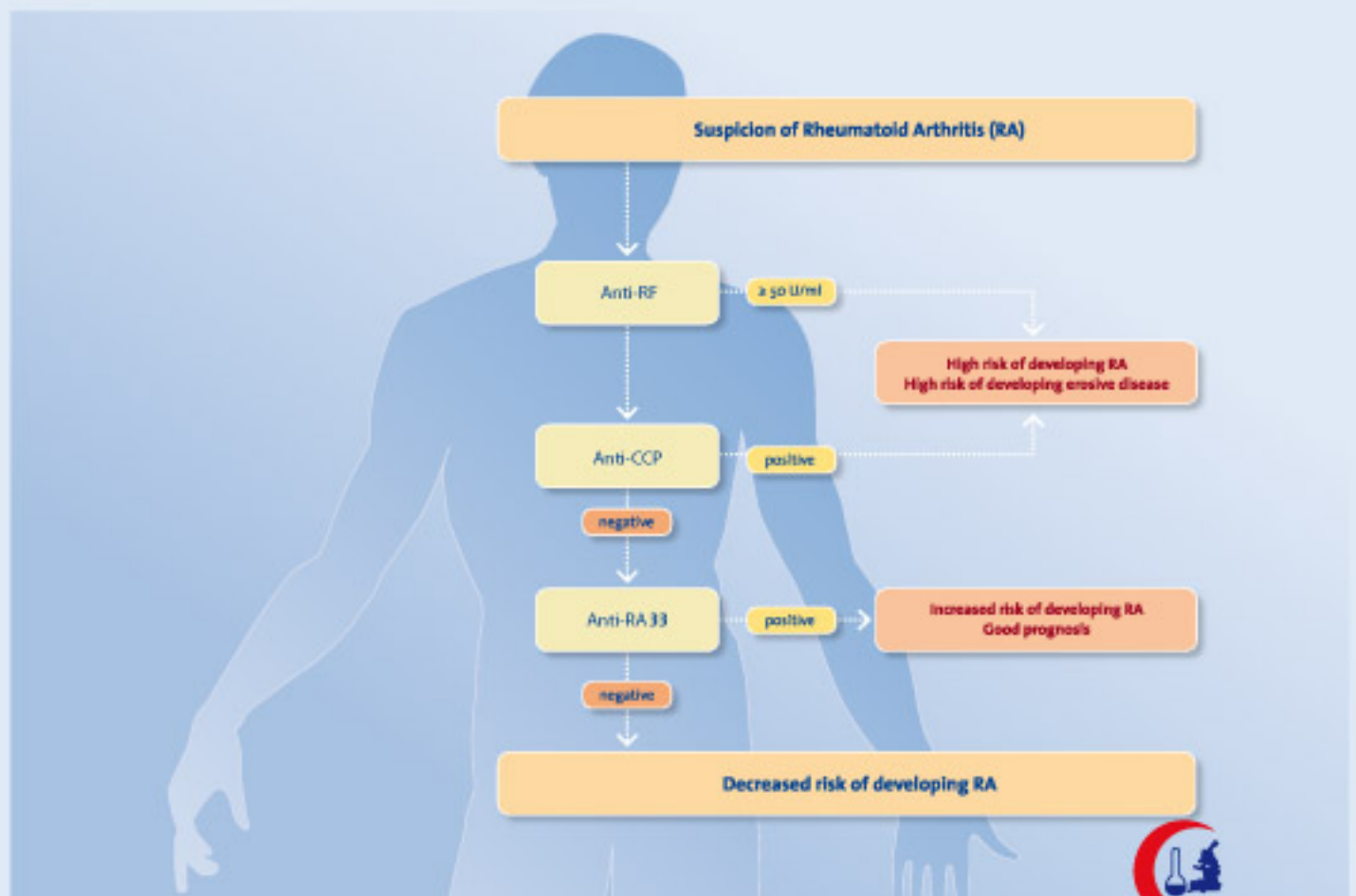
ITC60007	IgG	96	Rabbit IgG	Quantitative, 12.5/25/50/100/200 U/ml
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IMTEC-RF IgA

ITC60010	IgA	96	Rabbit IgG	Quantitative, 12.5/25/50/100/200 U/ml
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IMTEC-RF IgM

ITC60003	IgM	96	Rabbit IgG	Quantitative, 12.5/25/50/100/200 IU/ml
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RHEUMATIC DISEASES

IMTEC-ANA SCREEN

ITC60001	IgG/IgA/IgM	96	HeLa cell nuclei, dsDNA, Nucleosome, Histone, SS-A/Ro, SS-B/La, CENP-B, Jo1...	Quantitative, 31.25/62.5/125/250/500 U/ml
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IMTEC-ANA SCREEN (cut-off)

ITC70001	IgG/IgA/IgM	96	HeLa cell nuclei, dsDNA, Nucleosome, Histone, SS-A/Ro, SS-B/La, CENP-B, Jo1...	Qualitative, cut-off control
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IMTEC-ANA/ENA COMBI SCREEN (cut-off)

ITC70000	IgG/IgA/IgM	96	HeLa cell nuclei + ANA antigens and ENA	Qualitative, cut-off control
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IMTEC-ENA SCREEN

ITC60005	IgG	96	SS-A/Ro, SS-B/La, SmD1 mD1, U1-snRNP, Histone, CENP-B, Scl70, Jo1	Quantitative
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IMTEC-ENA SCREEN (cut-off)

ITC70005	IgG	96	SS-A/Ro, SS-B/La, SmD1, U1-snRNP, Histone, CENP-B, Scl70, Jo1	Qualitative, cut-off control
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IMTEC-ENA PRO...LE

ITC60033	IgG	96	SS-A/Ro, SS-B/La, SmD1, U1-snRNP, Histone, CENP-B, Scl70, Jo1	Qualitative, cut-off control
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IMTEC-ssDNA-ANTIBODIES

ITC59005	IgG	96	Single-stranded DNA	Quantitative, 12.5/25/50/100/200 U/ml
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IMTEC-dsDNA-ANTIBODIES

ITC59001	IgG	96	Double-stranded DNA	Quantitative, 12.5/25/50/100/200 WHO-IU/ml
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IMTEC-NUCLEOSOME-ANTIBODIES

ITC59002	IgG	96	Nucleosomes	Quantitative, 12.5/25/50/100/200 U/ml
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NEW IMTEC-SS-A/Ro-ANTIBODIES

ITC70026	IgG	96	SS-A/Ro, recombinant	Quantitative, 12.5/25/50/100/200 U/ml
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NEW IMTEC-SS-B/La-ANTIBODIES

ITC70024	IgG	96	SS-B/La, recombinant	Quantitative, 12.5/25/50/100/200 U/ml
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RHEUMATIC DISEASES

IMTEC-SmD1-ANTIBODIES IgG

ITC60029	IgG	96	SmD1-peptide	Quantitative, 12.5/25/50/100/200 U/ml
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New IMTEC-U1-snRNP-ANTIBODIES

ITC70022	IgG	96	U1-snRNP, recombinant	Quantitative, 12.5/25/50/100/200 U/ml
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New IMTEC-Sci70-ANTIBODIES

ITC70028	IgG	96	Sci70, recombinant	Quantitative, 12.5/25/50/100/200 U/ml
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New IMTEC-Jo1-ANTIBODIES

ITC70025	IgG	96	Jo1, recombinant	Quantitative, 12.5/25/50/100/200 U/ml
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IMTEC-HISTONE-ANTIBODIES

ITC60031	IgG	96	Histone	Quantitative, 12.5/25/50/100/200 U/ml
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IMTEC-PM-Scl-ANTIBODIES (cut-off)

ITC70035	IgG	96	PM-Scl100, recombinant	Qualitative, cut-off control
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IMTEC-ANTI-C1q-ANTIBODIES

ITC59033	IgG	96	Human C1q	Quantitative, 12.5/25/50/100/200 U/ml
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IMMUNE COMPLEXES | COMPLEMENT SYSTEM

IMTEC-CIC SCREEN (cut-off)

ITC59030	IgG/IgM	96	C1q	Qualitative, cut-off control
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IMTEC-CIC IgG

ITC59031	IgG	96	C1q	Quantitative, 25/50/100/400 µg/ml
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IMTEC-C3d-CIC

ITC59032	IgG	96	Anti-C3d antibodies (monoclonal)	Quantitative, 25/50/100/200 µg/ml
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IMTEC-COMPLEMENT ACTIVITY

ITC59035	IgG	96	Human IgM (complement activator)	Quantitative, 25/50/100/200 U/ml
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| REF

| Format

| Unit / Size

| Antigen

| Calibration

VASCULITIS | NEPHROLOGY



IMTEC-PR3-ANCA

ITC82020	IgG	96	Proteinase 3	Quantitative, 2.5/7.4/22.2/66.7/200 U/ml
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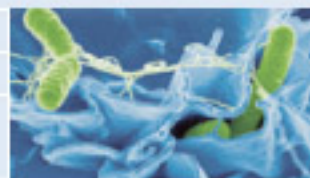
IMTEC-MPO-ANCA

ITC82030	IgG	96	Myeloperoxidase	Quantitative, 2.5/7.4/22.2/66.7/200 U/ml
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IMTEC-GBM-ANTIBODIES

ITC82070	IgG	96	GBM	Quantitative, 2.5/7.4/22.2/66.7/200 U/ml
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REACTIVE ARTHRITIS



IMTEC-SALMONELLA-ANTIBODIES SCREEN (cut-off)

ITC40040	IgG/IgA/IgM	96	LPS of <i>S. typhimurium</i> and <i>S. enteritidis</i>	Qualitative, cut-off control
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IMTEC-SALMONELLA-ANTIBODIES IgA (cut-off)

