

## ELISA Reagents

### Infectious Diseases

ELISA infectious serology constitutes an indispensable and yet reliable method for accurate and individual diagnosis as well as prognosis. HUMAN provides a broad range of high quality state-of-the-art assays for the diagnosis of infections caused by viral, bacterial and parasitic agents. Our offer includes assays for:

- STDs (Sexually Transmitted Diseases) - a group of diseases that is among the five most important types of diseases affecting adults seeking health care in developing countries. Parameters include: HIV, hepatitis, syphilis.
- TORCH - a group of pathogens causing prenatal infections with potentially serious consequences for the unborn: *Toxoplasma*, rubella, cytomegalovirus, herpes simplex.
- Other infections: Epstein-Barr virus, varicella-zoster virus, measles, mumps, etc.
- Regional or endemic diseases with mild or symptomless courses, but serious consequences in the chronic phase: dengue.



CA 15-3

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### Tumor Markers

Tumor markers are an integral part of modern cancer management. They are primarily used for monitoring and additionally for diagnostic and prognostic purposes, in combination with other clinical and paraclinical parameters.

### Thyroid

Assays of a thyroid panel can help diagnose and monitor the treatment of thyroid disorders. HUMAN ELISA Thyroid is one of the broadest thyroid testing panels available on the market, including autoantibodies to thyroglobulin (TG), thyroid peroxidase (TPO) and TSH receptor (TRAb).

### Fertility Hormones

HUMAN's panel of fertility parameters includes all relevant assays to detect ovulation and/or to diagnose infertility, including assays for steroid hormones/prohormones and reproductive hormones of the pituitary.

### Metabolism and Bone Marker

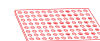
HUMAN's quantitative ELISA assays for cortisol and 25-OH Vitamin D to help diagnose general metabolic disorders and bone disease, respectively.

### Allergy

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

### ELISA Reagents for Autoimmune Diseases

HUMAN, with its autoimmune brand IMTEC, is one of the leading experts and providers of autoimmune in vitro diagnostics. Further information can be found in our separate Autoimmune DX product catalog.



COMBIWASH

## Workstation

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



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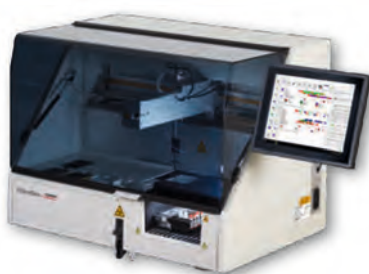
HumaReader Single plus

## Readers

A single strip and a high-speed plate reader designed for low throughput ELISA users. Both instruments are easy to use and provide reliable and fast results.



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Elisys Duo

## Elisys Automated Analyzers

HUMAN's automated ELISA analyzers cover the requirements of small to large ELISA laboratories. Full automation is available for 1, 2 or 4 plates with different test combinations on each plate. Sample barcode reading for secure and automatic sample identification is standard on the larger instruments. Most HUMAN ELISA tests are preprogrammed and additional applications can be added at any time.



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DENGUE IgG ELISA

## Infectious Diseases

REF	Format	Unit/Size	Storage	Remark	Sample
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### CMV

Qualitative determination of IgG or IgM antibodies to cytomegalovirus

51203	IgG	96 tests	2...8 °C	PEI calibration	SERUM
51103	IgM				

### DENGUE

Qualitative determination of IgG or IgM antibodies to dengue virus

51240	IgG	96 tests	2...8 °C		SERUM
51140	IgM				SERUM EDTA HEP

### EBV

Qualitative determination of IgG or IgM antibodies to Epstein-Barr virus

51204	IgG	96 tests	2...8 °C		SERUM
51104	IgM				

### H. PYLORI

Qualitative determination of IgG or IgA antibodies to *Helicobacter pylori*

51222	IgG	96 tests	2...8 °C		SERUM EDTA HEP CITRATE
51322	IgA				SERUM EDTA HEP

### HBsAg ultra sens

Qualitative determination of hepatitis B surface antigen (HBsAg)

51050	Antigen test	96 tests	2...8 °C	WHO calibration	SERUM EDTA HEP CITRATE
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### anti-HBc\*

Quantitative determination of total anti-HBc antibodies (anti-HBc-ab)

51260	Antibody test	96 tests	2...8 °C	PEI calibration	SERUM EDTA HEP OXALATE
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SERUM

