ELISA System Line

Analyzers and Reagents

- Instruments for all kinds of laboratories
- Broad range of parameters
- Proven quality

CoreLab DX

ELISA









Human

Diagnostics Worldwide

ELISA System Line

Unique Solutions



Your Advantages

- Instruments for all kinds of laboratories from low to high throughput
- Optimised to meet your needs
- Easy to use and flexible
- Broad range of parameters, steadily growing
- High-quality products
- More than 120 assays available for detection of
  - Infectious Diseases
  - Hormones
  - Tumor Markers
  - Autoimmune Diseases (IMTEC line)

The Instruments

For all Kinds of Laboratories





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 barcode reader built-in
- Direct use of HUMAN/IMTEC kit components
- Pre-programed HUMAN/IMTEC tests
- 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 routine use (incl. PC) 180 x 156 x 120 cm
- External PC required
- 230/110 Vac, 400 VA

Flyer Elisys Quattro

Cat. No. 16300

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 barcode reader built-in
- Direct use of HUMAN/IMTEC kit components
- Pre-programed HUMAN/IMTEC tests
- 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 routine use 125 x 95 x 115 cm
- 230/110 Vac, 240 VA

Movie Elisys Duo

Flyer Elisys Duo

Cat. No. 17200

* depends on the procedure of the ELISA kits applied

The Instruments

For Medium- to Small-Volume Laboratories





Elisys Uno

One-plate fully automated ELISA analyzer for all kinds of laboratories

- Ideal entry into ELISA automation
- Optimised to meet your needs
- Walk away loading capacity
- Direct use of HUMAN and IMTEC kit components
- Combining of up to 8 parameters simultaneously*
- Pre-programed HUMAN/IMTEC tests
- 4 PL calculation mode
- Excellent cost/performance ratio
- Easy to use software with self-explanatory structure
- Time-management and QC modules
- Interface for LIS communication
- Dimensions routine use (incl. PC) 170 x 80 x 80 cm
- External PC required
- 230/110 Vac, 160 VA

Flyer
Elisys Uno

Cat. No. 17350

Combiwash

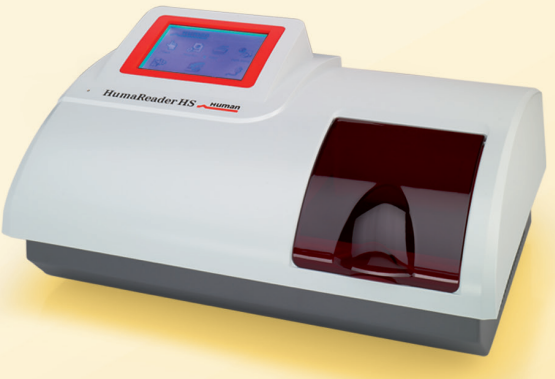
Workstation with combined microplate washer, incubator & shaker

- Large LCD display
- Menu driven intuitive operation
- Automatic prime and rinse
- 4 wash bottles
- Liquid detector for all bottles
- Up to 100 different wash programs
- Easy maintenance
- 2 incubator positions
- Shaking capability
- 230/110 Vac

Flyer
Combiwash

Cat. No. 18460

* depends on the procedure of the ELISA kits applied





HumaReader HS

Microplate Reader

- 8-channel fiber optics, reads a complete plate in just 5 seconds
- Sophisticated on-board software
- State-of-the-art technology
- All quantitative and qualitative calculation modes available
- Accurate and precise results
- Pre-programed for HUMAN and IMTEC ELISA tests plus open protocols for user-defined assays
- Large LCD display with touch screen
- Stores calibration curves
- Plate shaking capability
- 4 PL calculation mode
- Kinetic reading mode
- Print programs
- Export/import programs
- 230/110 Vac

Flyer
HumaReader HS

Cat. No. 16670

HumaReader Single plus

Microtiter strip reader

- New touch screen design
- Excellent price-performance ratio
- Pre-programed for HUMAN and IMTEC ELISA methods
- User programmable
- Automatic strip positioning, reading and calculation
- Curve and cut-off calculation
- Calibration automatically stored in memory
- Built-in incubator
- Built-in thermal printer
- Use of single wells, 8-well or 12-well strips
- Automatic filter wheel
- New wide range external power supply 240/100 Vac

Cat. No. 18000

The Reagents

Assays of High Quality and Clinical Relevance

Infectious Diseases

HIV More than 35 million people infected worldwide

Hepatitis B Infection leads to a variety of conditions including an asymptomatic chronic state, acute self-limiting infection and fulminant hepatitis. Chronic infection is a leading cause of cirrhosis and liver cancer.

Hepatitis C Hepatitis C is the most important cause of chronic liver disease.

Toxoplasmosa Acute toxoplasmosis in pregnant women can result in severe damage to or death of the fetus.

Rubella During the first trimester of pregnancy infections can lead to congenital rubella syndrome with one or more birth defects.

CMV CMV can cause severe morbidity and mortality in congenitally infected newborns and immunocompromised patients.

HSV-1 + HSV-2 Herpes simplex virus infections are among the most prevalent infections in humans.

Dengue Dengue is a very important mosquito-borne viral disease with an estimated 50 million cases per year.

EBV Primary EBV infection in childhood is usually asymptomatic, in adults the EBV infection results in infectious mononucleosis.