ITC40050	IgA	96	LPS of <i>S. typhimurium</i> and <i>S. enteritidis</i>	Qualitative, cut-off control
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| REF

| Format

| Unit / Size

| Antigen

| Calibration

ANTI-PHOSPHOLIPID-ANTIBODIES

IMTEC-CARDIOLIPIN-ANTIBODIES SCREEN

ITC59076	IgG/IgA/IgM	96	Cardiolipin/beta ₂ -glycoprotein I	Quantitative, 31.25/62.5/125/250/500 U/ml
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IMTEC-CARDIOLIPIN-ANTIBODIES COMBI

ITC59082	IgG/IgM	96	Cardiolipin/beta ₂ -glycoprotein I	Quantitative, IgG: 6.5/13/26/52/104 GPL/ml/ 6.3/12.5/25/50/100 ng/ml; IgM: 7.1/14.2/28/57/ 114 MPL/ml /6.3/12.5/25/50/100 ng/ml
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IMTEC-CARDIOLIPIN-ANTIBODIES IgG

ITC59071	IgG	96	Cardiolipin/beta ₂ -glycoprotein I	Quantitative, 6.5/13/26/52/104 GPL/ml/ 6.3/12.5/25/50/100 ng/ml
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IMTEC-CARDIOLIPIN-ANTIBODIES IgM

ITC59081	IgM	96	Cardiolipin/beta ₂ -glycoprotein I	Quantitative, 7.1/14.2/28/57/114 MPL/ml/ 6.3/12.5/25/50/100 ng/ml
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IMTEC-CARDIOLIPIN-ANTIBODIES IgA

ITC59075	IgA	96	Cardiolipin/beta ₂ -glycoprotein I	Quantitative, 4.8/9.6/19.2/38.4/76.8 APL/ml
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IMTEC-beta₂-GLYCOPROTEIN I-ANTIBODIES SCREEN

ITC59050	IgG/IgA/IgM	96	Human beta ₂ -glycoprotein I	Quantitative, 3.12/6.25/12.5/25/50/100 U/ml
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IMTEC-beta₂-GLYCOPROTEIN I-ANTIBODIES IgG

ITC59150	IgG	96	Human beta ₂ -glycoprotein I	Quantitative, 6.25/12.5/25/50/100 U/ml/ 4.7/9.4/18.8/37.5/75 ng/ml
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IMTEC-beta₂-GLYCOPROTEIN I-ANTIBODIES IgM

ITC59250	IgM	96	Human beta ₂ -glycoprotein I	Quantitative, 6.25/12.5/25/50/100 U/ml/ 4.7/9.4/18.8/37.5/75 ng/ml
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IMTEC-beta₂-GLYCOPROTEIN I-ANTIBODIES IgA

ITC59350	IgA	96	Human beta ₂ -glycoprotein I	Quantitative, 6.25/12.5/25/50/100 U/ml
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IMTEC-PHOSPHATIDYLSERINE-ANTIBODIES SCREEN

ITC59027	IgG/IgA/IgM	96	Phosphatidylserine/ beta ₂ -glycoprotein I	Quantitative, 6.25/12.5/25/50/100 U/ml
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IMTEC-PHOSPHATIDYLSERINE-ANTIBODIES COMBI

ITC59022	IgG/IgM	96	Phosphatidylserine/ beta ₂ -glycoprotein I	Quantitative, 6.25/12.5/25/50/100 U/ml
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ANTI-PHOSPHOLIPID-ANTIBODIES

IMTEC-PHOSPHATIDYLSERINE-ANTIBODIES IgG

ITC59011	IgG	96	Phosphatidylserine/ beta ₂ -glycoprotein I	Quantitative, 6.25/12.5/25/50/100 U/ml
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IMTEC-PHOSPHATIDYLSERINE-ANTIBODIES IgM

ITC59021	IgM	96	Phosphatidylserine/ beta ₂ -glycoprotein I	Quantitative, 6.25/12.5/25/50/100 U/ml
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IMTEC-PHOSPHATIDYLSERINE-ANTIBODIES IgA

ITC59025	IgA	96	Phosphatidylserine/ beta ₂ -glycoprotein I	Quantitative, 6.25/12.5/25/50/100 U/ml
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IMTEC-PHOSPHATIDYLETHANOLAMINE-ANTIBODIES SCREEN

ITC59400	IgG/IgA/IgM	96	Phosphatidylethanolamine	Quantitative, 6.25/12.5/25/50/100 U/ml
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IMTEC-PROTHROMBIN-ANTIBODIES SCREEN

ITC59450	IgG/IgA/IgM	96	Human prothrombin (factor II)/ phosphatidylserine	Quantitative, 6.25/12.5/25/50/100 U/ml
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IMTEC-ANNEXIN V-ANTIBODIES SCREEN

ITC59550	IgG/IgA/IgM	96	Human annexin V	Quantitative, 6.25/12.5/25/50/100 U/ml
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CARDIOLOGY



IMTEC-oxLDL-ANTIBODIES Ig(GM)

ITC59500	IgG/IgM	96	oxLDL	Quantitative, 12.5/25/50/100/200 U/ml
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HUMAN - IMTEC - ELISA REAGENTS

| REF | Format | Unit / Size | Antigen | Calibration

LIVER DISEASES

IMTEC-LIVER SCREEN 5

ITC66005 IgG 96 Mixture of SLA, LKM1, AMA M2, Sp100, gp210 and LBR Quantitative, 12.5/25/50/100/200 U/ml

IMTEC-LIVER PROFILE 5

ITC66105 IgG 96 On separated strips: SLA, LKM1, AMA M2, Sp100, gp210, LBR Qualitative, cut-off controls

IMTEC-AMA M2

ITC60040 IgG 96 AMA M2 Quantitative, 2/8/31/125/500 U/ml

IMTEC-Sp100-ANTIBODIES

ITC66040 IgG 96 Sp100, recombinant Quantitative, 8/40/200/1000 U/ml

IMTEC-LKM1-ANTIBODIES

ITC66050 IgG 96 LKM1 peptide Quantitative, 12.5/25/50/100/200 U/ml

New IMTEC-SLA-ANTIBODIES

ITC66060 IgG 96 Human SLA, recombinant Quantitative, 12.5/25/50/100/200 U/ml

	PBC	PSC	AIH Type 1	AIH Type 2	AIH Type 3
ANA anti-nuclear antibodies	(+)	(+)	+	(+)	(+)
ASMA anti-smooth muscle antibodies			+		(+)
LKM1 Antibodies cytochrome P450 2D6				+	
LCl Antibodies liver cytosolic antigen				+	
SLA Antibodies soluble liver antigen			+		+
ASGPR Antibodies asialoglycoprotein receptor			+	+	+
AMA-M 2 anti-mitochondrial antibodies	+				
Sp100 Antibodies "nuclear dots"	+				
gp210 Antibodies glycoprotein 210kD	+				
LBR Antibodies lamin B receptor	+				
ANCA anti-neutrophil antibodies		+			



| REF

| Format

| Unit / Size | Antigen

| Calibration

THYROID DIAGNOSTICS

IMTEC-TG-ANTIBODIES

ITC85010	IgG	96	Thyroglobulin	Quantitative, 15/60/240/960/3840 WHO-IU/ml
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IMTEC-TPO-ANTIBODIES

ITC85020	IgG	96	Thyroid peroxidase	Quantitative, 11.5/46/183/732/2930 WHO-IU/ml
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IMTEC-TSH RECEPTOR ANTIBODIES

ITC85030		96	TSH receptor	Quantitative, 1/2/8/40 IU/ml
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TSH (THYROTROPIN)

54030		96	Anti-TSH antibody	Quantitative, 0/0.5/3/6/15/30 mIU/l
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fT3 (FREE TRIIODOTHYRONINE)

54015		96	T3-peroxidase	Quantitative, 0/1/3/5/8/16 pg/ml
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fT4 (FREE THYROXINE)

54025		96	T4-peroxidase	Quantitative, 0/0.40/1.25/2.10/5.00/7.40 ng/dl
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Occurrence of autoantibodies in AITD

Graves Disease

Hashimoto's Thyroiditis

Anti-TSH Receptor

Anti-TPO

Anti-TG

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HUMAN - IMTEC - ELISA REAGENTS



| REF | Format | Unit / Size | Antigen | Calibration

GASTROINTESTINAL DISEASES

IMTEC-beta-LACTOGLOBULIN-ANTIBODIES

ITC30100	IgG	96	beta-lactoglobulin	Quantitative, 6.25/12.5/25/50/100 U/ml
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IMTEC-t-TRANSGLUTAMINASE-ANTIBODIES IgG

ITC30305	IgG	96	Human tissue transglutaminase, recombinant	Quantitative, 2/10/20/50/100 U/ml
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IMTEC-t-TRANSGLUTAMINASE-ANTIBODIES IgA

ITC30405	IgA	96	Human tissue transglutaminase, recombinant	Quantitative, 0/10/20/50/100 U/ml
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IMTEC-GLIADIN-ANTIBODIES IgG

ITC30500	IgG	96	Gliadin	Quantitative, 6.25/12.5/25/50/100 U/ml
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IMTEC-GLIADIN-ANTIBODIES IgA

ITC30600	IgA	96	Gliadin	Quantitative, 6.25/12.5/25/50/100 U/ml
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ANDROLOGY/GYNECOLOGY



IMTEC-SPERMATOZOAL-ANTIBODIES SCREEN

ITC88010	IgG/IgA/IgM	96	Human sperm antigens	Quantitative, 0/31/62/125/250 U/ml
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SYMBOLS

SYMBOLS USED WITH IMTEC TESTS

CAL	Calibrator
CC	Cut Off Control
CON	Conjugate
DIL	Dilution Buffer
DIL LIA	Dilution Buffer LIA
MTP	Microtiter Strips
NC	Negative Control
PC	Positive Control
STOP	Stop Solution
STRIP	Test-Strips
SUB	Substrate Solution
SUB LIA	Substrate Solution LIA
WASH	Wash Working Solution



LABORATORY - LINE

MULTIPURPOSE LABORATORY EQUIPMENT



LABORATORY - LINE

SAMPLE PREPARATION

HuMAX CENTRIFUGES

Centrifuges

Bench top centrifuges with maintenance free induction motors from small to medium size capacity



NEW

HuMax HCT

Hematocrit and microliter bench top centrifuge

- Maximum speed/RCF: 14,000 rmp/18,624 x g
- Maximum capacity: 24 x 2 ml (fix angle Rotor)
- Delivered with Hematocrit rotor for 24 Hematocrit capillary tubes
- Programable microprocessor controlled system
- Digital display for speed and time
- Timer: 30 sec.-99 min. and hold position
- Maintenance free brushless induction motor

REF	Voltage
HuMax HCT	
15500	230 VAC EU plug
15500/110*	110 VAC US plug

Consumables	
REF	Description
749510	Haematocrit Sealing Compound 10 plates
749321	Micro haematocrit tubes 10 x 100 pcs.
749311	Micro haematocrit tubes Na-hep 10 x 100 pcs.



