

## Few words about XEMA

XEMA Co. Ltd. is a private company established 02/93 in Moscow.

We started our operations as the contract manufacturers of human antigens; now our company is among world leaders in production of tumor marker antigens and correspondent monoclonal antibodies. Our broad hybridoma collection enables us to manufacture large quantities of purified monoclonal antibodies for in vitro diagnostic use.

We are proud to maintain a high level of research work focused on several main research topics:

- biochemistry and immunology of human tumor markers (CEA, CA125, HE4, CA19-9, CA72-4, MUC1, cytokeratines etc);
- development of immunoassays for hormones, inflammation and tumor markers for pet and laboratory animals;
- immunochemistry of food antigens and food contaminants;
- development of immunoassays for evaluation of fungal contamination of foods and environment;

Since 1997, we have entered a very tough market of finished in vitro diagnostic reagents with the broad panel of EIA kits, including determination of hormones, tumor markers, prenatal and neonatal markers, thyroid autoimmunity markers and infection serology.

Besides, our company developed a number of kits for research use in medicine, eg Alveomucin EIA (diagnostics and monitoring of interstitial lung diseases), Tissue Transglutaminase EIA (investigation of tTG expression in celiac disease), etc.

Our product line is consistently growing – in 2013, we have launched 9 new tests.

Since 2003, our IVD kit development, production and sale is certified to ISO 9001, since 2009 – to ISO 13485. In 2003, we have set up a joint venture with our colleagues from Minsk, Belorussia to manufacture and sell our kits in this country. In October, 2004 we opened our subsidiary in St-Petersburg, Russia. In 2008 we also started our operations in Ukraine (XEMA Co. Ltd.), in 2011 established two sister companies – XEMA Biotech Beijing Co Ltd in China and XEMA OY in Finland, and in 2013 registered our company in Malaysia – XEMA Malaysia Sdn Bhd.

Since 1999, XEMA offers IVD kits and their components for Russian and international markets. We export our production to C.I.S. countries, Germany, Italy, Belgium, Finland, China, Israel, Turkey, India, Iran, Malaysia, Indonesia. Our annual sales in 2012 reached ca 7M USD.

Dr. Yuri S. Lebedin,  
General Manager, XEMA Group of companies



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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, shelf life – 12 months.

### **Our legal address:**

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## TUMOR MARKERS

### REF K205 Human Chorionic Gonadotropin (HCG) EIA CE

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	60'/15'; 37 °C	<b>Control sample:</b>	1
<b>Sample volume:</b>	50 µl	<b>Calibrators:</b>	6 (0–500 IU/l)	<b>Shelf life:</b>	12 months
<b>Sensitivity:</b>	2.5 IU/l				

### REF K221 Total Prostate Specific Antigen (tPSA) EIA

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	60'/15'; 37 °C	<b>Control sample:</b>	1
<b>Sample volume:</b>	50 µl	<b>Calibrators:</b>	5 (0–30 ng/ml)	<b>Shelf life:</b>	12 months
<b>Sensitivity:</b>	0.1 ng/ml				

### REF X221 XEMAtest tPSA, 50 tests/pack New test!

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	10', +18...+25 °C	<b>Control sample:</b>	no
<b>Sample volume:</b>	30–40 µl	<b>Calibrators:</b>	no	<b>Shelf life:</b>	24 months
<b>Sensitivity:</b>	4,0 ng/ml				

### REF K231 Free Prostate Specific Antigen (fPSA) EIA

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	30'/30'/15'; 37 °C	<b>Control sample:</b>	1
<b>Sample volume:</b>	50 µl	<b>Calibrators:</b>	5 (0–5 ng/ml)	<b>Shelf life:</b>	12 months
<b>Sensitivity:</b>	0.07 ng/ml				

### REF K222 CA125 EIA CE

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	60'/15'; 37 °C	<b>Control sample:</b>	1
<b>Sample volume:</b>	50 µl	<b>Calibrators:</b>	6 (0–400 U/ml)	<b>Shelf life:</b>	12 months
<b>Sensitivity:</b>	0.5 U/ml				

### REF X222 XEMAtest CA 125, 10 tests/pack New test! CE

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	10', +18...+25 °C	<b>Control sample:</b>	no
<b>Sample volume:</b>	30–40 µl	<b>Calibrators:</b>	no	<b>Shelf life:</b>	24 months
<b>Sensitivity:</b>	35 U/ml				

