

XEMA – a brief

The Xema Corporate Group started from a small contracted company in Moscow in 1993. At that time, we only had a few antigen products sold in Russia. Now, our group has established worldwide sister companies in Belorussia (Xemma Test Co., Ltd., est. 2003), Ukraine (Xema Co., Ltd., est. 2008), Finland (Xema Oy, est. 2011) and China (Hema Biotech Co., Ltd., est. 2011). Our products – antibodies, antigens, ELISA & LF test kits, and our biological services have been sold globally with annual sale of more than 8 million dollars in 2019.

In 2020, our company met a challenge of COVID-19 and launched a comprehensive set of reagents for diagnostics of SARS-Cov-2 infection:

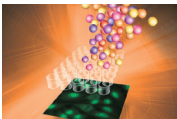
1. Detection of anti-SARS-Cov-2 antibodies:
 - SARS-Cov-2 IgG;
 - IgM and Total Ab ELISAs;
 - anti-SARS-Cov-2 Rapid test.
2. Detection of SARS-Cov-2 antigens:
 - CoviN Ag ELISA and Rapid test;
 - CoviSpike Ag ELISA.
3. Simultaneous detection of both SARS-Cov-2 antibodies and antigens:
 - CoviDuo ELISA;
 - Rapid test.
4. Control materials for SARS-Cov-2 immunoassays:
 - CoronaQon Ab Control;
 - CoronaQon Ag control.

Xema owns a large industrial hybridoma collection, animal facilities, protein purification and kit assembly units. We are able to provide key immunoassay reagents – monoclonal and polyclonal antibodies (incl. matched pairs), purified antigens (human, animal, food), and conjugates with HRPO, biotin or fluorescent dyes. We are also able to meet your requests of bulk orders with a capacity of over 20 000 ELISA kits and more than 1 g of single monoclonal antibody per month.

Our IVD kit development, production and sales has been certified to ISO 9001 since 2003 and ISO 13485 since 2009.

We are proud to maintain vigorous research work and be at the edge in the area of biochemistry and immunology being a member of scientific societies (ISOBM, ASCO, AACCC, AOAC).

Our product development is focused on the following topics:



1. Xema Clinical Diagnostics: tests for determination of tumor markers, hormones, infections, pre- and neonatal screening, allergy and food intolerance, humoral immunity, quality control sera for immunoassays, etc.



2. Xema Food & Environment Testing: tests to determine food constituents and food contaminants – antibiotics, fungi/fungal toxins. Special attention is paid to develop Halal check methods (detection of porcine meat, fat and blood, alcohol in food/beverages/cosmetics) for Muslim population. Our food allergy antibodies and kits targeted for most important food allergens, including peanuts and fish. Our home food test line also includes simple and accurate Aquascreen 5 (water quality test).



3. Xema Veterinary Diagnostics: immunoassays for hormones and infections for pets and cattle. Apart of laboratory tests, we offer simple pet animal urine tests for home use.



4. Xema Forensic Tests: rapid LF tests to detect traces of human sperm, blood and urine.

Dr. Yuri S. Lebedin
General Manager

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Kit format: 96-well microplate, breakable strips, all reagents are liquid and ready-to-use, dispensed in plastic vials with screw caps, chromogen – single component TMB.

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TUMOR MARKERS

REF K205 Human Chorionic Gonadotropin (HCG) EIA CE					
Sample type:	serum, plasma	Incubation:	60'/15'; 37 °C	Control sample:	1
Sample volume:	50 µl	Calibrators:	6 (0–500 IU/l)	Shelf life:	18 months
Sensitivity:	1.25 IU/l				
REF K221 Total Prostate Specific Antigen (tPSA) EIA					
Sample type:	serum, plasma	Incubation:	60'/15'; 37 °C	Control sample:	1
Sample volume:	50 µl	Calibrators:	5 (0–30 ng/ml)	Shelf life:	18 months
Sensitivity:	0.005 ng/ml				
REF X221 XEMAtest tPSA, 50 tests/pack					
Sample type:	serum, plasma	Incubation:	20', 18–25 °C	Control sample:	no
Sample volume:	30–40 µl	Calibrators:	no	Shelf life:	24 months
Sensitivity:	4.0 ng/ml				
REF K231 Free Prostate Specific Antigen (fPSA) EIA					
Sample type:	serum, plasma	Incubation:	30'/30'/15'; 37 °C	Control sample:	1
Sample volume:	50 µl	Calibrators:	5 (0–5 ng/ml)	Shelf life:	18 months
Sensitivity:	0.0035 ng/ml				
REF K222 CA125 EIA CE					
Sample type:	serum, plasma	Incubation:	60'/15'; 37 °C	Control sample:	1
Sample volume:	50 µl	Calibrators:	6 (0–400 U/ml)	Shelf life:	18 months
Sensitivity:	0.25 U/ml				
REF X222 XEMAtest CA 125, 10 tests/pack CE					
Sample type:	serum, plasma	Incubation:	10', 18–25 °C	Control sample:	no
Sample volume:	30–40 µl	Calibrators:	no	Shelf life:	24 months
Sensitivity:	35 U/ml				
REF K239 HE-4 EIA CE					
Sample type:	serum, plasma	Incubation:	60'/15'; 37 °C	Control sample:	1
Sample volume:	20 µl	Calibrators:	6 (0–1000 pmol/l)	Shelf life:	18 months
Sensitivity:	10 pmol/l				
REF K223 CA19-9 EIA CE					
Sample type:	serum, plasma	Incubation:	30'/30'/15'; 37 °C	Control sample:	1
Sample volume:	50 µl	Calibrators:	5 (0–240 U/ml)	Shelf life:	18 months
Sensitivity:	1.0 U/ml				