HuMax 4K

Small-capacity bench top centrifuge

- Maximum speed/RCF: 5,000 rpm, 2,822 x g
- Maximum capacity: 12 x 15 ml
- Programmable microprocessor control system
- Digital display for speed and time
- Timer: 1-99 min. and hold position
- Maintenance-free brushless induction motor
- Delivered with angle rotor 12 x 15 ml

REF	Voltage
HuMax 4K Small-capacity bench top centrifuge	
15200/2	230 VAC
15200/1*	110 VAC

LABORATORY - LINE

SAMPLE PREPARATION

HuMAX CENTRIFUGES



REF	Voltage
HuMax 5K Medium-capacity bench top centrifuge	
15300/2	230 VAC
15300/1*	110 VAC

HuMax 5K

Medium-capacity bench top centrifuge

- Maximum speed/RCF: 4,100 rpm, 2,819 x g
- Maximum capacity: angle rotor 16 x 15 ml
swing-out rotor 4 x 100 ml
- Programmable microprocessor control system
- Digital display for speed and time
- Timer: 1-99 min. and hold position
- Maintenance-free brushless induction motor
- Delivered without rotor

REF	17160
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HuMax 14K

Multi-purpose high-speed centrifuge

- Maximum speed/RCF: 14,000 rpm, 18,405 x g
- Maximum capacity: 4 x 200 ml (swing-out rotor);
24 x 2 ml (angle rotor)
- Electronic imbalance detection
- Timer: 1-99 min. and hold position
- Programmable speed, acceleration and
braking rates
- Memory for 10 programs
- Maintenance-free brushless induction motor
- Delivered without rotor
- 230 VAC

* Increased delivery time or order 220 V version with transformer REF

LABORATORY - LINE

SAMPLE PREPARATION

ACCESSORIES FOR HUMAX CENTRIFUGES

REF	DESCRIPTION	VOLUME
17155	Adaptor for 4K Standard 15302P/17162	1 x 1.5/2 ml
17156	Adaptor for 4K Standard 15302P/17162	1 x 7 ml
17157	Adaptor for 4K Standard 15302P/17162	1 x 5 ml
15302P	Fix-angle Rotor 4,100 rpm, 2,142 x g	16 x 15 ml
15303	Microtiterplate Rotor 4,100 rpm, 2,011 x g	2 Plates
15301	Swing-out Rotor 4,100 rpm, 2,819 x g	4 x Inserts
15305	Set of 4 Inserts for 15301	1 x 100 ml
15306	Set of 4 Inserts for 15301	1 x 50 ml conical
15307	Set of 4 Inserts for 15301	4 x 15 ml
15308	Set of 4 Inserts for 15301	2 x 15 ml conical
15309	Set of 4 Inserts for 15301	4 x 7 ml
15310	Set of 4 Inserts for 15301	4 x 5 ml
17162	Fix-angle Rotor 4,100 rpm, 3,007 x g	30 x 15 ml
17161	Swing-out Rotor 4,100 rpm 3,045 x g	4 x Buckets
17161/1	Set of 4 Buckets for 17161	1 x 200 ml
17161/2	Set of 4 Buckets for 17161	1 x 200 ml with sealing
17161/3	Set of 4 PP Bottles with Cap for 17161/1 or 17161/2	1 x 200 ml
17161/4	Set of 4 Inserts for 17161/1	1 x 100 ml
	Set of 4 Inserts for 17161/2	1 x 100 ml
17161/5	Set of 4 Inserts for 17161/1	1 x 50 ml conical
	Set of 4 Inserts for 17161/2	1 x 50 ml conical
17161/6	Set of 4 Inserts for 17161/1	7 x 15 ml
	Set of 4 Inserts for 17161/2	7 x 15 ml
17161/7	Set of 4 Inserts for 17161/1	3 x 15 ml conical
	Set of 4 Inserts for 17161/2	3 x 15 ml conical
17161/8	Set of 4 Inserts for 17161/1	7 x 5 or 7 ml
	Set of 4 Inserts for 17161/2	7 x 5 or 7 ml
17163	Fix-angle Rotor 14,000 rpm, 18,407 x g	24 x 1.5 or 2 ml
17163/1	Adaptor for 17163	500/800 µl
17163/2	Adaptor for 17163	200 µl PCR
17163/3	Adaptor for 17163	250/400/700 µl
15501	Hematocrit Rotor 12,000 rpm, 13,680 x g	24 x capillary tubes
15502	Fix Angle Rotor 14,000 rpm, 18,254 x g	24 x 2 ml
15503	Adaptor for Fix-angle Rotor (15502)	200 µl
15504	Adaptor for Fix-angle Rotor (15502)	500 µl

LABORATORY - LINE

SAMPLE PREPARATION



CAPLESS TUBE DIMENSIONS	4 K	5 K	14 K	HCT
Ø 11 x 70 mm	X	X	X	
Ø 13 x 115 mm	X	X	X	
Ø 13 x 90 mm	X	X	X	
Ø 17 mm		X		
		X		
		X		
Ø 46.5 x 108 mm		X		
Ø 30 x 120 mm		X		
Ø 17 x 108.5 mm		X		
Ø 17 x 121 mm		X		
Ø 13 x 110 mm		X		
Ø 13 x 85 mm		X		
Ø 17 mm			X	
			X	
Ø 57 mm			X	
Ø 57 mm			X	
Ø 56.5 mm			X	
Ø 45.0 x 125 mm			X	
Ø 45.0 x 119 mm			X	
Ø 30.0 x 131 mm			X	
Ø 30.0 x 125 mm			X	
Ø 17.0 x 126 mm			X	
Ø 17.0 x 120 mm			X	
Ø 17.0 x 134 mm			X	
Ø 17.0 x 128 mm			X	
Ø 13.5 x 128 mm			X	
Ø 13.5 x 122 mm			X	
Ø 11.0 x 50 mm			X	
Ø 8.0 x 35 mm			X	
Ø 6.5 x 37 mm			X	
Ø 6.0 x 34 mm			X	
Ø 1.75 x 75 mm				X
Ø 11 x 39 mm				X
				X
				X

LABORATORY - LINE

SCALES

Mixer



HumaTwist

Vortex mixer

versatility at its best

- Continuous and touch operation
- Adjustable speed 0-2500 rpm
- Reduced vibration by special designed silicone absorber
- Steel base with ultra high vibration damping

REF	Voltage	Accessories	
HumaTwist		REF	Description
17175	(230 VAC/50 Hz), EU 2 pin plug (CEE 7/7)	17175/5	100 mm Plate Attachment with Rubber Pad
17176	(230 VAC/60 Hz), UK 3 pin plug (BS 1363)	17175/6	Holder for 48 Test Tubes (6 mm) 17175/5 required
17177*	(110 VAC/50 Hz), US 3 pin plug (NEMA 5-15)	17175/7	Holder for 18 Test Tubes (10 mm) 17175/5 required
17178*	(110 VAC/60 Hz), US 3 pin plug (NEMA 5-15)	17175/8	Holder for 12 Test Tubes (12 mm) 17175/5 required
		17175/9	Holder for 8 Test Tubes (16 mm) 17175/5 required
		17175/10	Holder for 8 Test Tubes (20 mm) 17175/5 required



HumaRoll

Tube Roller

- Adjustable speed up to 70 rpm
- Amplitude of 24 mm
- Maintenance free brushless induction motor
- capacity 5 lines 280 mm length
- Universal IEC power connector

REF	Voltage
HumaRoll	
15460	100-240 VAC/50/60 Hz (EU plug)

LABORATORY - LINE

Incubator / Waterbath



HumaPure

Cost efficient water demineralizer/ion exchanger

- Constant water quality
- Capacity 425 l
- Flow rate 50 l/h
- Quality $\mu\text{S}/\text{cm}$ 0.1-20
- Analog conductivity meter
- Included: Device, Tubing's, Filter Cartridge

REF	Voltage
HumaPure Cost efficient water demineralizer/ionexchanger	
15110	230 VAC
15110/110*	110 VAC

HumaPure SET (HumaPure with Prefilter SET and Spare Filter Cartridge)	
15115	230 VAC
15115/110*	110 VAC

Accessories	
REF	Description
15113	Prefilter Set (Prefilter Housing, Prefilter, Tube Set)

Consumables	
REF	Description
15110/1	Filter Cartridge
15112/1	Spare Prefilter

HumaTherm

Microprocessor controlled incubator

- Temperature range: ambient +5°C to 80°C
- Digital display for temperature and time
- Safety thermostat
- Programmable PID microprocessor control system

REF	Voltage
HumaTherm Microprocessor controlled incubator	
17195	230 VAC
17195/110*	110 VAC



* Increased delivery time or order 220 V version with transformer REF

LABORATORY - LINE

Incubator / Waterbath



HumAqua 5

Unstirred waterbath

- Tank volume: 6 l
- Useful volume: 4 l
- Temperature range: ambient +5°C to 80°C
- Digital display for temperature and time
- Delivered without cover

REF	Voltage
HumAqua 5 Unstirred waterbath	
17180/2	230 VAC
17180/1*	110 VAC

Accessories	
REF	Description
17180/10	Plexiglass Cover (resists up to 60°C)
17180/11	Stainless Steel Cover
17180/12	Rack for 52 Tubes 13 x 70 mm
17180/13	Rack for 30 Tubes 16 x 70 mm
17180/14	Rack for 27 Tubes 18 x 70 mm
17180/15	Rack for 12 Tubes 30 x 70 mm



NEW

HumaCube

Benchtop incubator for round tubes

with reliable accuracy and uniformity of temperature

- 20 positions of 13 mm diameter
- 4 positions of 15 mm diameter
- Temperature range: 25°C, 30°C, 37°C, 45°C
- Digital display for temperature

REF	Voltage
HumaCube Benchtop incubator for round tubes	
17050	220 VAC
17070	110 VAC

LABORATORY - LINE

PIPETTES

Precise liquid handling in the laboratory with HumaPette Smart-Line and HumaPette Premium Line.