Measles More than 1 million deaths per year (WHO estimate)

VZV Virus causes varicella (chicken pox) and Herpes zoster (shingles)

Mumps In adults the infection results in serious illness.

Syphilis Caused by Treponema pallidum – 12 million new cases per year, mostly in developing countries and rapidly increasing incidence in Eastern Europe

Helicobacter Pylori Helicobacter pylori is responible for 80–90% of gastritis cases and is suspected to be a major cofactor for the development of gastric and duodenal ulcers.

Chlamydia trachomatis Chlamydia trachomatis infections count among the most widespread sexually transmitted diseases.

Chagas Chagas disease is a chronic infection caused by the parasite Trypanosoma cruzi. It is endemic mainly to Central and South America resulting in 9 to 12 million of infected people and thousands of deaths per year.

Allergy

Total IgE — High levels can indicate an allergy or disposition

Hormones

Protein Hormones

FSH + LH — Important for the assessment of the menstrual cycle, the diagnosis of infertility and hormone therapy in menopause.

hCG — Marker for pregnancy screening and used for the assessment of hypogonadism.

Prolactin (PRL) — Used for the assessment of hyperprolactinemia and therapeutic monitoring.

Steroid Hormones

Estradiol — Monitoring of infertility treatment and assessment of ovarian function

Estriol — Evaluation of fetal health and monitoring of high risk pregnancies

Progesterone — Testing of corpus luteum function and confirmation of ovulation

Testosterone — Differentiation of hirsutism and virilism, testing of hypogonadism and hypergonadism

DHEA-S — Differentiation of hirsutism and virilism and testing of tumors of the adrenal cortex

Cortisol — Assessment of hyper- and hypocortisolism

new **Vitamin D** — Detection of Vitamin deficiency

Thyroid Hormones

TSH — Initial test for the determination of the thyroid status

T3
T4
fT3
fT4 — Confirmation tests are done with fT4 or T4 and fT3 or T3 in the case of low or reduced TSH levels.

Thyroid Antibodies

Anti-TSH-Receptor
Anti-TPO
Anti-TG — Thyroid antibody testing is primarily ordered to differentiate autoimmune thyroid diseases from other forms of thyroid inflammatory diseases

Tumor Markers

AFP — Early marker – for gross defects in the fetus
First marker – Germinal carcinoma and primary hepatocellular carcinoma

CEA — First marker – for colorectal carcinoma
Second marker – for pancreatic, gastric, breast, lung, C-cell and cervical carcinoma

PSA — First marker – for prostate carcinoma

fPSA — Marker to aid discrimination between prostate carcinoma and hyperplasia

CA 15-3 Ag — First marker – for breast carcinoma

CA 19-9 Ag — First marker – for pancreatic carcinoma
Second marker – for colorectal, hepatobilary and gastric carcinoma

CA 125 Ag — First marker – for ovarian carcinoma

The Reagents

The Comprehensive Menu at a Glance

Hepatitis and HIV		Cat. No.
HIV Ag/Ab (4th Gen HIV)		
(96 Tests)		51215
new (480 Tests)		512155
anti-HIV 1/2		51205 C
anti-HCV		51275
new **anti-HCV**		
(96 Tests)		51250*
(480 Tests)		512505*
HBsAg		51048
new **HBsAg ultra sens**		
(96 Tests)		51050*
(480 Tests)		510505*
anti-HBs		51255
anti-HBc		51260

ToRCH		Cat. No.
Toxo	IgM µ-capture	51119
	IgG	51209
Rubella	IgG	51208
	IgM µ-capture	51108
CMV	IgG	51203
	IgM	51103
HSV 1	IgG	51216
HSV 2	IgG	51226
HSV	IgM	51126

Other Infections		Cat. No.
Chlamydia trachomatis	IgG	51228
	IgA	51328
Chagas Rec	IgG	51150
Dengue	IgG	51240
	IgM	51140
EBV	IgG	51204
	IgM	51104
H. Pylori	IgG	51222
	IgA	51322
Measles	IgG	51206
	IgM	51106
Mumps	IgG	51207
	IgM	51107
Syphilis Screen		51005
VZV	IgG	51210
	IgM	51110

Tumor Markers	
AFP	52010
CEA	52020
PSA	52030
fPSA	52035
CA 15-3 Ag	52070
CA 125 Ag	52050
CA 19-9 Ag	52060

Allergy	Cat. No.
Total IgE	51015

Protein Hormones	
FSH	53020
PRL	53030
hCG	53040
LH	53010

Steroid Hormones	
Testosterone	55010
Progesterone	55020
Estradiol	55030
Estriol	55040
Cortisol	55050
DHEA-S	55060
new **25-OH Vitamin D**	55500

Thyroid Hormones	
TSH	54030
T3	54010
T4	54020
fT3	54015
fT4	54025

Thyroid Antibodies	
IMTEC-TSH-Receptor-Antibodies	ITC 85030
IMTEC-TG-Antibodies	ITC 85010
IMTEC-TPO-Antibodies	ITC 85020

* available Q2/2015

981106/2015-02 © 2015 Human GmbH

Human
Diagnostics Worldwide

HUMAN Gesellschaft für Biochemica und Diagnostica mbH
Max-Planck-Ring 21 · 65205 Wiesbaden · Germany
Tel. +49 6122-9988-0 · Fax +49 6122-9988-100 · e-mail: human@human.de · www.human.de