### REF K239 HE-4 EIA New test! CE

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	60'/15'; 37 °C	<b>Control sample:</b>	2
<b>Sample volume:</b>	20 µl	<b>Calibrators:</b>	6 (0–1000 pmol/l)	<b>Shelf life:</b>	12 months
<b>Sensitivity:</b>	10 pmol/l				

### REF X239 XEMAtest HE4, 5 tests/pack New test! CE

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	10', +18...+25 °C	<b>Control sample:</b>	no
<b>Sample volume:</b>	30–40 µl	<b>Calibrators:</b>	no	<b>Shelf life:</b>	24 months
<b>Sensitivity:</b>	150 pmol/l				

### REF X220V XEMAtest OvaScreen, 5 tests/pack New test! CE

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	10', +18...+25 °C	<b>Control sample:</b>	no
<b>Sample volume:</b>	30–40 µl	<b>Calibrators:</b>	no	<b>Shelf life:</b>	24 months
<b>Sensitivity: CA125</b>	35 U/ml				
<b>HE4</b>	150 pmol/l				

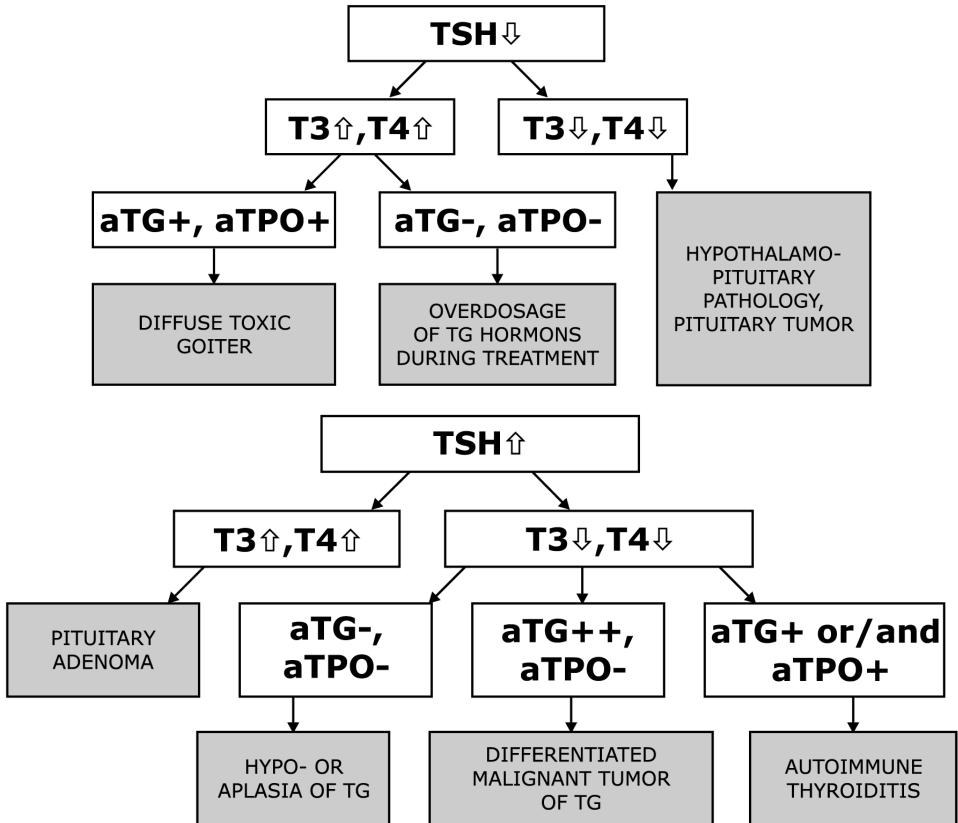
<b>REF</b> K223	<b>CA19-9 EIA</b>			<b>CE</b>	
<b>Sample type:</b> <b>Sample volume:</b> <b>Sensitivity:</b>	serum, plasma 50 µl 2.0 U/ml	<b>Incubation:</b> <b>Calibrators:</b>	30°/30°/15', 37 °C 5 (0–240 U/ml)	<b>Control sample:</b> <b>Shelf life:</b>	1 12 months
<b>REF</b> K224	<b>Carcinoembryonic antigen (CEA) EIA</b>			<b>CE</b>	
<b>Sample type:</b> <b>Sample volume:</b> <b>Sensitivity:</b>	serum, plasma 50 µl 1.0 ng/ml	<b>Incubation:</b> <b>Calibrators:</b>	60°/15', 37 °C 6 (0–64 ng/ml)	<b>Control sample:</b> <b>Shelf life:</b>	1 12 months
<b>REF</b> K225	<b>Alpha-Fetoprotein (AFP) EIA</b>			<b>CE</b>	
<b>Sample type:</b> <b>Sample volume:</b> <b>Sensitivity:</b>	serum, plasma 50 µl 2.0 U/ml	<b>Incubation:</b> <b>Calibrators:</b>	60°/15', 37 °C 6 (0–500 U/ml)	<b>Control sample:</b> <b>Shelf life:</b>	1 12 months
<b>REF</b> K232	<b>Thyroglobulin (TG) EIA</b>			<b>CE</b>	
<b>Sample type:</b> <b>Sample volume:</b> <b>Sensitivity:</b>	serum, plasma 50 µl 1.0 ng/ml	<b>Incubation:</b> <b>Calibrators:</b>	60°/15', 37 °C 5 (0–400 ng/ml)	<b>Control sample:</b> <b>Shelf life:</b>	1 12 months
<b>REF</b> K234	<b>NSE EIA</b> <i>New test!</i>			<b>CE</b>	
<b>Sample type:</b> <b>Sample volume:</b> <b>Sensitivity:</b>	serum, plasma 25 µl 0.6 µg/l	<b>Incubation:</b> <b>Calibrators:</b>	30°/30°/15', 37 °C 5 (0–150 µg/l)	<b>Control sample:</b> <b>Shelf life:</b>	1 12 months
<b>REF</b> K236	<b>CYFRA-21-1 EIA</b>			<b>CE</b>	
<b>Sample type:</b> <b>Sample volume:</b> <b>Sensitivity:</b>	serum, plasma 50 µl 1.0 ng/ml	<b>Incubation:</b> <b>Calibrators:</b>	60°/15', 37 °C 5 (0–50 нг/мл)	<b>Control sample:</b> <b>Shelf life:</b>	1 12 months
<b>REF</b> K244	<b>CA 72-4 EIA</b>			<b>CE</b>	
<b>Sample type:</b> <b>Sample volume:</b> <b>Sensitivity:</b>	serum, plasma 10 µl 2.0 U/ml	<b>Incubation:</b> <b>Calibrators:</b>	120°/60°/15', 37 °C 5 (0–200 U/ml)	<b>Control sample:</b> <b>Shelf life:</b>	1 12 months