HUMAPETTE SMART LINE

HumaPette Smart Line: Reliability in your Hand

Pipetting is often the largest source of errors in the lab. Having confidence in your measurements is a key to good science and results. The HumaPette Smart-Line fulfils all requirements of high quality at a superior price/performance ratio. If you need state-of-the-art, ergonomically designed and highly accurate pipettes, then the HumaPette Smart-Line is your perfect option!

Fulfills all criteria of a pipette for routine use

- Convenient plunger position
- Low force to push plunger
- Easy set and read display
- Feedback from button operation
- Simple calibration

REF	VOLUME	ACCURACY	PRECISION CV	PIPETTE TIPS
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HUMAPETTE SMART-LINE

Fixed volume pipettes

REF	VOLUME	ACCURACY	PRECISION CV	PIPETTE TIPS
19500L	5 µl	1.3	1.2	19320/20
19505L	10 µl	0.8	0.8	19320/20
19510L	20 µl	0.6	0.5	19910/20
19515L	25 µl	0.5	0.3	19910/20
19520L	50 µl	0.5	0.3	19910/20
19525L	100 µl	0.5	0.3	19910/20
19530L	200 µl	0.4	0.2	19910/20
19535L	250 µl	0.4	0.2	19920/40
19540L	500 µl	0.3	0.2	19920/40
19545L	1000 µl	0.3	0.2	19920/40

ADJUSTABLE PIPETTES

REF	VOLUME	ACCURACY	PRECISION CV	PIPETTE TIPS
19110L	0.5 - 10 µl	1.0	0.8	19320/20
19120L	5 - 50 µl	0.6	0.3	19910/20
19125L	10 - 100 µl	0.8	0.15	19910/20
19130L	20 - 200 µl	0.6	0.15	19910/20
19140L	100 - 1000 µl	0.6	0.2	19920/40
19150L	500 - 5000 µl	0.5	0.15	19150/10

Pipette Tips for HumaPette Smart Line and HumaPette Premium Line

REF	DESCRIPTION
19320/20	0.5 - 20 µl 1 x 1000 tips "crystal"
19910/20	2 - 200 µl 10 x 1000 tips "yellow"
19920/40	50 - 1000 µl 10 x 500 tips "blue"
19150/10	0.5 - 5 ml 200 tips/bag "white"
19320/10	5 - 300 µl 1000 tips/bag for HumaPette Premium 8 Channel



HumaPette Linear Stand
For HumaPette Smart Line and HumaPette Premium Line

REF	19160L
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LABORATORY - LINE

PIPETTES



HUMAPETTE PREMIUM LINE

Fully autoclavable pipettes (fully demontable)

The new HumaPette Premium Line stands out for:

- Modern ergonomic design
- One hand operating
- CE marked IVD, highest quality made in Germany with a QC certificate for each pipette
- Fully autoclavable (20 min. @ 121°C)
- No tools required for maintenance
- Precision you can rely on



HUMALETTE PREMIUM STARTER KIT

REF	VOLUME	ACCURACY	PRECISION CV	PIPETTE TIPS
HUMAPETTE PREMIUM				
FIXED VOLUME PIPETTES				
19505P	10 µl	≤ 1,0	≤ 0,5	19320/20
19510P	20 µl	≤ 0,8	≤ 0,4	19320/20
19515P	25 µl	≤ 0,8	≤ 0,4	19910/20
19520P	50 µl	≤ 0,8	≤ 0,4	19910/20
19525P	100 µl	≤ 0,6	≤ 0,2	19910/20
19530P	200 µl	≤ 0,6	0,2	19910/20
19540P	500 µl	≤ 0,6	0,2	19920/40
19545P	1000 µl	≤ 0,6	0,2	19920/40
DIGITAL ADJUSTABLE PIPETTES				
19110P	0,5 - 10 µl	≤ 1,0	≤ 0,5	19320/20
19120P	2 - 20 µl	≤ 0,8	≤ 0,4	19320/20
19125P	10 - 100 µl	≤ 0,6	≤ 0,2	19910/20
19130P	20 - 200 µl	≤ 0,6	≤ 0,2	19910/20
19140P	100 - 1000 µl	≤ 0,6	≤ 0,2	19920/40
19150P	1000 - 5000 µl	≤ 0,6	≤ 0,2	19150/10
19160P	1,0 - 10,0 ml	≤ 0,6	≤ 0,2	19160/10



HUMALETTE PREMIUM 8 CHANNEL

HUMAPETTE PREMIUM STARTER KIT

Digital adjustable pipettes

19550P	0,5 - 10 µl, 10 - 100 µl, 100 - 1000 µl			
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HUMAPETTE PREMIUM 8 CHANNEL

19320P	5 - 50 µl	≤ 0,8	≤ 0,4	19910/20
19330P	30 - 300 µl	≤ 0,6	≤ 0,3	19320/10



HUMASCOPE LINE

MULTIPURPOSE LABORATORY EQUIPMENT

- > Extended line
- > Enhanced Features
- > Modern and ergonomic design

HUMASCOPE LINE NEW GENERATION

HUMASCOPE WITH HALOGEN ILLUMINATION



REF 14200

HUMASCOPE ADVANCED

Binocular laboratory microscope

- Plan-achromatic objectives (anti-fungal coated)
- (4x, 10x, 40x and 100x oil)
- Compensation free Siedentopf head, inward 5-position objective revolver
- Koehler illumination
- 230/110 VAC



REF 14200/100

HUMASCOPE ADVANCED LCD

Laboratory microscope with trinocular head and 6,4" TFT-LCD colour monitor

- 230/110 VAC



REF 14300

HUMASCOPE PREMIUM

Binocular laboratory microscope

- Infinity corrected plan-achromatic objectives (anti-fungal coated)
- (4x, 10x, 40x and 100x oil)
- Compensation free Siedentopf head, inward 5-position objective revolver
- Koehler illumination
- "one finger focusing"
- 230/110 VAC



REF 14300/100

HUMASCOPE PREMIUM LCD

Laboratory microscope with trinocular head and 6,4" TFT-LCD colour monitor

- 230/110 VAC

HUMASCOPE LINE NEW GENERATION

HUMASCOPE WITH LED ILLUMINATION



REF 14400

HUMASCOPE LIGHT^{LED}

Binocular laboratory LED illuminated microscope

- Achromatic objectives (anti-fungal coated)
- (4x, 10x, 40x and 100x oil)
- Rechargeable battery – 2 days independence from constant power supply
- LED illumination, no replacement bulbs required
- Especially for health care in remote areas, due to battery optic
- 230/110 VAC



REF 14500

HUMASCOPE CLASSIC^{LED}

Binocular laboratory LED illuminated microscope

- Semi-plan objectives (anti-fungal coated)
- (4x, 10x, 40x and 100x oil)
- Compensation free Siedentopf head, inward 4-position objective revolver
- Koehler illumination
- Rechargeable battery – 2 days independence from constant power supply
- LED illumination, no replacement bulbs required
- 230/110 VAC



REF 14600

HUMASCOPE ADVANCED^{LED}

- Plan-achromatic objectives (anti-fungal coated)
- (4x, 10x, 40x and 100x oil)
- Compensation free Siedentopf head, inward 5-position objective revolver
- Koehler illumination
- Extra strong LED illumination, no replacement bulbs required
- Rechargeable battery – 2 days independence from constant power supply
- 230/110 VAC



REF 14700

HUMASCOPE PREMIUM^{LED}

Binocular laboratory LED illuminated microscope

- Infinity corrected plan-achromatic objectives (anti-fungal coated)
- (4x, 10x, 40x and 100x oil)
- Compensation free Siedentopf head, inward 5-position objective revolver
- Koehler illumination
- Extra strong LED illumination, no replacement bulbs required
- "one finger focusing"
- 230/110 VAC

HUMASCOPE LINE NEW GENERATION

HUMASCOPE WITH LED ILLUMINATION



NEW

HUMASCOPE FLUO^{LED}

LED Fluorescence microscope with trinocular head

- Infinity corrected plan-achromatic objectives (anti-fungal coated)
- (4x, 10x, 40x and 100x oil)
- Compensation free Siedentopf head, inward 5-position objective revolver
- Koehler illumination
- Extra strong LED brightfield illumination, no replacement bulbs required
- Optional up to 4 fluorescence channels available

REF	VOLTAGE	FEATURES
HUMASCOPE FLUO^{LED} STATE OF THE ART OPTICS		
14800	230/110 VAC	2 channel LED fluorescence (blue, green)
14804	230/110 VAC	2 channel LED fluorescence (blue, green) with rechargeable batteries
14801	230/110 VAC	3 channel LED fluorescence (blue, green, UV)
14802	230/110 VAC	3 channel LED fluorescence (blue, green, violett)
14803	230/110 VAC	4 channel LED fluorescence (blue, green, UV, violett)

HUMASCOPE LINE NEW GENERATION

STEREO MICROSCOPE



REF 14900



REF 14901

HUMASCOPE STEREO

Binocular stereo microscope

- Latest LED illumination technique
- With reflected and transmitted illumination
- Diopter adjustment
- Magnification 7x - 45x
- Excellent optics
- 230/110 VAC 50-60Hz