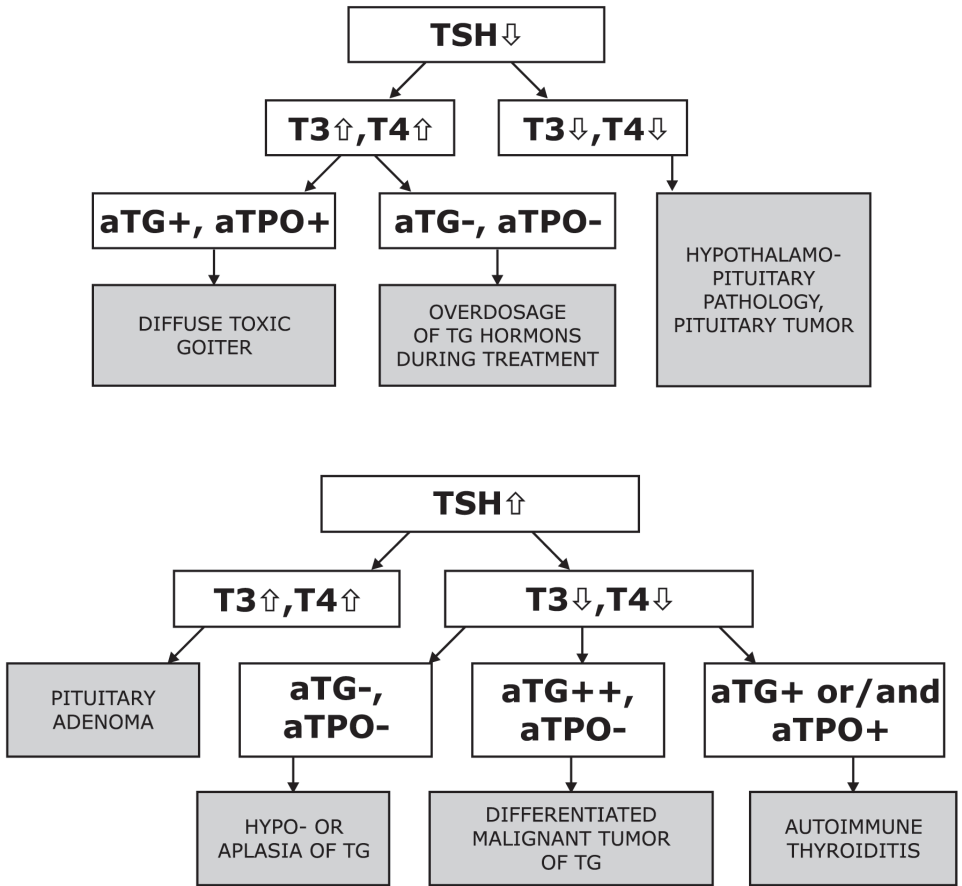
REF K224	Carcinoembryonic antigen (CEA) EIA				CE
Sample type:	serum, plasma	Incubation:	60'/15', 37 °C	Control sample:	1
Sample volume:	50 µl	Calibrators:	6 (0–64 ng/ml)	Shelf life:	18 months
Sensitivity:	0.5 ng/ml				
REF X224	XEMAtest CEA, 5 tests/pack				CE
Sample type:	Blood, serum, plasma	Incubation:	10', 18–25 °C	Control sample:	no
Sample volume:	30–40 µl	Calibrators:	no	Shelf life:	24 months
Sensitivity:	5 ng/ml				
REF K225	Alpha-Fetoprotein (AFP) EIA				CE
Sample type:	serum, plasma	Incubation:	60'/15', 37 °C	Control sample:	1
Sample volume:	50 µl	Calibrators:	6 (0–500 IU/ml)	Shelf life:	18 months
Sensitivity:	0.9 IU/ml				
REF X225	XEMAtest AFP, 5 tests/pack				CE
Sample type:	Blood, serum, plasma	Incubation:	10', 18–25 °C	Control sample:	no
Sample volume:	30–40 µl	Calibrators:	no	Shelf life:	24 months
Sensitivity:	10 ng/ml				
REF K232	Thyroglobulin (TG) EIA				CE
Sample type:	serum, plasma	Incubation:	60'/15', 37 °C	Control sample:	1
Sample volume:	50 µl	Calibrators:	5 (0–400 ng/ml)	Shelf life:	18 months
Sensitivity:	0.5 ng/ml				
Coming soon: S100 EIA					
REF K234	NSE EIA				CE
Sample type:	serum, plasma	Incubation:	30'/30'/15', 37 °C	Control sample:	1
Sample volume:	25 µl	Calibrators:	5 (0–100 µg/l)	Shelf life:	18 months
Sensitivity:	0.3 µg/l				
REF K236	CYFRA-21-1 EIA				CE
Sample type:	serum, plasma	Incubation:	60'/15', 37 °C	Control sample:	1
Sample volume:	50 µl	Calibrators:	5 (0–50 ng/ml)	Shelf life:	18 months
Sensitivity:	0.5 ng/ml				
REF K237	SSC(A) EIA				CE
Sample type:	serum, plasma	Incubation:	60'/15', 37 °C	Control sample:	1
Sample volume:	50 µl	Calibrators:	5 (0–60 µg/l)	Shelf life:	18 months
Sensitivity:	0.1 µg/l				
REF K243	CA 242 EIA				CE
Sample type:	serum, plasma	Incubation:	60'/15', 37 °C	Control sample:	1
Sample volume:	25 µl	Calibrators:	5 (0–200 U/ml)	Shelf life:	18 months
Sensitivity:	0.5 U/ml				
REF K244	CA 72-4 EIA				CE
Sample type:	serum, plasma	Incubation:	60'/15', 37 °C	Control sample:	1
Sample volume:	20 µl	Calibrators:	5 (0–200 U/ml)	Shelf life:	18 months
Sensitivity:	1.0 U/ml				

Mammary carcinoma monitoring (MUC1 determination)