Serum

EDTA

Plasma  
EDTA

HEP

Plasma  
HEP

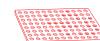
CITRATE

Plasma  
Citrate

OXALATE

Plasma  
Oxalate

\* Currently without CE-mark



REF	Format	Unit/Size	Storage	Remark	Sample
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**anti-HBs\***

Qualitative determination of antibodies to hepatitis B surface antigen (HBsAg)

51255	Antibody test	96 tests	2...8 °C	PEI calibration	SERUM EDTA HEP OXALATE
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**anti-HCV**

Qualitative determination of anti-HCV antibodies

51275	Antibody test	96 tests	2...8 °C	Recomb. antigens	SERUM EDTA HEP CITRATE
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**HIV Ag/Ab**

Qualitative determination of the human immunodeficiency virus (HIV) p24 antigen and antibodies to HIV-1 (incl. Group O) and HIV-2

51215	Antigen / Antibody test	96 tests	2...8 °C	Recomb. antigens Monocl. antibodies	SERUM EDTA HEP CITRATE
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**HSV**

Qualitative determination of IgG antibodies to herpes simplex virus type 1 or 2 or IgM antibodies to herpes simplex virus

51216	HSV 1 IgG	96 tests	2...8 °C		SERUM
51226	HSV 2 IgG				
51126	HSV IgM				

**MEASLES**

Qualitative determination of IgG or IgM antibodies to measles virus

51206	IgG	96 tests	2...8 °C		SERUM
51106	IgM				

**MUMPS**

Qualitative determination of IgG or IgM antibodies to mumps virus

51207	IgG	96 tests	2...8 °C		SERUM
51107	IgM				

**RUBELLA**

Qualitative determination of IgG or IgM (μ-capture) antibodies to rubella virus

51208	IgG	96 tests	2...8 °C	WHO calibration	SERUM
51108	IgM μ-capture				SERUM EDTA HEP CITRATE



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## Infectious Diseases

REF	Format	Unit/Size	Storage	Remark	Sample
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### SYPHILIS SCREEN

Qualitative determination of antibodies to *Treponema pallidum*

51005	Antibody test	96 tests	2...8 °C		SERUM EDTA HEP CITRATE
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### Toxo

Qualitative determination of IgG or IgM (μ-capture) antibodies to *Toxoplasma gondii*

51209	IgG	96 tests	2...8 °C	WHO calibration	SERUM
51119	IgM μ-capture				SERUM EDTA HEP CITRATE

### VZV

Qualitative determination of IgG or IgM antibodies to varicella-zoster virus

51210	IgG	96 tests	2...8 °C		SERUM
51110	IgM				

## Fertility Hormones

REF	Format	Unit/Size	Storage	Remark	Sample
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### DHEA-S

Quantitative determination of dehydroepiandrosterone sulfate

55060	Antigen test	96 tests	2...8 °C		SERUM EDTA
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### ESTRADIOL

Quantitative determination of estradiol

55030	Antigen test	96 tests	2...8 °C		SERUM EDTA
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SERUM

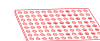
EDTA

HEP

CITRATE

Serum

Plasma  
EDTAPlasma  
HEPPlasma  
Citrate



## Fertility Hormones

REF	Format	Unit/Size	Storage	Remark	Sample
<b>ESTRIOL</b>					
Quantitative determination of free estriol					
55040	Antigen test	96 tests	2...8 °C		SERUM EDTA
<b>FSH</b>					
Quantitative determination of follicle stimulating hormone (FSH)					
53020	Antigen test	96 tests	2...8 °C	WHO calibration	SERUM
<b>hCG</b>					
Quantitative determination of human chorionic gonadotropin (hCG)					
53040	Antigen test	96 tests	2...8 °C	WHO calibration	SERUM
<b>LH</b>					
Quantitative determination of luteinizing hormone (LH)					
53010	Antigen test	96 tests	2...8 °C	WHO calibration	SERUM
<b>PRL</b>					
Quantitative determination of prolactin (PRL)					
53030	Antigen test	96 tests	2...8 °C	WHO calibration	SERUM
<b>PROGESTERONE</b>					
Quantitative determination of progesterone					
55020	Antigen test	96 tests	2...8 °C		SERUM EDTA
<b>TESTOSTERONE</b>					
Quantitative determination of testosterone					
55010	Antigen test	96 tests	2...8 °C		SERUM EDTA

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## Thyroid

REF	Format	Unit/Size	Storage	Remark	Sample
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### T3