HUMASCOPE STEREO WITH TRINOCULAR HEAD

Ready for camera operation

Accessories for HumaScope Stereo

REF	Description
14900/1	Eyepiece WF10X (22mm)
14900/2	Eyepiece WF15X (15mm)
14900/3	Eyepiece WF20X (12mm)
14900/4	Eyepiece WF25X (9mm)
14900/5	Recticle eyepiece WF10X (20mm) 0.1mm/Div1
14900/6	Objective 0.5X W.D.137mm
14900/7	Objective 0.75X W.D.103mm
14900/8	Objective 1X W.D.88mm
14900/9	Objective 1.5X W.D.48mm
14900/10	Objective 2X W.D.29mm
14900/11	Trinocular adaptor 1X for ccd camera
14900/12	Trinocular adaptor 0.5X for ccd camera

HUMASCOPE LINE NEW GENERATION

ACCESSORIES FOR HUMASCOPE LINE						
REF	Description	Fluo ¹⁰⁰	Premium	Advanced	Classic	Light
14000/10	Monocular Head			X		
14000/13	Trinocular Head			X	X	
14000/15	Trinocular Infinity Head		X			
14000/18	Eyepiece 10x 20 mm View Field		X			
14000/19	Eyepiece 16x 11 mm View Field		X	X	X	X
14000/20	Eyepiece 20x 11 mm View Field		X	X	X	X
14000/21	Eyepiece Micrometer 10 mm with 100 Division for 18 mm View Field			X	X	X
14000/22	Eyepiece Micrometer 10 mm with 100 Division for 20 mm View Field		X			
14000/26	Objective Achromatic 60x			X		
14000/30	Objective Achromatic 20x			X	X	
14000/32	Objective Achromatic 60x			X	X	
14000/36	Objective Semi Plan 20x			X	X	
14000/41	Objective Plan 20x			X	X	
14000/43	Objective Plan 60x			X	X	
14000/47	Objektive Plan Infinity 20x	X	X			
14000/49	Objective Plan Infinity 100x	X	X			
14000/50	Bright Field Abbe Condenser with Iris Diaphragm			X	X	X
14000/51	Bright Field Abbe Condenser with Iris Diaphragm				X	
14000/52	Dark Field Condensor Dry	X	X	X	X	X
14000/53	Dark Field Condensor Oil	X	X	X	X	X
14000/54	C-mount Adaptor 0.4x for Trinocular Head	X		X	X	X
14000/55	C-mount Adaptor 1x for Trinocular Head	X	X	X	X	
14000/56	Photography Attachment for Trinocular Head	X	X	X	X	
14000/57	Simple Polarisation Kit			X	X	X
14000/58	Simple Polarisation Kit	X	X			
14000/59	Simple Achromatic Phase Contrast Kit			X	X	X
14000/60	Turret Achromatic Phase Contrast Kit			X	X	
14000/61	Turret Plan Phase Contrast Kit			X	X	
14000/62	Turret Plan Infinity Phase Contrast Kit	X	X			
14000/67	Digital Camera Adaptor for Canon A Series	X	X	X	X	



HUMASCOPE LINE NEW GENERATION

ACCESSORIES FOR HUMASCOPE LINE

REF	Description	Fluo ^{LED}	Premium	Advanced	Classic	Light
14000/68	Stage Micrometer 1 mm / 100 Division	X	X	X	X	X
14000/71	Mirror Set			X	X	X
14000/72	Blue Filter	X	X	X	X	X
14000/73	Frosted Filter	X	X	X	X	X
14000/74	Green Filter	X	X	X	X	X
14000/81	Yellow Filter	X	X	X	X	X
14000/80	C-mount Adaptor 0.5x for Trinocular	X	X	X	X	
14000/82	Rubber Eyeguard (Set of 2)		X	X	X	X
14000/83	Plastic Box			X	X	
14000/84	Plastic Box Light					X
14000/100	HumaScope LCD, 6.4" TFT-LCD Colour Monitor	X	X	X	X	
14000/90	4 Position Nosepiece			X	X	
14000/97	4 Position Nosepiece		X			
14000/125	Eyepiece Pointer Achromatic 10x 18 mm					X
14000/126	Eyepiece Pointer Plan Achromatic 10x 18 mm			X	X	
14000/127	Eyepiece Pointer Infinity 10x 20 mm		X			
14000/128	Eyepiece Pointer Achromatic 16x 11 mm		X	X	X	X
14000/130	Eyepiece Pointer Infinity 10x 22 mm		X			
14000/131	Eyepiece Pointer Fluo 10x 22 mm	X				
14000/132	Eyepiece Pointer Fluo 15x 22 mm	X				

DIGITAL CAMERAS FOR HUMASCOPE LINE

REF	Description	Fluo ^{LED}	Premium	Advanced	Classic	Light
14000/66	Digital Camera (USB) 3 Megapixel*	X	X	X	X	X
14000/86	Digital Camera (USB) 5 Megapixel*	X	X	X	X	X
14000/87	Digital Camera (USB) 10 Megapixel*	X	X	X	X	X

For operation with trinocular a C-mount adaptor is necessary.



* With eyepiece adaptor, Software and Stage micrometer



BLOOD GROUPING & RHESUS TYPING


Aids, Hepatitis

HAV IgG, cut-off

HAV IgM, cut-off

HBcAb, cut-off

HBcIgM, cut-off

HBeAb, cut-off

HBeAg, cut-off

HBsAb, cut-off

HBsAb, quantitative

HBsAg, cut-off

 HBsAg Sensitive, cut-off **CE** new

HCV Ab, cut-off

 HEV IgM, cut-off **CE**

 HIV 1&2 Ab, cut-off **CE**

HIV 1&2 Ag/Ab, cut-off

HTLV 1 & 2, cut-off

Torch **CE**

CMV IgG, quantitative

CMV IgM, cut-off

HSV 1 IgG, cut-off

HSV 1+2 IgG, cut-off

HSV 1+2 IgM, cut-off

HSV 2 IgG, cut-off

HSV 2 IgM, cut-off

Rubella IgG, quantitative

Rubella IgM, cut-off

Toxoplasma IgG, quantitative

Toxoplasma IgM, cut-off

Other Infectious Diseases

Brucella IgA, cut-off *

Brucella IgG, cut-off *

Brucella IgM, cut-off *

Chlamydia trachomatis IgA, cut-off *

Chlamydia trachomatis IgG, cut-off

Chlamydia trachomatis IgM, cut-off

EBV IgA, cut-off *

EBV IgG, cut-off *

EBV IgM, cut-off *

 H. pylori Ag, quantitative **CE**

 H. pylori IgA, cut-off * **CE**

 H. pylori IgG, cut-off * **CE**

 H. pylori IgM, cut-off * **CE**

Measles IgA, cut-off *

Measles IgG, cut-off *

Measles IgM, cut-off *

Mumps IgA, cut-off *

Mumps IgG, cut-off *

Mumps IgM, cut-off *

 Mycoplasma pn. IgA, cut-off * **CE**

 Mycoplasma pn. IgG, cut-off * **CE**

 Mycoplasma pn. IgM, cut-off * **CE**

 RSV IgA, cut-off * **CE**

 RSV IgG, cut-off * **CE**

 RSV IgM, cut-off * **CE**

 Syphilis IgG/IgM, cut-off * **CE**

VZV IgA, cut-off *

VZV IgG, cut-off *

VZV IgM, cut-off *

 Chagas IgG Elisa, cut-off * new

 Dengue Virus IgG Elisa, cut-off * new




Autoimmune Diseases CE

AMA M2, quantitative		Anti-Phosphatidic Acid IgG/IgM, quantitative
ANA 9 Line Immunoblot 08/16, semiquantitative		Anti-Phosphatidyl Inositol IgG/IgM, quantitative
ANA Combi 8, cut-off		Anti-Phosphatidyl Serine IgG/IgM, quantitative
ANA Detect, cut-off		Anti-Phospholipid Screen, quantitative
ANA Screen 8, semiquantitative		Anti-PR3, quantitative
ANCA combi, cut-off		Anti-RIB-P, quantitative
Anti-Annexin V, quantitative		Anti-RNP 70, quantitative
Anti- β -2 Glycoprotein IgG/IgM, quantitative		Anti-RNP/Sm, quantitative
Anti- β -2-Glycoprotein IgA, quantitative		Anti-Scl-70, quantitative
Anti- β -2-Glycoprotein Screen, semiquantitative		Anti-Sm, quantitative
Anti-BPI, quantitative		Anti-SS-A (Ro) 52 kD, quantitative
Anti-Cardiolipin IgA, quantitative		Anti-SS-A (Ro) 52/60 kD, quantitative
Anti-Cardiolipin IgG/IgM, quantitative		Anti-SS-A (Ro) 60 kD, quantitative
Anti-Cardiolipin Screen, quantitative		Anti-SS-B (La), quantitative
Anti-Cathepsin G, quantitative		Anti-ssDNA, quantitative
Anti- Citrullinated Rheumatoid Antigen, quantitative		ASCA, quantitative
Anti-DGP IgA, quantitative		ENA 6 Combi, quantitative
Anti-DGP IgG, quantitative		ENA 6 Screen, cut-off
Anti-dsDNA IgA, quantitative		ENA-6 Pro file, semiquantitative
Anti-dsDNA IgG, quantitative		Gastro 5 Line 08/16, semiquantitative
Anti-dsDNA IgM, quantitative		Gliadin Ab (IgA), quantitative
Anti-dsDNA Screen, quantitative		Gliadin Ab (IgG), quantitative
Anti-Elastase, quantitative		Jo-1-Ab, quantitative
Anti-GBM, quantitative		Nucleo-9-Line 08/16, semiquantitative
Anti-Insulin, quantitative		Rheumatoid Factor IgA, quantitative
Anti-Intrinsic Factor, quantitative		Rheumatoid Factor IgG, quantitative
Anti-Lactoferrin, quantitative		Rheumatoid Factor IgM, quantitative
Anti-Lysozyme, quantitative		Rheumatoid Factor Screen (IgA/IgG/IgM), quantitative
Anti-MPO, quantitative		Thrombo Combo, quantitative