REF					CE
K226	M12 (CA 15.3) EIA				
Sample type:	serum, plasma	Incubation:	30'/30'/15'; 18-25 °C, shaker	Calibrators:	5 (0-250 U/ml)
Sample volume:	50 µl			Control sample:	1
Sensitivity:	0.75 U/ml			Shelf life:	18 months
REF					CE
K227	M22 (analogous to MCA, Roche)				
Sample type:	serum, plasma	Incubation:	30'/30'/15'; 18-25 °C, shaker	Control sample:	1
Sample volume:	50 µl			Shelf life:	18 months
Sensitivity:	0.75 U/ml	Calibrators:	6 (0-100 U/ml)		
REF					CE
K228	M20 (analogous to BR 27.29, Biomira)				
Sample type:	serum, plasma	Incubation:	60'/15'; 37 °C	Control sample:	1
Sample volume:	50 µl	Calibrators:	6 (0-50 U/ml)	Shelf life:	18 months
Sensitivity:	0.5 U/ml				

THYROID GLAND: HORMONES AND DISEASE MARKERS

Diagnostic algorithm for thyroid pathology



REF	K201	Thyroid Stimulating Hormone (TSH) EIA, normal range			CE
Sample type:	serum, plasma	Incubation:	60'/15', 37 °C	Control sample:	1
Sample volume:	50 µl	Calibrators:	6 (0–20 mIU/l)	Shelf life:	18 months
Sensitivity:	0.04 mIU/l				
REF	K201A	Thyroid Stimulating Hormone EIA, expanded range (TSH-plus EIA)			CE
Sample type:	serum, plasma	Incubation:	60'/60'/15', 37 °C,	Control sample:	1
Sample volume:	200 µl	Calibrators:	shaker	Shelf life:	18 months
Sensitivity:	0.012 mIU/l		7 (0–20 mIU/l)		
REF	K201W	TSH EIA Wide range			New test! CE
Sample type:	serum, plasma	Incubation:	60'/15', 37 °C	Control sample:	1
Sample volume:	50 µl	Calibrators:	7 (0–40 mIU/l)	Shelf life:	18 months
Sensitivity:	0.04 mIU/l				
REF	K201N	TSH-Neo EIA/TRFIA			On request CE
REF	K211	Total T3 EIA			CE
Sample type:	serum, plasma	Incubation:	60'/15', 37 °C	Control sample:	1
Sample volume:	25 µl	Calibrators:	5 (0–15 nmol/l)	Shelf life:	18 months
Sensitivity:	0.2 nmol/l				
REF	K212	Total T4 EIA			CE
Sample type:	serum, plasma	Incubation:	60'/15', 37 °C	Control sample:	1
Sample volume:	25 µl	Calibrators:	5 (0–320 nmol/l)	Shelf life:	18 months
Sensitivity:	3.0 nmol/l				
REF	K213	Free T3 EIA			CE
Sample type:	serum, plasma	Incubation:	60'/15', 37 °C	Control sample:	1
Sample volume:	25 µl	Calibrators:	6 (0–40 pmol/l)	Shelf life:	18 months
Sensitivity:	0.5 pmol/l				
REF	K214	Free T4 EIA			CE
Sample type:	serum, plasma	Incubation:	60'/15', 37 °C	Control sample:	1
Sample volume:	25 µl	Calibrators:	6 (0–100 pmol/l)	Shelf life:	18 months
Sensitivity:	0.75 pmol/l				
REF	K131	Thyroperoxidase autoantibodies (anti-TPO) EIA			CE
Sample type:	serum, plasma	Sensitivity:	2.5 IU/ml	Control sample:	1
Sample predilution:	1:101	Incubation:	30'/30'/15', 37 °C	Shelf life:	18 months
Sample volume:	100 µl	Calibrators:	5 (0–1000 IU/ml)		
REF	K132	Thyroglobulin autoantibodies (anti-TG) EIA			CE
Sample type:	serum, plasma	Sensitivity:	5.0 IU/ml	Control sample:	1
Sample predilution:	1:101	Incubation:	30'/30'/15', 37 °C	Shelf life:	18 months
Sample volume:	100 µl	Calibrators:	5 (0–3000 IU/ml)		
REF	K232	Thyroglobulin (TG) EIA			CE
Sample type:	serum, plasma	Incubation:	60'/15', 37 °C	Control sample:	1
Sample volume:	50 µl	Calibrators:	5 (0–400 ng/ml)	Shelf life:	18 months
Sensitivity:	0.5 ng/ml				

REPRODUCTION AND PREGNANCY

REF	K202	Luteinizing hormone (LH) EIA				CE
Sample type:	serum, plasma	Incubation:	60'/15'; 37 °C	Control sample:	1	
Sample volume:	50 µl	Calibrators:	5 (0–100 IU/l)	Shelf life:	18 months	
Sensitivity:	0.15 IU/l					
REF	K203	Follicle Stimulating Hormone (FSH) EIA				CE
Sample type:	serum, plasma	Incubation:	60'/15'; 37 °C	Control sample:	1	
Sample volume:	50 µl	Calibrators:	5 (0–100 IU/l)	Shelf life:	18 months	
Sensitivity:	0.15 IU/l					
REF	K205	Human Chorionic Gonadotropin (HCG) EIA				CE
Sample type:	serum, plasma	Incubation:	60'/15'; 37 °C	Control sample:	1	
Sample volume:	50 µl	Calibrators:	6 (0–500 IU/l)	Shelf life:	18 months	
Sensitivity:	1.25 IU/l					
REF	K206	Prolactin EIA				CE
Sample type:	serum, plasma	Incubation:	60'/15'; 37 °C	Control sample:	1	
Sample volume:	50 µl	Calibrators:	5 (0–2000 mIU/l)	Shelf life:	18 months	
Sensitivity:	5.0 mIU/l					
REF	K207	Progesterone EIA				CE
Sample type:	serum, plasma	Incubation:	120'/15'; 37 °C	Control sample:	1	
Sample volume:	25 µl	Calibrators:	7 (0–300 nmol/l)	Shelf life:	18 months	
Sensitivity:	0.25 nmol/l					
REF	K208	Estradiol EIA				CE
Sample type:	serum, plasma	Incubation:	120'/15'; 37 °C	Control sample:	1	
Sample volume:	25 µl	Calibrators:	6 (0–20 nmol/l)	Shelf life:	18 months	
Sensitivity:	0.025 nmol/l					
REF	K209	Testosterone EIA				CE
Sample type:	serum, plasma	Incubation:	120'/15'; 37 °C	Control sample:	2	
Sample volume:	25 µl	Calibrators:	6 (0–100 nmol/l)	Shelf life:	18 months	
Sensitivity:	0.15 nmol/l					
REF	K268	SHBG EIA				CE
Sample type:	serum, plasma	Incubation:	30'/30'/15'; 37 °C	Control sample:	1	
Sample volume:	10 µl	Calibrators:	6 (0–360 nmol/l)	Shelf life:	18 months	
Sensitivity:	3.0 nmol/l					
REF	K216	Estrone (E1) EIA				CE
Sample type:	Serum, plasma	Sensitivity:	0.25 pmol/l	Calibrators:	6 (0–10 pmol/l)	
Sample volume:	50 µl	Incubation:	60'/15'; 37 °C	Shelf life:	18 months	