## Mammary carcinoma monitoring (MUC1 determination)

<b>REF</b> K226	<b>M12 (CA 15.3) EIA</b>			<b>CE</b>	
<b>Sample type:</b> <b>Sample volume:</b> <b>Sensitivity:</b>	serum, plasma 50 µl 1.5 U/ml	<b>Incubation:</b> <b>Calibrators:</b>	30°/30°/15', RT, shaker 5 (0–250 U/ml)	<b>Control sample:</b> <b>Shelf life:</b>	1 12 months
<b>REF</b> K227	<b>M22 (analogous to MCA, Roche)</b>			<b>CE</b>	
<b>Sample type:</b> <b>Sample volume:</b> <b>Sensitivity:</b>	serum, plasma 50 µl 1.5 U/ml	<b>Incubation:</b> <b>Calibrators:</b>	30°/30°/15', RT, shaker 6 (0–100 U/ml)	<b>Control sample:</b> <b>Shelf life:</b>	1 12 months
<b>REF</b> K228	<b>M20 (analogous to BR 27.29, Biomira)</b>			<b>CE</b>	
<b>Sample type:</b> <b>Sample volume:</b> <b>Sensitivity:</b>	serum, plasma 50 µl 1.0 U/ml	<b>Incubation:</b> <b>Calibrators:</b>	60°/15', 37 °C 6 (0–50 U/ml)	<b>Control sample:</b> <b>Shelf life:</b>	1 12 months