Thyroid **CE**

Anti-TG, quantitative
 Anti-TPO, quantitative
 FT3, quantitative
 FT4, quantitative
 T3, quantitative
 T4, quantitative
 TG, quantitative
 TSH, quantitative

Steroids **CE**

17- α -OH-Progesterone, quantitative
 17- β -Estradiol, quantitative
 Androstenedione, quantitative
 Cortisol, quantitative
 DHEA-S, quantitative
 Free Estriol, quantitative
 Free Testosterone, quantitative
 Progesterone, quantitative
 Testosterone, quantitative
 Total Estriol, quantitative

Fertility **CE**

β -hCG, quantitative
 FSH, quantitative
 LH, quantitative
 Prolactin, quantitative

Tumor Markers **CE**

AFP, quantitative
 CEA, quantitative
 Ferritin, quantitative
 PSA, quantitative



ABO and Rhesus Typing



Anti-A, monoclonal
 Anti-A1 Lectin*
 Anti-B, monoclonal
 Anti-AB, monoclonal
 Anti-D (IgM/IgG), monoclonal
 Anti-C,D,E, monoclonal*
 Anti-C, monoclonal
 Anti-E, monoclonal
 Anti-c, monoclonal
 Anti-e, monoclonal

Rare Blood Grouping Reagents



Anti-H Lectin
 Anti-K, monoclonal*
 Anti-k, polyclonal
 Anti-Kpa, polyclonal
 Anti-Kpb, polyclonal
 Anti-Lea, monoclonal
 Anti-Leb, monoclonal
 Anti-Lua, polyclonal
 Anti-Lub, polyclonal
 Anti-M, polyclonal
 Anti-N Lectin
 Anti-S, polyclonal
 Anti-s, monoclonal

Auxiliary Reagents



Anti-C3d, monoclonal*
 Anti-HG (Coombs), polyspecific (anti-IgG), monoclonal (anti-C3d)
 BSA 22%
 BSA 30%
 LISS Solution
 Papain
 Precise Weak Anti-D, polyclonal*
 Anti-D Negative Control*

* no CE



RARE BLOOD GROUPING REAGENTS (KIT)

<i>Item No</i>	<i>Product</i>	<i>Size</i>	<i>Description</i>
B09934	Anti-H Lectin	2 ml	labelled vial
B08908	Anti-k, polyclonal	2 ml	labelled vial
B08910	Anti-kpa, polyclonal	2 ml	labelled vial
B08912	Anti-kpb, polyclonal	2 ml	labelled vial
B08922	Anti-Lea, monoclonal	2 ml	labelled vial
B08924	Anti-Leb, monoclonal	2 ml	labelled vial
B08928	Anti-Lua, polyclonal	2 ml	labelled vial
B08930	Anti-Lub, Polyclonal	2 ml	labelled vial
B08906	Anti-M, Polyclonal	2 ml	labelled vial
B08904	Anti-N Lectin	2 ml	labelled vial
B08900	Anti-S, monoclonal	2 ml	labelled vial
B08902	Anti-s Polyclonal	2 ml	labelled vial

INFECTIOUS DISEASES: AIDS, HEPATITIS

V11010	HEV IgM	96 Wells
Z08372	HAV IgM	96 Wells
Z06371	HAV IgG	96 Wells
Z00364	HBcAb	96 Wells
Z01365	HBc Igm	96 Wells
Z00363	HBcAb	96 Wells
Z00362	HBcAg	96 Wells
Z00361	HBsAb	96 Wells
Z03504	HBsAg	5X96 Wells
Z03505	HBsAg	6x96 Wells
Z03500	HCV Ab (Multipack)	5X96 Wells
Z03501	HCV Ab (Multipack)	6x96 Wells
Z03502	HIV – 1 & 2 Ab	5X96 Wells
Z03503	HIV – 1 & 2 aB	6x96 Wells

Note: For all other items delivery in 4-6 weeks on request.



STAR DIAGNOSTICS

*Quality made in Spain
From Vegal Farmaceutica*





Quality made in Spain From Vegal Farmaceutica

Ref	Product Name	Unit/Size
<u>Human fecal antigen detection</u>		
<u>Viruses</u>		
306R	Rotavirus	Kit/30 test (30 kit with stool vials)
306A	Adenovirus	Kit/30 test (30 kit with stool vials)
306AT	Astrovirus	Kit/30 test (30 kit with stool vials)
306RA	Rota-Adeno combo	Kit/30 test (30 kit with stool vials)
306HA	Hepatitis A	Kit/30 test (30 kit with stool vials)
306EV	Enterovirus	Kit/30 test (30 kit with stool vials)
<u>Parasites</u>		
306K	Cryptosporidium spp	Kit/30 test (30 kit with stool vials)
306G	Giardia	Kit/30 test (30 kit with stool vials)
306KGT	Crypto-Giardia combo	Kit/30 test (30 kit with stool vials)
<u>Bacteria</u>		
306PG	Helicobacter pylori	Kit/30 test (30 kit with stool vials)
	H.Pylori+Transferrin	Kit/30 test (30 kit with stool vials)
306E	E. coli O157:H7	Kit/30 test (30 kit with stool vials)
306CA	Campylobacter	Kit/30 test (30 kit with stool vials)
306SA	Salmonella (spp and Typhus)	Kit/30 test (30 kit with stool vials)
306EM	Listeria	Kit/30 test (30 kit with stool vials)
306H	Shigella	Kit/30 test (30 kit with stool vials)
306E	Yersinia	Kit/30 test (30 kit with stool vials)
<u>Protein Markers</u>		
306F	FOB	Kit/30 test (30 kit with stool vials)
306FT	Transferrin	Kit/30 test (30 kit with stool vials)
306CP	Calprotectin	Kit/30 test (30 kit with stool vials)
	Calprotectin+Lactoferrin	Kit/30 test (30 kit with stool vials)
306CF	Lactoferrin	Kit/30 test (30 kit with stool vials)



Quality made in Spain From Vegal Farmaceutica

Ref	Product Name	Unit/Size
<u>Human Respiratory antigen detection</u>		
256Y	Influenza A	Kit/25 test (25 kit with stool vials)
256AB	Influenza A+B	Kit/25 test (25 kit with stool vials)
256AR	Respiratory Adenovirus	Kit/25 test (25 kit with stool vials)
256RS	RSV	Kit/25 test (25 kit with stool vials)
256VA	RSV-Adeno combo	Kit/25 test (25 kit with stool vials)
256S	Streptococcus group A	Kit/25 test (25 kit with stool vials)

<u>Additional tests</u>		
406SG	hCG (pregnancy) serum/urine	Kit/40 test
256Y	Drugs of abuse (MOP, COC, MET, AMP, THC, MDMA, MTD, BZO, BAR)	Kit/25 test

Veterinary diagnostics

<u>Virus</u>		
306R	Rotavirus	Kit/30 test (30 kit with stool vials)
306A	Adenovirus	Kit/30 test (30 kit with stool vials)
	Swine Flu	Kit/30 test (30 kit with stool vials)
306AF	Avian flu	Kit/30 test (30 kit with stool vials)
	IPNV	Kit/30 test (30 kit with stool vials)

<u>Bacteria</u>		
	Renibacterium salmoninarum	Kit/30 test (30 kit with stool vials)

<u>Parasites</u>		
	Cryptosporidium	Kit/30 test (30 kit with stool vials)
	Leishmania	

Note: Positive Controls for all above is available on request

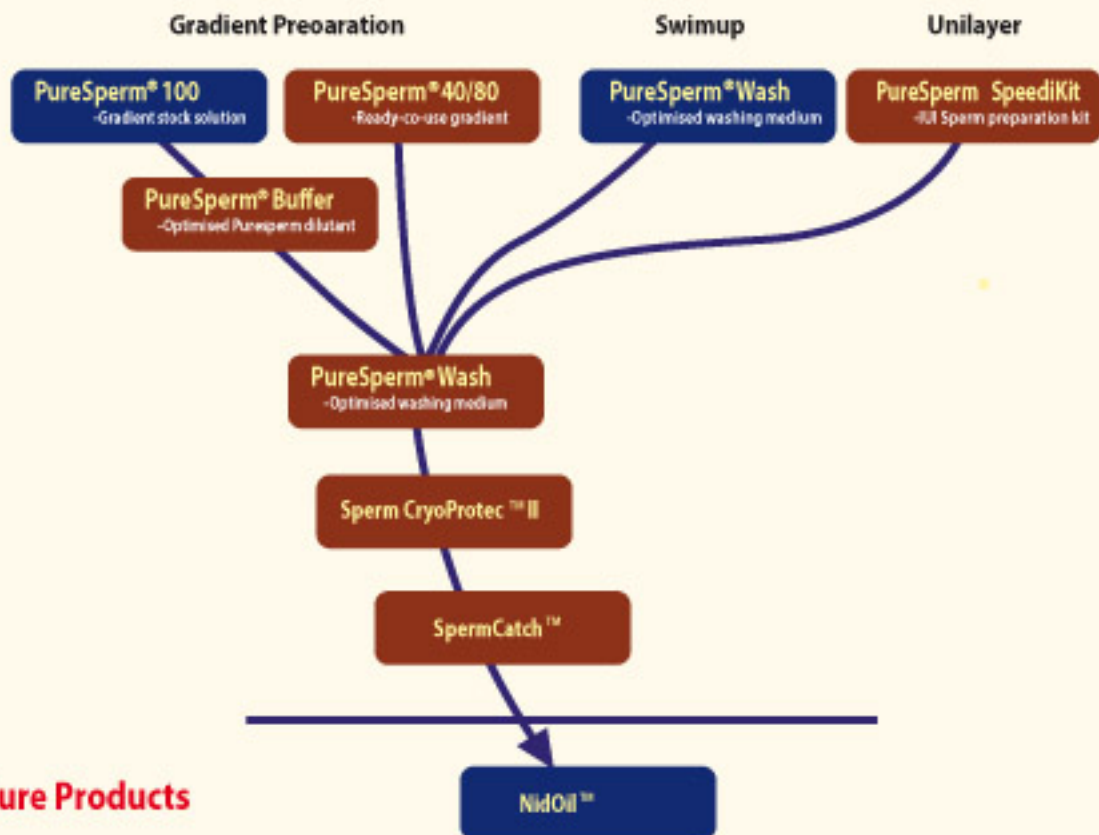


Nidacon
International AB

PRODUCTS LINE

Products . Ordering information

■ Sperm Preparation



■ Culture Products

■ Diagnostic Products



Ordering Information

Cat. No.	Description	Size
PSK-020	<i>PureSperm® 40/80</i>	2 x 20 mL
PS40-100	<i>PureSperm® 40</i>	100 mL
PS80-100	<i>PureSperm® 80</i>	100 mL
PS100-100	<i>PureSperm® 100</i>	100 mL
PS100-250	<i>PureSperm® 100</i>	250 mL
PS100-1000	<i>PureSperm® 100</i>	1000 mL
PSB-100	<i>PureSperm® Buffer</i>	100 mL
PSW-100	<i>PureSperm® Wash</i>	100 mL