REF K219	Free Testosterone EIA			CE	
Sample type:	serum, plasma	Incubation:	120'/15'; 37°C	Control sample:	1
Sample volume:	25 µl	Calibrators:	6 (0-100 pg/ml)	Shelf life:	18 months
Sensitivity:	0.06 pg/ml				

REF K245	Anti-Mullerian Hormone EIA			<i>New test!</i> CE	
Sample type:	serum, plasma	Incubation:	60'/15'; 37°C	Control sample:	1
Sample volume:	20 µl	Calibrators:	5 (0-34 ng/ml)	Shelf life:	18 months
Sensitivity:	2.0 ng/ml				

REF K246	Human Placental Lactogen EIA			CE	
Sample type:	serum, plasma	Sensitivity:	0.03 mg/l	Control sample:	1
Sample predilution:	1:101	Incubation:	30'/15'; 37°C	Shelf life:	18 months
Sample volume:	10 µl	Calibrators:	5 (0-20 mg/l)		

Prenatal screening

REF K205	Human Chorionic Gonadotropin (HCG) EIA			CE	
Sample type:	serum, plasma	Incubation:	60'/15'; 37°C	Control sample:	1
Sample volume:	50 µl	Calibrators:	6 (0-500 IU/l)	Shelf life:	18 months
Sensitivity:	1.25 IU/l				

REF K225	Alpha-Fetoprotein (AFP) EIA			CE	
Sample type:	serum, plasma	Incubation:	60'/15'; 37°C	Control sample:	1
Sample volume:	50 µl	Calibrators:	6 (0-500 IU/ml)	Shelf life:	18 months
Sensitivity:	0.9 IU/ml				

REF K218	Free Estriol EIA			CE	
Sample type:	serum, plasma	Incubation:	120'/15'; 37°C	Control sample:	1
Sample volume:	25 µl	Calibrators:	6 (0-50 nmol/l)	Shelf life:	18 months
Sensitivity:	0.12 nmol/l				

REF K235	Free beta-HCG EIA			CE	
Sample type:	serum, plasma	Incubation:	30'/30'/15'; 37°C	Control sample:	1
Sample volume:	20 µl	Calibrators:	5 (0-250 ng/ml)	Shelf life:	18 months
Sensitivity:	1.0 ng/ml				

REF K238	PAPP-A EIA			CE	
Sample type:	serum, plasma	Incubation:	60'/15'; 37°C	Control sample:	1
Sample volume:	20 µl	Calibrators:	6 (0-10000 mU/l)	Shelf life:	18 months
Sensitivity:	10 mU/l				

REF W23 **Software for Calculation of Risk of Down Syndrome (CaRDS) during 1st and 2nd trimester of pregnancy.**

Neonatal screening

REF K201N **TSH-Neo EIA/TRFIA** *On request* CE

REF K242 **IRT-Neo EIA/TRFIA** *On request* CE

DIAGNOSTICS OF DIABETES

REF K267C C-peptide EIA

Sample type:	Serum, plasma, urine	Sensitivity:	0.015 ng/ml	Control sample:	1
Sample volume:	25 µl	Incubation:	60'/15', 18-25°C	Shelf life:	18 months
		Calibrators:	6 (0-20 ng/ml)		

REF K267N Insulin EIA

Sample type:	Serum, plasma, urine	Sensitivity:	0.5 µIU/ml	Control sample:	1
Sample volume:	25 µl	Incubation:	60'/15', 18-25°C	Shelf life:	18 months
		Calibrators:	5 (0-200 µIU/ml)		

Coming soon: K267P Proinsulin EIA

ADRENAL FUNCTION

REF K210 Cortisol EIA CE

Sample type:	serum, plasma	Incubation:	60'/15', 37°C	Control sample:	1
Sample volume:	25 µl	Calibrators:	6 (0-2000 nmol/l)	Shelf life:	18 months
Sensitivity:	6.0 nmol/l				

REF K215 DHEA-S EIA CE

Sample type:	serum, plasma	Incubation:	60'/15', 37°C	Control sample:	1
Sample volume:	25 µl	Calibrators:	6 (0-10 µg/ml)	Shelf life:	18 months
Sensitivity:	0.025 µg/ml				

REF K217 17-OH-Progesterone EIA CE

Sample type:	serum, plasma	Incubation:	90'/15', 37°C	Control sample:	1
Sample volume:	50 µl	Calibrators:	6 (0-100 nmol/l)	Shelf life:	18 months
Sensitivity:	0.12 nmol/l				

Coming soon: ACTH EIA

DIAGNOSTICS OF ANEMIA

Coming soon: R269 Erythropoetin EIA

BONE METABOLISM

REF K261 Calcitonin EIA **New test!**

Sample type:	serum, plasma	Incubation:	60'/15', 18-25°C, shaker	Control sample:	1
Sample volume:	25 µl	Calibrators:	5 (0-900 pg/ml)	Shelf life:	18 months
Sensitivity:	0.5 pg/ml				

REF K262 PTH EIA **New test!**

Sample type:	serum, plasma	Incubation:	60'/15', 18-25°C, shaker	Control sample:	1
Sample volume:	25 µl	Calibrators:	5 (0-70 pmol/l)	Shelf life:	18 months
Sensitivity:	0.4 pmol/l				