Quantitative determination of total triiodothyronine (T3)

54010	Antigen test	96 tests	2...8 °C		SERUM EDTA HEP
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### T4

Quantitative determination of total thyroxine (T4)

54020	Antigen test	96 tests	2...8 °C		SERUM EDTA HEP
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### ft3

Quantitative determination of free triiodothyronine (ft3)

54015	Antigen test	96 tests	2...8 °C		SERUM
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### ft4

Quantitative determination of free thyroxine (ft4)

54025	Antigen test	96 tests	2...8 °C		SERUM
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### TSH

Quantitative determination of thyroid stimulating hormone (TSH, thyrotropin)

54030	Antigen test	96 tests	2...8 °C	WHO calibration	SERUM
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### TSH RECEPTOR ANTIBODIES

Quantitative determination of anti-TSH receptor antibodies

ITC85030	Antibody test	96 tests	2...8 °C	WHO calibration	SERUM
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### TG-ANTIBODIES

Quantitative determination of anti-thyroglobulin antibodies (IgG)

ITC85010	IgG	96 tests	2...8 °C	WHO calibration	SERUM
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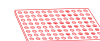
ft3 ELISA



Serum

Plasma  
EDTA

Plasma  
HEP



## Thyroid

REF	Format	Unit/Size	Storage	Remark	Sample
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### TPO-ANTIBODIES

Quantitative determination of anti-thyroid peroxidase antibodies (IgG)

ITC85020	IgG	96 tests	2...8 °C	WHO calibration	SERUM
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## Metabolism

REF	Format	Unit/Size	Storage	Remark	Sample
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### CORTISOL

Quantitative determination of cortisol

55050	Antigen test	96 tests	2...8 °C		SERUM EDTA
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## Bone Marker

REF	Format	Unit/Size	Storage	Remark	Sample
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### 25-OH Vitamin D

Quantitative determination of 25-OH vitamin D

55500	Antigen test	96 tests	2...8 °C	ID-LC / MS-MS calibration	SERUM HEP
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25-OH Vitamin D

## Allergy

REF	Format	Unit/Size	Storage	Remark	Sample
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### Total IgE

Quantitative determination of total immunoglobulin E (IgE)

51015	IgE	96 tests	2...8 °C	WHO calibration	SERUM
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## Tumor Markers

REF	Format	Unit/Size	Storage	Remark	Sample
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### AFP

Quantitative determination of alpha-fetoprotein

52010	Antigen test	96 tests	2...8 °C	WHO calibration	SERUM
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### CA 125

Quantitative determination of carbohydrate antigen 125

52050	Antigen test	96 tests	2...8 °C		SERUM
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### CA 15-3

Quantitative determination of carbohydrate antigen 15-3

52080	Antigen test	96 tests	2...8 °C		SERUM
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CA 15-3 ELISA

### CA 19-9

Quantitative determination of carbohydrate antigen 19-9

52060	Antigen test	96 tests	2...8 °C		SERUM
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### CEA

Quantitative determination of carcinoembryonic antigen

52020	Antigen test	96 tests	2...8 °C	WHO calibration	SERUM
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### PSA

Quantitative determination of total prostate specific antigen

52030	Antigen test	96 tests	2...8 °C	WHO calibration	SERUM
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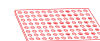
### fPSA

Quantitative determination of free prostate specific antigen

52035	Antigen test	96 tests	2...8 °C	WHO calibration	SERUM
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Serum



## Workstation

With 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,  
shaker and incubator

- Up to 100 wash protocols
- 4 different wash bottles
- 2 incubator positions for  
25°C / 30°C or 37°C
- Plate shaking ability



#### Accessories

REF	Description
18460/5	12-pin manifold
18460/26	110 VA transformer



Combiwash



## Readers

Single strip and high speed plate reader are designed for low throughput ELISA users. Both instruments are easy to use and provide reliable and fast results.