Cat. No.	Description	Size
PSW-020	<i>PureSperm® Wash</i>	
PSS-070	<i>PureSperm® Speedikit</i>	
SC-100	<i>SpermCatch™</i>	
SCP-020	<i>SpermCryoProtect™ II</i>	
NO-100	<i>NidOil™</i>	
NO-300	<i>NidOil™</i>	
SVS-010	<i>Sperm Vitalstain™</i>	
SMS-250	<i>Sperm MorfoStain™</i>	

10 items or more on one purchase order gives 5% discount.

We have distributors in most countries, for a complete list take a look at our web page www.nidacon.com


NIDACON PRODUCTS LINE

CULTURE PRODUCTS



NidOil™

a sterile, light paraffin oil for use as an overlay during gamete, zygote and pre-embryo culture in the incubator, or during manipulations outside the incubator. No additives, UV-protective packaging.

Shelf life 2 years. 

Components

Light paraffin oil

DIGNOSTIC PRODUCTS



Sperm VitalStain™

a one step staining technique for assessment of sperm vitality, one of the basic tools in semen analysis.

Shelf life 2 years. 


Components

NaCl	Nigrosine
Eosin	Formalin
H ₂ O	



Sperm MorfoStain™

a classical Romanovsky stain. It is a one-step stain optimised for assessment of sperm morphology.

Shelf life 2 years. 

Components

Methanol	May Grünwald
Eosin Y	Giemsa
Methylene B	Azur B

NIDACON PRODUCTS LINE

SPERM PREPARATION PRODUCTS



PureSperm® 100

is a sterile (autoclaved SAL-10⁻³), silane-coated, silica colloid in an isotonic salt solution. It is optimised for the preparation of discontinuous density gradients for the separation and purification of human sperm.

Shelf life 2 years. **CE**

Components

Silane-Coated Silica	H ₂ O
NaCl	CaCl
Glucose	KCl
EDTA	
HEPES	



PureSperm® 40 PureSperm® 80

Ready-to-use density gradient solutions, 40 and 80%. Makes lab-work easier and minimizes the risk for mistakes.

Shelf life 2 years. **CE**

Components

Silane-Coated Silica	KCl
NaCl	Citrate
Glucose	Lactate
Na Pyruvate	HEPES
EDTA	H ₂ O



PureSperm® SpeediKit

is a kit that provides you with all the components required to prepare 5 human sperm samples for IUI. It contains semen sample tubes, ready-to-use tubes for a single layer colloid centrifugation and ready-to-use tubes with PureSperm® Wash for the washing of the pellet after centrifugation. A perfect product for the small clinic, 5 patients /kit.

Shelf life 1,5 years.

Components

Silane-Coated Silica	KCl
NaCl	Citrate
Glucose	Lactate
Na Pyruvate	HEPES
EDTA	H ₂ O
MgSO ₄	NaHCO ₃
hSA (human serum albumin)	

NIDACON PRODUCTS LINE

SPERM PREPARATION PRODUCTS



PureSperm® Buffer

a balanced salt solution designed specifically for diluting PureSperm® 100 to make up the layers of different densities for a discontinuous gradient. The optimised formulation of PureSperm® Buffer is designed to maximise sperm survival during gradient centrifugation.

Shelf life 2 years. **CE**

Components

NaCl	EDTA
KCl	Citrate
HEPES	Glucose
Lactate	H ₂ O
Pyruvate	



PureSperm® Wash

a sterile isotonic salt solution. It is optimised for washing the sperm recovered from density gradient preparations, for use in swim-up procedures, for extension of sperm prior to IUI or as a medium for maintaining sperm.

Shelf life 1 year.

Components

NaCl	Pyruvate
MgSO ₄	hSA (human serum albumin)
KCl	EDTA
KH ₂ PO ₄	H ₂ O
Glucose	HEPES
NaHCO ₃	



Sperm CryoProtect™ II

a sterile salt solution containing glycerol, optimised for freezing both gradient-prepared sperm and for unprocessed ejaculates. Nidacon recommends the nitrogen-vapour freezing technique, since this technique seems to provide the best results after thawing.

Shelf life 1 year. **CE**

Components

NaCl	EDTA
KCl	NaHCO ₃
HEPES	Lactate
Glucose	Glycerol
MgSO ₄	Pyruvate
KH ₂ PO ₄	



SpermCatch™

for slowing down sperm prior to ICSI without using polyvinylpyrrolidone (PVP). To avoid ICSI injection of PVP, it contains only natural products for increasing the viscosity.

Shelf life 1 year.

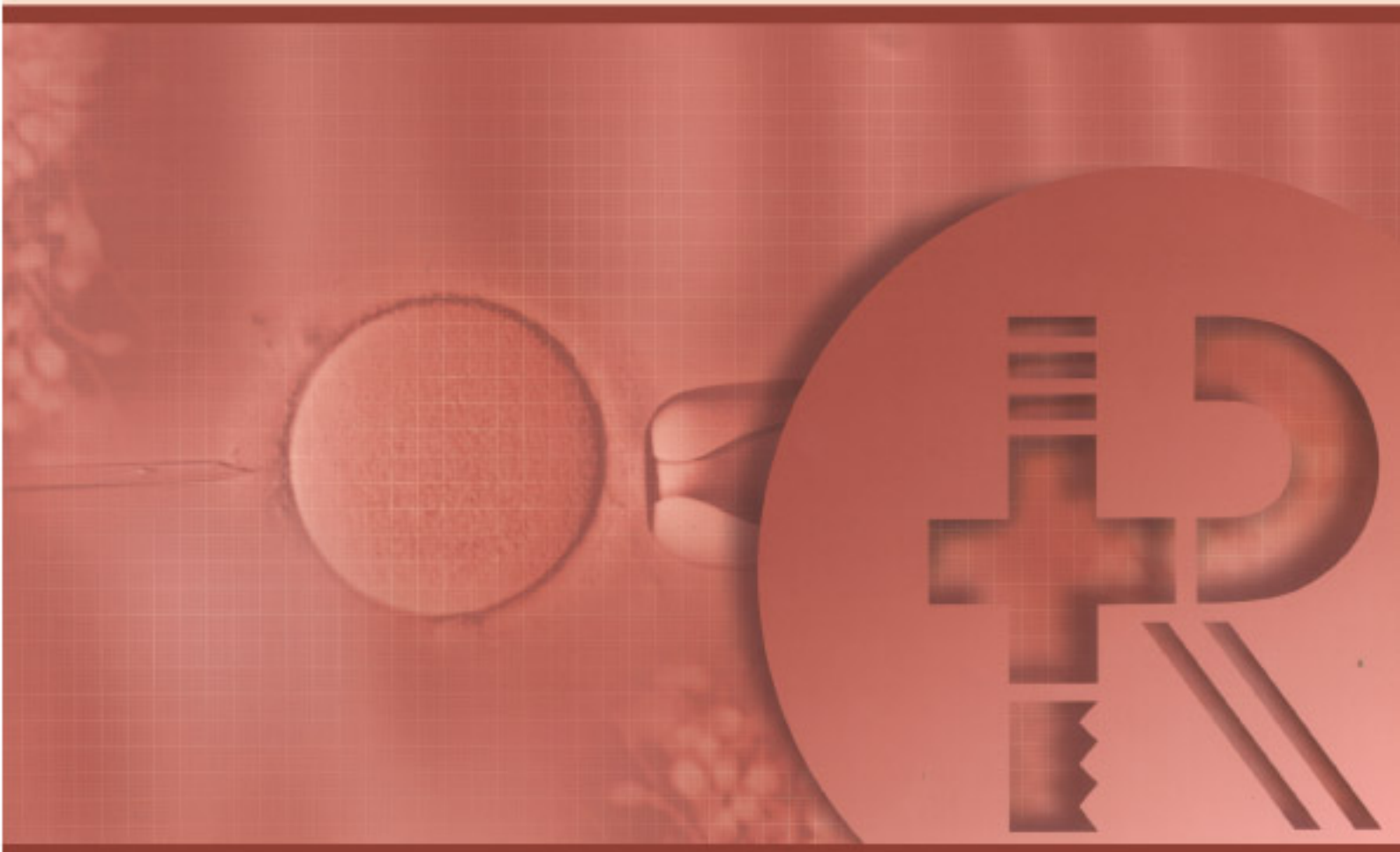
Components

NaCl	Pyruvate
MgSO ₄	hSA (human serum albumin)
KCl	EDTA
KH ₂ PO ₄	H ₂ O
Glucose	HEPES
NaHCO ₃	Hyaluronic acid



Rocketmedical

Embryon[®] IVF Range



Embryon[®] IUI Catheters offer reliability, simplicity and ease of use for difficult cervical access and exceptional value for money.

Embryon[®] IUI Catheter



Embryon[®] IUI Catheters

Usage: Embryon[®] Single Lumen IUI Catheters are for Intrauterine or Intra-cervical insemination where cervical access is complicated by excessive retroversion, anteversion.