HORMONES IN SALIVA

REF K2075 Salivary Progesterone EIA CE

Sample type:	saliva	Incubation:	120'/15', 37 °C	Control sample:	1
Sample volume:	100 µl	Calibrators:	5 (0–5 nmol/l)	Shelf life:	18 months
Sensitivity:	0.07 nmol/l				

REF K2095 Salivary Testosterone EIA CE

Sample type:	saliva	Incubation:	120'/15', 37 °C	Control sample:	1
Sample volume:	100 µl	Calibrators:	6 (0–3 nmol/l)	Shelf life:	18 months
Sensitivity:	0.015 nmol/l				

REF K2105 Salivary Cortisol EIA CE

Sample type:	saliva	Incubation:	60'/15', 37 °C	Control sample:	2
Sample volume:	50 µl	Calibrators:	6 (0–45 ng/ml)	Shelf life:	18 months
Sensitivity:	0.035 ng/ml				

REF K2155 Salivary DHEA-S EIA CE

Sample type:	saliva	Incubation:	60'/15', 37 °C	Control sample:	1
Sample volume:	50 µl	Calibrators:	7(0–40 µg/dl)	Shelf life:	18 months
Sensitivity:	0.12 µg/dl				

OTHER HORMONES

REF K204 Human Growth (Somatotopic) Hormone EIA CE

Sample type:	serum, plasma	Incubation:	60'/15', 37 °C	Control sample:	1
Sample volume:	50 µl	Calibrators:	5 (0–50 mIU/l)	Shelf life:	18 months
Sensitivity:	0.12 mIU/l				

DIAGNOSTICS OF AUTOIMMUNE DISEASES

REF K131 Thyroperoxidase autoantibodies (anti-TPO) EIA CE

Sample type:	serum, plasma	Sensitivity:	2.5 IU/ml	Control sample:	1
Sample predilution:	1:101	Incubation:	30'/30'/15', 37 °C	Shelf life:	18 months
Sample volume:	100 µl	Calibrators:	5 (0–1000 IU/ml)		

REF K132 Thyroglobulin autoantibodies (anti-TG) EIA CE

Sample type:	serum, plasma	Sensitivity:	5.0 IU/ml	Control sample:	1
Sample predilution:	1:101	Incubation:	30'/30'/15', 37 °C	Shelf life:	18 months
Sample volume:	100 µl	Calibrators:	5 (0–3000 IU/ml)		

REF K133 Myeloperoxidase autoantibodies (anti-MPO, p-ANCA) EIA CE

Sample type:	serum, plasma	Sensitivity:	3 U/ml	Calibrators:	6 (0–100 U/ml)
Sample predilution:	1:101	Incubation:	30'/30'/15',	Control sample:	1
Sample volume:	100 µl		18–25 °C	Shelf life:	18 months

DIAGNOSTIC MARKERS OF HEART AND VESSEL DISEASES

REF K291	Troponin I (TnI)				
Sample type:	serum, plasma	Incubation:	60/15', 37 °C	Control sample:	1
Sample volume:	50 µl	Calibrators:	5 (0–10 ng/ml)	Shelf life:	18 months
Sensitivity:	0.01 ng/ml				

REF K250	CRP ultra EIA				
Sample type:	serum, plasma	Sensitivity:	0.05 mg/l	Control sample:	1
Sample predilution:	1:101	Incubation:	30'/30'/15', 37 °C	Shelf life:	18 months
Sample volume:	25 µl	Calibrators:	6 (0–25 mg/l)	Normal range, mg/l:	0–5.0

DIAGNOSTICS OF ALLERGY AND FOOD INTOLERANCE

REF K200	Total IgE EIA				
Sample type:	serum, plasma	Incubation:	30'/30'/15', 37 °C	Control sample:	1
Sample volume:	50 µl	Calibrators:	5 (0–1000 IU/ml)	Shelf life:	18 months
Sensitivity:	3.0 IU/ml			Normal range, IU/ml:	<130

REF K200S	Specific IgE EIA				
A solid-phase enzyme immunoassay for the quantitative determination of allergen-specific IgE in blood serum or plasma.					

Sample type:	serum, plasma	Incubation:	60'/60'/30'/15', 18–25 °C, shaking	Calibrators:	5 (0–17.5 IU/ml)
Sample volume:	50 µl			Control sample:	1
Sensitivity:	0.05 IU/ml			Shelf life:	18 months

REF K180	Gliadin IgG EIA				
REF K181	Gliadin IgA EIA				

Sample type:	serum, plasma	Sensitivity:	2.5 U/ml	Control sample:	1
Sample predilution:	1:101	Incubation:	30'/30'/15', 18–25 °C	Shelf life:	18 months
Sample volume:	100 µl	Calibrators:	5 (0–200 U/ml)	Normal range, U/ml:	<25

REF K182G	Anti-DGP IgG EIA				
REF K182A	Anti-DGP IgA EIA				

Sample type:	serum, plasma	Sensitivity:	2.5 U/ml	Control sample:	1
Sample predilution:	1:101	Incubation:	30'/30'/15', 37 °C	Shelf life:	18
Sample volume:	100 µl	Calibrators:	6 (0–100 U/ml)	Normal range	<10

REF K160	Anti-tTG IgG EIA				
REF K161	Anti-tTG IgA EIA				

Sample type:	serum, plasma	Sensitivity:	1.0 U/ml	Control sample:	1
Sample predilution:	1:101	Incubation:	30'/30'/15', 37 °C	Shelf life:	18 months
Sample volume:	100 µl	Calibrators:	6 (0–200 U/ml)	Normal range, U/ml:	<20 (IgA), < 25 (IgG)

INFECTIOUS SEROLOGY

Covid-19 Diagnostics

REF K153 SARS-Cov-2 Total Ab EIA New test!

Sample type:	serum, plasma	Incubation:	30'/30'/15'; 37 °C	Control sample:	3
Sample predilution:	1:101	Sample volume:	100 µl	Shelf life:	18 months

REF K153G SARS-Cov-2 IgG EIA New test!