# THYROID GLAND: HORMONES AND DISEASE MARKERS

## Diagnostic algorithm for thyroid pathology



<b>REF K201</b>		<b>Thyroid Stimulating Hormone (TSH) EIA, normal range</b>			CE	
<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	60°/15'; 37 °C	<b>Control sample:</b>	1	
<b>Sample volume:</b>	50 µl	<b>Calibrators:</b>	6 (0–20 mIU/l)	<b>Shelf life:</b>	12 months	
<b>Sensitivity:</b>	0.08 mIU/l					
<b>REF K201A</b>		<b>Thyroid Stimulating Hormone EIA, expanded range (TSH-plus EIA)</b>			CE	
<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	60°/60°/15'; 37 °C	<b>Control sample:</b>	2	
<b>Sample volume:</b>	100 µl	<b>Calibrators:</b>	7 (0–50 mIU/l)	<b>Shelf life:</b>	12 months	
<b>Sensitivity:</b>	0.025 mIU/l					
<b>REF K201N</b>		<b>TSH-Neo EIA</b>			CE	
<b>Sample type:</b>	Dried blood spots	<b>Incubation:</b>	12–18 hr/60°/15'; RT, shaker	<b>Calibrators:</b>	6 (0–250 µIU/ml)	
<b>Sensitivity:</b>	3.0 µIU /ml	<b>Shelf life:</b>			12 months	
<b>REF K211</b>		<b>Total T3 EIA</b>			CE	
<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	30°/15'; 37 °C	<b>Control sample:</b>	1	
<b>Sample volume:</b>	50 µl	<b>Calibrators:</b>	5 (0–15 nmol/l)	<b>Shelf life:</b>	12 months	
<b>Sensitivity:</b>	0.4 nmol/l					
<b>REF K212</b>		<b>Total T4 EIA</b>			CE	
<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	60°/15'; 37 °C	<b>Control sample:</b>	1	
<b>Sample volume:</b>	25 µl	<b>Calibrators:</b>	5 (0–320 nmol/l)	<b>Shelf life:</b>	12 months	
<b>Sensitivity:</b>	6 nmol/l					
<b>REF K213</b>		<b>Free T3 EIA</b>			CE	
<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	60°/15'; 37 °C	<b>Control sample:</b>	1	
<b>Sample volume:</b>	50 µl	<b>Calibrators:</b>	6 (0–40 pmol/l)	<b>Shelf life:</b>	12 months	
<b>Sensitivity:</b>	1 pmol/l					
<b>REF K214</b>		<b>Free T4 EIA</b>			CE	
<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	60°/15'; 37 °C	<b>Control sample:</b>	1	
<b>Sample volume:</b>	25 µl	<b>Calibrators:</b>	6 (0–100 pmol/l)	<b>Shelf life:</b>	12 months	
<b>Sensitivity:</b>	1.5 pmol/l					
<b>REF K131</b>		<b>Thyroxinase autoantibodies (anti-TPO) EIA</b>			CE	
<b>Sample type:</b>	serum, plasma	<b>Sensitivity:</b>	5 IU/ml	<b>Control sample:</b>	1	
<b>Sample predilution:</b>	1:101	<b>Incubation:</b>	30°/30°/15'; RT	<b>Shelf life:</b>	12 months	
<b>Sample volume:</b>	100 µl	<b>Calibrators:</b>	5 (0–1000 IU/ml)			
<b>REF K132</b>		<b>Thyroglobulin autoantibodies (anti-TG) EIA</b>			CE	
<b>Sample type:</b>	serum, plasma	<b>Sensitivity:</b>	10 IU/ml	<b>Control sample:</b>	1	
<b>Sample predilution:</b>	1:101	<b>Incubation:</b>	30°/30°/15'; RT	<b>Shelf life:</b>	12 months	
<b>Sample volume:</b>	100 µl	<b>Calibrators:</b>	5 (0–3000 IU/ml)			
<b>REF K232</b>		<b>Thyroglobulin (TG) EIA</b>			CE	
<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	60°/15'; 37 °C	<b>Control sample:</b>	1	
<b>Sample volume:</b>	50 µl	<b>Calibrators:</b>	5 (0–400 ng/ml)	<b>Shelf life:</b>	12 months	
<b>Sensitivity:</b>	1.0 ng/ml					

## REPRODUCTION AND PREGNANCY

### REF K202 Luteinizing hormone (LH) EIA CE

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	60'/15', 37 °C	<b>Control sample:</b>	1
<b>Sample volume:</b>	50 µl	<b>Calibrators:</b>	5 (0–100 IU/l)	<b>Shelf life:</b>	24 months
<b>Sensitivity:</b>	0.3 IU/l				

### REF K203 Follicle Stimulating Hormone (FSH) EIA CE

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	60'/15', 37 °C	<b>Control sample:</b>	1
<b>Sample volume:</b>	50 µl	<b>Calibrators:</b>	5 (0–100 IU/l)	<b>Shelf life:</b>	24 months
<b>Sensitivity:</b>	0.3 IU/l				