- Soft inner catheter with smooth tip profile ensures minimal trauma with excellent catheter tip control.
- UNIQUE smooth outer sheath with high memory characteristics ensures ease of insertion, particularly in those patients where access to the external os is difficult.
- Tip position indicator markings to ensure accurate placement of the catheter tip in the uterine cavity.
- Low cost to provide excellent value for money in routine IUI.
- **GUARANTEED - ETHYLENE OXIDE FREE.** Every Embryon[®] product is sterilised by gamma irradiation to remove the significant risk of toxicity from residual contamination with EtO. Ensures there is no need for long and costly quarantine periods before use.
- **STERILE - Single Use.** Guaranteed sterile and free of all contamination from previous use or reprocessing unless the pack has been opened or damaged.



Embryon [®] EDT [™] ESL [™] & EDL [™] Range	Pack	Code
Embryon [®] ESL [™] Single Lumen IUI Catheter	25	R57.621
Embryon [®] EDL [™] Double Lumen IUI Catheter	25	R57.622

Specifications:

Inner Catheter: 50mm active length
 Outer Sheath: 130mm x 2.5mm OD - high memory
 Pack: Single wrap 'Peel Pouch'
 Sterilization: Gamma irradiated @ 25kGy/2.5 MRads



Easy **READER**®

VEDA . LAB ...

Quality made in France

Easy READER®

Rapid Test Reader Provides quantitative results

The VEDALAB Easy Reader® is an innovative meter for the reading of immunochromatographic qualitative rapid test cards thus converting them into quantitative assays.



Available quantitative tests

AFP ●●●
CA-125 ●●●
CEA ●●●
CK-MB ●●●
CRP ●●●
HS CRP ●●●
D-DIMER ●●●

FERRITIN ●●●
FOB ●
FSH ●●●
hCG ●*●●
IgE ●●●
INSULIN ●●●
LH ●●●

MICROALBUMIN *
MYOGLOBIN ●●●
PROLACTIN ●●●
PSA ●●●
TROPONIN I ●●●
TSH ●●●

"Coming soon" tests

β2 MICROGLOBULIN ●●●*
BNP ●●●
FABP ●●●
T4 ●●●

■ serum
● plasma
● whole blood
* urine
● feces

Photo non contractuelle 2012/05

CE



RAPID TEST READER**Provides quantitative results**

<i>Parameters</i>	<i>Ref.</i>	<i>Quantitative determination</i>	<i>Reading time (min)</i>	<i>READER measuring range</i>
AFP	23091	Alpha feto protein (tumor marker)	10	10 - 300 ng/mL
CA -125	74091	Antigen 125 (Ovarian cancer)	15	15 - 750 IU/mL
CEA	45091	CarcinoEmbryonic Antigen (tumor marker)	15	5 - 250 ng/mL
CKMB	14091	Creatine Kinase MB (Acute myocardial infarction)	15	5 - 200 ng/mL
CRP	34091-3L	C-Reactive Protein (inflammatory process)	10	2.5 - 400 µg/mL
D-DIMERS	70291	D-Dimers (deep vein thrombosis)	15	250 - 5000 ng/mL FEU
FOB (Faecal Occult Blood)	4091-3L	Blood in feces (colorectal cancer)	10	10 - 499 ng/mL
FRT	25091	Iron deficiency (anemia)	15	10 - 630 ng/mL
FSH	11091	Follicle stimulating hormone (menopause)	10	5 - 400 IU/L
h-CG	3091-3L	Human chorionic gonadotropin (pregnancy)	15	5 - 1000 IU/L
IgE	18091	Immunoglobulines E (allergy)	10	10 - 800 IU/mL
INSULIN	12091	Insulin hormone (diabetes, insulinoma)	15	5 - 200 µU/mL
LH	5091	Luteinizing hormone	10	5 - 200 IUL
M-ALB	27091-3L	Albumin in urine (diabetes)	10	2.5 - 5000 µg/mL
MGL	15091	Myoglobin (acute myocardial infarction)	15	50 - 500 ng/mL
PRL	9091	Prolactin hormone (lactation)	10	20 - 350 ng/mL EASY
PSA	8091	Prostate Specific Antigen (prostate cancer)	10	1 - 100 ng/mL
TRP I	28091	Troponin I (Acute myocardial infarction)	20	0 - 50 ng/mL
TSH	21091	Thyro Stimulating Hormone (Hypothyroidism)	15	2 - 80 mIU/L
HS-CRP	34091-3L	High Sensitive CRP	10	0.1 - 400 mg/L

Note: All the above kits supplied with PK/20 Tests

PRODUCT LIST FOR VIALED POSITIVE AND NEGATIVE QUANTITATIVE CONTROLS
On Request For Easy Reader

<i>Parameters</i>	<i>Ref.</i>	<i>Type of Control</i>	<i>Type of Product</i>	<i>To Be Kept At:</i>
CK-MB	V2800B	Positive Control	Liquied	+2°C to +8°C
CK-MB	V2801B	Negative Control	Liquied	+2°C to +8°C
CRP	V340	Positive Control	Freeze dried	+4°C to +30°C before reconstitution
D-DIMER	V720	Positive Control	Freeze dried	+4°C to +30°C before reconstitution
FOB	V080	Positive Control	Freeze dried	+4°C to +30°C before reconstitution
MYOGLOBIN	V2600	Positive Control	Freeze dried	+4°C to +30°C before reconstitution
MYOGLOBIN	V2601	Negative Control	Freeze dried	+4°C to +30°C before reconstitution
PSA	V040	Medium positive Control	Freeze dried	+4°C to +30°C before reconstitution
PSA	V041	Strong Positive Control	Freeze dried	+4°C to +30°C before reconstitution
PSA	V045	Negative Control	Freeze dried	+4°C to +30°C before reconstitution
TROPONIN I WB	V280	Positive Control	Freeze dried	+4°C to +30°C before reconstitution
TROPONIN I WB	V281	Negative Control	Freeze dried	+4°C to +30°C before reconstitution
TSH	V2500	Positive Control	Freeze dried	+4°C to +30°C before reconstitution
TSH	V2501	Negative Control	Freeze dried	+4°C to +30°C before reconstitution



PRODUCT OF KOREA

- Biohazard Safety Cabinets
- Water Baths
- Ovens
- Incubators
- Autoclaves
- Dry Heating Blocks

PRODUCT OF KOREA

<i>Model No.</i>	<i>Item Description</i>	<i>Packing Unit</i>
SLFS- T1000	Biohazard Safety Cabinet Class II A2	Unit
SLFS - T1300	Biohazard Safety Cabinet Class II A2	Unit
SSW - 101D	Digital Water Bath, 11L	Unit
SSW - 102D	Digital Water Bath, 22L	Unit



SLFS -T1000



SSW - 101D

PRODUCT OF KOREA

<i>Model No.</i>	<i>Item Description</i>	<i>Packing Unit</i>
SDON – 501	Natural Convention Oven, 32L	Unit
SDON – 502	Natural Convention Oven, 50L	Unit
SSI – 701	General Incubator 32L	Unit
SSI – 702	General Incubator 50L	Unit
SACV – 801	Autoclave, 40L	Unit
SACV – 802	Autoclave, 60L	Unit
SACV – 803	Autoclave, 80L	Unit
SM - 10	Hot Plate Magnetic Stirrer	Unit



SSI - 701



SDON - 501



SACV - 801



SHANDONG - WEGO VACUTAINERS

Quality made in China

SHANDONG VACUTAINERS

Quality made in China

BLOOD COLLECTING TUBES

<i>SL. No.</i>	<i>Item Description</i>	<i>Packing Unit</i>
1	Plain 3ml 13 x 75mm	Pk/100 pcs
2	Plain 4.5 ml 13x75mm	Pk/100 pcs
3	Plain 6.5ml 13x100mm	Pk/100 pcs
4	EDTAK3 3ml 13x75mm	Pk/100 pcs
5	EDTAK3 4.5 ml 13x75mm	Pk/100 pcs
6	Heparin Lithium 3ml 13x75mm	Pk/100 pcs
7	Heparin Lithium 4.5ml 13x75mm	Pk/100 pcs
8	Sodium Citrate 1:9 1.8ml 13x75mm	Pk/100 pcs
9	Sodium Citrate 1:9 2.7ml 13x75mm	Pk/100 pcs
10	GEL 4.5ml 13x100mm	Pk/100 pcs
11	GEL 6.5ml 13x100mm	Pk/100 pcs



SCIENTIFIC & EDUCATIONAL LABORATORY



SCIENTIFIC & EDUCATIONAL LABORATORY

INSTRUMENTS & SUPPLIES

- **CAROLINA BIOLOGICAL SUPPLY COMPANY U.S.A** (Scientific Supplies)
 - > Living Organism
 - > Preserved Organism
 - > Chemistry & Physics
 - > Lab Supplies & Equipments
 - > Teacher Resources

- **LABTECH - KOREA** (Laboratory Equipment)
 - > Fumehood
 - > Waterbath
 - > Oven
 - > Incubator
 - > Sterilizer
 - > Hotplates

- **3B GERMANY** (Anatomy Models)

- **ADAM - U.K** (Laboratory Scales and Analytical balances)

- **MILWAUKEE - ITALY** (PH meters)

- **APEL - JAPAN** (Spectro photometers)
 - > Photo Electric Colorimeter
 - > Spectrophotometer
 - > Hemoglobin Meter
 - > Hematcrit Centrifuge
 - > Total Bilirubin Meter



المركز الرئيسي : ص. ب ٢٠ جدة ٢١٤١١ - هاتف : ٦٦٠٤٤٨٠ / ٦٦٧٤١٨٥ فاكس : ٦٦٩٦٣٠٧
مكتب الرياض : ص. ب ١٥٩١ الرياض ١١٤٤١ - هاتف : ٤٠٢١٤٩٦ / ٤٠١٠٠٤٩ فاكس : ٤٠٥٣٦٥٧
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