Sample type:	serum, plasma	Incubation:	30'/30'/15'; 37 °C	Control sample:	3
Sample predilution:	1:101	Sample volume:	100 µl	Shelf life:	18 months

REF K153M SARS-Cov-2 IgM EIA New test!

Sample type:	serum, plasma	Incubation:	30'/30'/15'; 37 °C	Control sample:	3
Sample predilution:	1:101	Sample volume:	100 µl	Shelf life:	18 months

REF X153 XEMAtest anti-SARS-Cov-2 New test!

Sample type:	serum, plasma	Incubation:	15', 18-25°C	Shelf life:	24 months
Sample volume:	10 µl				

On request:

K053N CoviN Ag EIA New test!

X053N XEMAtest CoviN Ag New test!

K053S CoviSpike Ag EIA New test!

KX53N CoviDuo EIA New test!

XX53N XEMAtest CoviDuo New test!

QK153 CoronaQon Ab Control New test!

QK053 CoronaQon Ag Control New test!

REF K112 Anti-HIV I(0), II/p24 EIA

Sample type:	serum, plasma	Incubation:	30'/10'; 37 °C,	Control samples:	3
Sample volume:	70 µl		shaking/10' 37 °C	Shelf life:	18 months

REF X112S XEMAtest HIV I/II New test!

Sample type:	Saliva, serum, plasma	Incubation:	20', 18-25°C	Shelf life:	24 months
Sample volume:	30-40 µl				

REF K009 HBsAg EIA

Sample type:	serum, plasma	Incubation:	60'/20'; 37 °C,	Control samples:	3
Sample volume:	100 µl		shaking /20' 37°C	Shelf life:	18 months
Sensitivity:	0.01 IU/ml				

REF K009C HBsAg Confirmatory To be used with K009

REF K110 Anti-HCV EIA, 3rd generation

Sample type: Sample volume:	serum, plasma 40 µl	Incubation:	60'/30'/10', 37°C	Control samples: Shelf life:	2 18 months
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REF K110C Anti-HCV confirmatory EIA

Sample type: Sample volume:	serum, plasma 40 µl	Incubation:	60'/30'/10', 37°C	Control samples: Shelf life:	2 18 months
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REF K101 Toxoplasma IgG EIA

Sample type: Sample predilution: Sample volume:	serum, plasma 1:101 100 µl	Incubation: Calibrators: Control sample:	30'/30'/15', 37 °C 5 (0–200 IU/ml) 1	Shelf life:	18 months
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REF K101M Toxoplasma IgM EIA

Sample type: Sample volume:	serum, plasma 10 µl	Incubation:	30'/30'/15', 37°C, shaking	Shelf life: Control samples:	18 months 2
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REF K102 Rubella IgG EIA

Sample type: Sample predilution: Sample volume:	serum, plasma 1:101 100 µl	Incubation: Calibrators: Control sample:	30'/30'/15', 37 °C 5 (0–200 IU/ml) 1	Shelf life:	18 months
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REF K102M Rubella IgM EIA

Sample type: Sample volume:	serum, plasma 10 µl	Incubation:	30'/30'/15', 37°C, shaking	Shelf life: Control samples:	18 months 2
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REF K103 Cytomegalovirus IgG EIA

Sample type: Sample predilution: Sample volume:	serum, plasma 1:101 100 µl	Incubation: Calibrators: Control samples:	30'/30'/15', 37 °C 5 (0–6 U/ml) 1	Shelf life:	18 months
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REF K103M Cytomegalovirus IgM EIA

Sample type: Sample volume:	serum, plasma 10 µl	Incubation:	30'/30'/15', 37°C, shaking	Shelf life: Control samples:	18 months 2
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REF K104 HSV ½ IgG EIA (semi-quantitative)

Sample type: Sample predilution: Sample volume:	serum, plasma 1:101 100 µl	Incubation: Calibrator: Control samples:	30'/30'/15', 37 ° 1 2	Shelf life:	18 months
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REF K104M HSV ½ IgM EIA

Sample type: Sample volume:	serum, plasma 10 µl	Incubation:	30'/30'/15', 37°C, shaking	Shelf life: Control samples:	18 months 2
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REF K104B HSV2 IgG EIA (semi-quantitative)

Sample type: Sample volume:	serum, plasma 10 µl	Incubation: Control samples:	30'/30'/15', 37 °C 2	Shelf life:	18 months
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REF	K105	<i>Chlamydia</i> IgG EIA (semi-quantitative)			
Sample type:	serum, plasma	Incubation:	30'/30'/15'; 37 °C	Shelf life:	18 months
Sample volume:	20 µl	Calibrator:	1	Control samples:	2
REF	K105M	<i>Chlamydia</i> IgM EIA			
Sample type:	serum, plasma	Incubation:	30', 37°C/30'/15', 18-25 °C	Control samples:	2
Sample volume:	10 µl			Shelf life:	18 months
REF	K106	<i>Mycoplasma</i> IgG EIA (semi-quantitative)			
Sample type:	serum, plasma	Incubation:	30'/30'/15'; 18-25 °C	Shelf life:	18 months
Sample volume:	20 µl	Calibrator:	1	Control samples:	2
REF	K106M	<i>Mycoplasma</i> IgM EIA			
Sample type:	serum, plasma	Incubation:	30'/30'/15'; 37 °C	Control samples:	2
Sample volume:	10 µl			Shelf life:	18 months
REF	K111	<i>Treponema pallidum</i> Total Ab EIA			
Sample type:	serum, plasma	Incubation:	30'/15', 37 °C	Shelf life:	18 months
Sample volume:	10 µl	Control samples:	2		
REF	K111G	<i>Treponema pallidum</i> IgG EIA			
Sample type:	serum, plasma	Incubation:	30'/30'/15'; 37 °C	Shelf life:	18 months
Sample volume:	10 µl	Control samples:	2		
REF	K111M	<i>Treponema pallidum</i> IgM EIA			
Sample type:	serum, plasma	Incubation:	30'/30'/15'; 37 °C	Shelf life:	18 months
Sample volume:	10 µl	Control samples:	2		
REF	X111	XEMAtest Syphilis			New test!
Sample type:	serum, plasma	Incubation:	20', 18-25°C	Shelf life:	24 months
Sample volume:	30-40 µl				
REF	K119	<i>H. pylori</i> IgG EIA (semi-quantitative)			
Sample type:	serum, plasma	Incubation:	30'/30'/15'; 37 °C	Shelf life:	18 months
Sample volume:	10 µl	Control samples:	2		
REF	K119A	<i>H. pylori</i> IgA EIA			
Sample type:	serum, plasma	Incubation:	30'/30'/15'; 37 °C	Shelf life:	18 months
Sample volume:	10 µl	Control samples:	2		
REF	K119M	<i>H. pylori</i> IgM EIA (semi-quantitative)			
Sample type:	serum, plasma	Incubation:	30'/30'/15'; 37 °C	Shelf life:	18 months
Sample volume:	10 µl	Control samples:	2		
REF	K119S	<i>H. pylori</i> IgG, IgM, IgA EIA			New test!
Sample type:	serum, plasma	Incubation:	30'/30'/15'; 37 °C	Shelf life:	18 months
Sample volume:	10 µl	Control samples:	2		