### Accessories

REF	Description
18001	3 x 12 well boat
16801/20	Thermal printer paper (10 pcs)

REF

18000

## HumaReader Single plus

### Microtiter strip reader

- Most HUMAN assays preprogrammed (plug & run) and user programmable tests
- Color touchscreen
- Very short start-up time
- Convenient automatic strip transport (up to 3 strips)
- Curve and cut-off calculation
- Built-in printer and incubator
- Photometer with automatic filter wheel
- 4 filter wheel: 405, 450, 492, 630 nm installed



HumaReader HS

REF

16670

## HumaReader HS

### Microtiter plate reader

- Most HUMAN assays preprogrammed (plug & run) and user programmable tests
- 8-channel, high-speed reading of full plate in 5 sec
- Memory for 200 tests and 10,000 results
- Touchscreen, Windows® software
- 8 filter wheel: 405, 450, 492, 630 nm installed

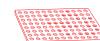
### Accessories

REF	Description
16670/491	PC mouse with USB
18993L	Laser printer
16670/51	Filter optical 412 nm <sup>1</sup>
16670/52	Filter optical 420 nm <sup>1</sup>
16670/53	Filter optical 490 nm <sup>1</sup>
16670/54	Filter optical 505 nm <sup>1</sup>
16670/55	Filter optical 520 nm <sup>1</sup>
16670/56	Filter optical 540 nm <sup>1</sup>
16670/58	Filter optical 545 nm <sup>1</sup>
16670/59	Filter optical 546 nm <sup>1</sup>

### Accessories

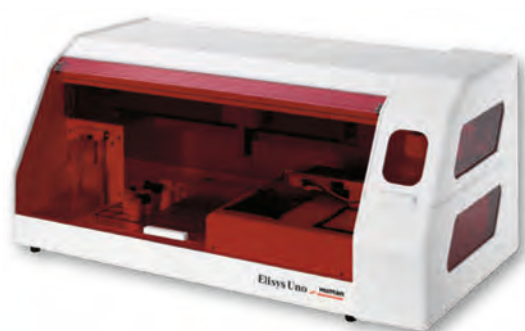
REF	Description
16670/57	Filter optical 550 nm <sup>1</sup>
16670/63	Filter optical 570 nm <sup>1</sup>
16670/60	Filter optical 578 nm <sup>1</sup>
16670/62	Filter optical 590 nm <sup>1</sup>
16670/61	Filter optical 595 nm <sup>1</sup>
16670/67	Filter optical 600 nm <sup>1</sup>
16670/65	Filter optical 650 nm <sup>1</sup>
16670/66	Filter optical 655 nm <sup>1</sup>

<sup>1</sup> Spare part set attenuation glasses **REF 16670/82** must be ordered separately!



## Elisys Automated Analyzers

HUMAN's automated ELISA analyzers cover the requirements of small to large laboratories. Full automation is available for 1, 2 or 4 plates with different test combinations on each plate. Sample barcode reading for secure, automatic sample identification is standard on the larger instruments. All HUMAN ELISA tests are preprogrammed and validated. Additional applications can be added at any time.



REF	17350
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### Elisys Uno

#### 1-plate fully automated ELISA analyzer incl. UPS

- Fully automatic processing of one microtiter plate
- Up to 8 parameters simultaneously on one plate
- Time management system
- Most HUMAN assays preprogrammed (plug & run) and user programmable tests
- 8 filter wheel: 405, 450, 492, 630 nm installed
- Robust steel needle with liquid level detection



Elisys Uno

#### Accessories

REF	Description
17359/1C	AID predilution rack
17359/10	Blood bank rack
17359/1B	Combined dilution/reagent rack
17359/3	Reagent rack Dengue & H. Pylori
17359/4	Reagent rack HIV & Hepatitis
17359/5	Reagent rack hormone
17359/2	Reagent rack infectious diseases
17359/1	Reagent rack open design
17359/7	Sample rack 96 round sample ø 12 mm
17359/8	Sample rack 96 round sample ø 13 mm
17353/9	Bottle set (wash, waste, rinse)
17353/6	Rinse bottle 1 l with plain cap
17353/2	Rinse bottle 1 l with sensor cap
17353/3	Wash bottle 2 l with sensor cap
17353/7	Wash/waste bottle 2 l plain cap (1 pc)
17353/8	Wash/waste bottle 2 l plain cap (3 pcs)
17353/4	Waste bottle 2 l with sensor cap
18992P	PC with Windows®
17901M	TFT screen
18993L	Laser printer

#### Consumables

REF	Description
17350/B7	Reagent bottle 7 ml (100 pcs)
17350/13	Reagent bottle 15 ml (12 pcs)
17350/B25	Reagent bottle 25 ml (70 pcs)
17350/14	Reagent bottle 30 ml (12 pcs)
17350/B100	Reagent bottle 100 ml (10 pcs)
17350/16	Sample vials 2 ml (500 pcs)
17350/15	Sample vial caps (500 pcs)