### REF K205 Human Chorionic Gonadotropin (HCG) EIA CE

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	60'/15', 37 °C	<b>Control sample:</b>	1
<b>Sample volume:</b>	50 µl	<b>Calibrators:</b>	6 (0–500 IU/l)	<b>Shelf life:</b>	12 months
<b>Sensitivity:</b>	2.5 IU/l				

### REF K206 Prolactin EIA CE

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	60'/15', 37 °C	<b>Control sample:</b>	1
<b>Sample volume:</b>	50 µl	<b>Calibrators:</b>	5 (0–2000 mIU/l)	<b>Shelf life:</b>	12 months
<b>Sensitivity:</b>	10 mIU/l				

### REF K207 Progesterone EIA CE

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	120'/15', 37 °C	<b>Control sample:</b>	1
<b>Sample volume:</b>	25 µl	<b>Calibrators:</b>	7 (0–300 nmol/l)	<b>Shelf life:</b>	12 months
<b>Sensitivity:</b>	0.5 nmol/l				

### REF K208 Estradiol EIA CE

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	120'/15', 37 °C	<b>Control sample:</b>	1
<b>Sample volume:</b>	25 µl	<b>Calibrators:</b>	6 (0–20 nmol/l)	<b>Shelf life:</b>	12 months
<b>Sensitivity:</b>	0.05 nmol/l				

### REF K209 Testosterone EIA CE

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	120'/15', 37 °C	<b>Control sample:</b>	2
<b>Sample volume:</b>	25 µl	<b>Calibrators:</b>	6 (0–100 nmol/l)	<b>Shelf life:</b>	12 months
<b>Sensitivity:</b>	0.3 nmol/l				

### REF K215 DHEA-S EIA CE

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	60'/15', 37 °C	<b>Control sample:</b>	1
<b>Sample volume:</b>	25 µl	<b>Calibrators:</b>	6 (0–10 µg/ml)	<b>Shelf life:</b>	12 months
<b>Sensitivity:</b>	0.05 µg/ml				

### REF K217 17-OH-Progesterone EIA CE

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	90'/15', 37 °C	<b>Control sample:</b>	1
<b>Sample volume:</b>	50 µl	<b>Calibrators:</b>	6 (0–100 nmol/l)	<b>Shelf life:</b>	12 months
<b>Sensitivity:</b>	0.25 nmol/l				

## Prenatal screening



**REF K205 Human Chorionic Gonadotropin (HCG) EIA**

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	60°/15', 37 °C	<b>Control sample:</b>	1
<b>Sample volume:</b>	50 µl	<b>Calibrators:</b>	6 (0–500 IU/l)	<b>Shelf life:</b>	12 months
<b>Sensitivity:</b>	2.5 IU/l				



**REF K225 Alpha-Fetoprotein (AFP) EIA**

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	60°/15', 37 °C	<b>Control sample:</b>	1
<b>Sample volume:</b>	50 µl	<b>Calibrators:</b>	6 (0–500 U/ml)	<b>Shelf life:</b>	12 months
<b>Sensitivity:</b>	2.0 U/ml				



**REF K218 Free Estriol EIA**

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	120°/15', 37 °C	<b>Control sample:</b>	1
<b>Sample volume:</b>	25 µl	<b>Calibrators:</b>	6 (0–50 nmol/l)	<b>Shelf life:</b>	12 months
<b>Sensitivity:</b>	0.25 nmol/l				



**REF K235 Free beta-HCG EIA**

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	30°/30'/15', 37 °C	<b>Control sample:</b>	1
<b>Sample volume:</b>	20 µl	<b>Calibrators:</b>	5 (0–250 ng/ml)	<b>Shelf life:</b>	12 months
<b>Sensitivity:</b>	2.0 ng/ml				



**REF K238 PAPP-A EIA**

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	60°/15', 37 °C	<b>Control sample:</b>	1
<b>Sample volume:</b>	10 µl	<b>Calibrators:</b>	6 (0–10000 mU/l)	<b>Shelf life:</b>	12 months
<b>Sensitivity:</b>	20 mU/l				

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

## Neonatal screening



**REF K201N TSH-Neo EIA**

<b>Sample type:</b>	Dried blood spots	<b>Incubation:</b>	12–18 hr/60°/15', RT, shaker	<b>Calibrators:</b>	6 (0–250 µIU/ml)
<b>Sensitivity:</b>	3.0 µIU /ml			<b>Shelf life:</b>	12 months