REF K121 *Aspergillus* IgG EIA (semi-quantitative) CE

Sample type:	serum, plasma	Incubation:	30'/30'/15', 18-25 °C	Control samples:	2
Sample predilution:	1:21			Shelf life:	18 months
Sample volume:	100 µl	Calibrator:	1		

REF K021 *Aspergillus* GalM Ag EIA **New test!**

Intended use: Diagnostics of invasive aspergillosis in immunocompromised patients.

Sample type:	Serum, plasma, BAL fluid	Incubation:	90'/15'; 37°C	Control sample:	3
Sample volume:	50 µl			Shelf life:	18 months

REF X021 XEMAtest GalM Ag **New test!**

Sample type:	serum, plasma	Incubation:	15'; 18-25°C	Shelf life:	24 months
Sample volume:	10 µl				

REF K126 *Ureaplasma* IgG EIA (semi-quantitative) CE

Sample type:	serum, plasma	Incubation:	30'/30'/15'; 37 °C	Shelf life:	18 months
Sample volume:	20 µl	Control samples:	2		

REF K126M *Ureaplasma* IgM EIA **New test!** CE

Sample type:	serum, plasma	Incubation:	30'/30'/15'; 37 °C	Shelf life:	18 months
Sample volume:	20 µl	Control samples:	2		

REF K171 *Giardia lamblia* Total Ab EIA (semi-quantitative) CE

Sample type:	serum, plasma	Incubation:	30'/30'/15'; 37 °C	Shelf life:	18 months
Sample volume:	20 µl	Control samples:	2		

REF K171X anti-*Giardia lamblia* IgG, IgM, IgA EIA **New test!**

A solid-phase enzyme immunoassay for a qualitative determination of IgG or IgM or IgA antibodies to *Giardia lamblia* in serum or plasma

Sample type:	serum, plasma	Incubation:	30'/30'/15'; 37 °C	Shelf life:	18 months
Sample volume:	20 µl	Control samples:	2		

REF K174 *Nematoda* IgG EIA CE

Sample type:	serum, plasma	Sample volume:	100 µl	Control samples:	2
Sample predilution:	1:101	Incubation:	30'/30'/15'; 37°C	Shelf life:	18 months

REF K175 *Cestodes* IgG EIA CE

Sample type:	serum, plasma	Sample volume:	100 µl	Control samples:	2
Sample predilution:	1:101	Incubation:	30'/30'/15'; 37°C	Shelf life:	18 months

REF K176 *Trematodes* IgG EIA CE

Sample type:	serum, plasma	Sample volume:	100 µl	Control samples:	2
Sample predilution:	1:101	Incubation:	30'/30'/15'; 37°C	Shelf life:	18 months

HUMORAL IMMUNITY AND ACUTE PHASE PROTEINS

REF						CE
K271	Total IgG EIA					CE
Sample type:	Serum, plasma, urine, saliva, cerebrospinal fluid	Sensitivity:	0.06 g/l	Control sample:	1	
Sample predilution:	1:1–1:5000	Incubation:	30'/30'/15'; 37 °C	Shelf life:	18 months	
Sample volume:	10–100 µl	Calibrators:	5 (0–25 g/l)	Normal range, g/l:	9.0–20.0	
				– serum		
K275	Total IgA EIA					CE
Sample type:	Serum, plasma, urine, saliva, cerebrospinal fluid	Sensitivity:	0.06 g/l	Control sample:	1	
Sample predilution:	1:1–1:5000	Incubation:	30'/30'/15'; 37 °C	Shelf life:	18 months	
Sample volume:	10–100 µl	Calibrators:	5 (0–5 g/l)	Normal range, g/l:	0.9–5.0	
				– serum		
K277	Total IgM EIA					CE
Sample type:	Serum, plasma, urine, saliva, cerebrospinal fluid	Sensitivity:	0.06 g/l	Control sample:	1	
Sample predilution:	1:1–1:5000	Incubation:	30'/30'/15'; 37 °C	Shelf life:	18 months	
Sample volume:	10–100 µl	Calibrators:	5 (0–10 g/l)	Normal range, g/l:	0.7–3.7	
				– serum		
K276	Secretory IgA EIA (in saliva)					CE
Sample type:	Saliva, serum, urine etc.	Sensitivity:	0.6 µg/ml	Shelf life:	18 months	
Sample predilution:	1:51–1:501	Incubation:	90'/30'/15'; 37 °C	Normal range, g/l:	1.6–5.0	
Sample volume:	5–100 µl	Calibrators:	6 (0–400 µg/ml)	– serum	57–260	
		Control sample:	1	– saliva	0.5–2.7	
				– urine		
K272*	IgG2 EIA					CE
Sample type:	Serum	Sensitivity:	0.06 g/l	Control sample:	1	
Sample predilution:	1:5000	Incubation:	30'/30'/15'; 37 °C	Shelf life:	18 months	
Sample volume:	100 µl	Calibrators:	6 (0–15 g/l)	Normal range, g/l:	1.0–7.5	
K274*	IgG4 EIA					CE
Sample type:	Serum	Sensitivity:	0.02 g/l	Control sample:	1	
Sample predilution:	1:5000	Incubation:	30'/30'/15'; 37 °C	Shelf life:	18 months	
Sample volume:	100 µl	Calibrators:	5 (0–2.5 g/l)	Normal range, g/l:	0.1–1.2	

* – the kit is made to order

REF **K279L*****Ig L (free lambda light chains) EIA**

Sample type:	Serum, plasma, urine, cerebrospinal fluid	Sensitivity:	0.25 µg/ml	Control sample:	1
Sample predilution:	1:1–1:101	Incubation:	90'/60'/15', 37 °C	Shelf life:	18 months
Sample volume:	10–100 µl	Calibrators:	7 (0–30 µg/ml)	Normal range, µg/ml:	2–6

* – the kit is made to order

REF **K279K*****Ig K (free kappa light chains) EIA**

Sample type:	Serum, plasma, urine, cerebrospinal fluid	Sensitivity:	0.5 µg/ml	Control sample:	1
Sample predilution:	1:1–1:101	Incubation:	90'/60'/15', 37 °C	Shelf life:	18 months
Sample volume:	10–100 µl	Calibrators:	7 (0–50 µg/ml)	Normal range, µg/ml:	6–13

* – the kit is made to order

REF **K250****CRP ultra EIA**

Sample type:	serum, plasma	Sensitivity:	0.05 mg/l	Control sample:	1
Sample predilution:	1:101	Incubation:	30'/30'/15', 37 °C	Shelf life:	18 months
Sample volume:	25 µl	Calibrators:	6 (0–25 mg/l)	Normal range, mg/l:	0–5.0

REF **K470****Circulating Immune Complexes (turbidimetry)**

Sample type:	serum, plasma	Incubation:	120', 18–25 °C	Shelf life:	18 months
Sample volume:	20 µl				

QUALITY CONTROL SERA FOR IMMUNOASSAYS

REF KQ13

AutoQon Auto-Thyroid Control, 3 level



AutoQon controls are derived from autoimmune disease state plasmas.

A set of control preparations containing normal, moderately elevated and significantly elevated levels of autoantibodies to thyroid antigens (thyroglobulin, thyroperoxidase and TSH-receptor).

Presentation: lyophilized, 5 vials, 1 for each variant, 1.0 ml each

Shelf-life: 4 years

REF KQ21

HormoQon Control, 2 level



HormoQon controls are made from healthy donor sera with purified antigens added.

A set of control preparations containing 2 levels (normal and significantly elevated concentrations) of hormones.

Presentation: lyophilized, 2 level, 2 vials for each level, 2.0 ml each

Shelf-life: 4 years

REF KQ22

OmaQon Control, 2 level



OmaQon controls are made from healthy donor sera with purified antigens added.

A set of control preparations containing 2 levels (moderate and significantly elevated concentrations) of tumor markers.

Presentation: lyophilized, 2 level, 2 vials for each level, 2.0 ml each

Shelf-life: 4 years

REF KQ23

PrenaQon Control, 2 level

PrenaQon controls are made from healthy donor sera with purified antigens added.

A set of control preparations containing 2 levels (normal and pathological concentrations) of trisomy 21 (Down syndrome) markers: HCG, AFP, Estriol, free beta-HCG, PAPP-A.

Presentation: lyophilized, 2 level, 2 vials for each level, 1.0 ml each

Shelf-life: 4 years

On request:

KQ153 CoronaQon Ab Control

New test!

KQ053 CoronaQon Ag Control

New test!

REAGENTS FOR IMMUNOCHEMISTRY, IMMUNOHISTOCHEMISTRY AND FLOW CYTOMETRY*

Cat.No.	Product name	Intended use and comments
Primary Antibodies		
Monoclonal antibodies for immunohistochemistry/immunocytochemistry/flow cytometry, presented in stabilizing buffer and titered on standard sections. Shelf life – 18 months at +4 °C. Unit: 0.5 ml vial with concentrated antibody.		
AH200	mAb anti-IgE epsilon for IHC	Detection of IgE protein, mast cells in tissues and basophils by flow cytometry
AH221	mAb anti-PSA total for IHC	Detection of prostatic tumors
AH222	mAb anti-CA125 for IHC	Detection of ovarian and other adenocarcinomas
AH224	mAb anti-CEA for IHC	Detection of adenocarcinomas
AH225	mAb anti-AFP for IHC	Detection of primary hepatomas, embryonal cell tumors
AH226	mAb anti-MUC1 for IHC	Detection of mammary and other adenocarcinomas
Species specific detection kits for paraffin and cryostat sections		
The kits contain: ready to use Blocking solution for sections; Biotinylated anti-species antibodies; Streptavidin-HRPO conjugate; DAB substrate for 100 determinations; shelf life – 18 months at +4 °C		
KH301	Rabbit IHC detection set	Detection of rabbit antibodies in IHC preparations
KH302	Murine IHC detection set	Detection of murine monoclonal antibodies in IHC preparations
Auxillary reagents for IHC. Shelf life – at least, 2 years at 4 °C.		
S005X	PBS conc. for IHC	10x concentrate; pH=7.2; 120 ml
S006X	Citrate buffer conc. for IHC	10x concentrate; pH=6.0; 120 ml
S015X	TRIS buffer conc. for IHC	10x concentrate; pH=7.6; 120 ml
SH022	Tween-HCl for IHC	0.1M HCl; 0.1% Tween-20; 120 ml
SH025	Antibody dilution buffer for IHC	120 ml
SH301	Blocking solution for IHC (rabbit)	5 ml
SH302	Blocking solution for IHC (murine)	5 ml

* – the reagents are made to order.