**REF K242 IRT-Neo EIA**

**New test!**

<b>Sample type:</b>	Dried blood spots	<b>Incubation:</b>	16–24 hr/15°/15', 18–25 °C	<b>Shelf life:</b>	12 months
<b>Sensitivity:</b>	2 ng/ml	<b>Calibrators:</b>	6 (0–300 ng/ml)		



## HORMONES IN SALIVA

### REF K2075 Salivary Progesterone EIA CE

<b>Sample type:</b>	saliva	<b>Incubation:</b>	60'/15', 37 °C	<b>Control sample:</b>	1
<b>Sample volume:</b>	100 µl	<b>Calibrators:</b>	6 (0–5 nmol/l)	<b>Shelf life:</b>	12 months
<b>Sensitivity:</b>	0,02 nmol/l				

### REF K2095 Salivary Testosterone EIA CE

<b>Sample type:</b>	saliva	<b>Incubation:</b>	20'/120'/15', 37 °C	<b>Control sample:</b>	2
<b>Sample volume:</b>	100 µl	<b>Calibrators:</b>	7 (0–10 nmol/l)	<b>Shelf life:</b>	12 months
<b>Sensitivity:</b>	0,015 nmol/l				

### REF K2105 Salivary Cortisol EIA CE

<b>Sample type:</b>	saliva	<b>Incubation:</b>	60'/15', 37 °C	<b>Control sample:</b>	2
<b>Sample volume:</b>	50 µl	<b>Calibrators:</b>	6 (0–45 ng/ml)	<b>Shelf life:</b>	12 months
<b>Sensitivity:</b>	0.3 ng/ml				

## OTHER HORMONES

### REF K204 Human Growth (Somatotropic) Hormone EIA CE

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	60'/15', 37 °C	<b>Control sample:</b>	1
<b>Sample volume:</b>	50 µl	<b>Calibrators:</b>	5 (0–50 mIU/l)	<b>Shelf life:</b>	12 months
<b>Sensitivity:</b>	0.25 mIU/l				

### REF K210 Cortisol EIA CE

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	60'/15', 37 °C	<b>Control sample:</b>	1
<b>Sample volume:</b>	25 µl	<b>Calibrators:</b>	6 (0–2000 nmol/l)	<b>Shelf life:</b>	12 months
<b>Sensitivity:</b>	12 nmol/l				

## DIAGNOSTICS OF AUTOIMMUNE DISEASES

### REF K131 Thyroperoxidase autoantibodies (anti-TPO) EIA CE

<b>Sample type:</b>	serum, plasma	<b>Sensitivity:</b>	5 IU/ml	<b>Control sample:</b>	1
<b>Sample predilution:</b>	1:101	<b>Incubation:</b>	30'/30'/15', RT	<b>Shelf life:</b>	12 months
<b>Sample volume:</b>	100 µl	<b>Calibrators:</b>	5 (0–1000 IU/ml)		

### REF K132 Thyroglobulin autoantibodies (anti-TG) EIA CE

<b>Sample type:</b>	serum, plasma	<b>Sensitivity:</b>	10 IU/ml	<b>Control sample:</b>	1
<b>Sample predilution:</b>	1:101	<b>Incubation:</b>	30'/30'/15', RT	<b>Shelf life:</b>	12 months
<b>Sample volume:</b>	100 µl	<b>Calibrators:</b>	5 (0–3000 IU/ml)		

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

<b>Sample type:</b>	serum, plasma	<b>Sensitivity:</b>	3 U/ml	<b>Control sample:</b>	1
<b>Sample predilution:</b>	1:101	<b>Incubation:</b>	30'/30'/15', RT	<b>Shelf life:</b>	12 months
<b>Sample volume:</b>	100 µl	<b>Calibrators:</b>	6 (0–100 U/ml)		

## DIAGNOSTICS OF INTERSTITIAL LUNG DISEASES (alveolitis)

<b>REF</b> K240	<b>Alveomucin</b>			CE	
<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	30'/30'/15'; RT, shaking	<b>Control sample:</b>	1
<b>Sample volume:</b>	50 µl	<b>Calibrators:</b>	5 (0–200 U/ml)	<b>Shelf life:</b>	12 months
<b>Sensitivity:</b>	20 U/ml				

## DIAGNOSTIC MARKERS OF HEART AND VESSEL DISEASES

<b>REF</b> K291	<b>Troponin I (Tnl)</b>			CE	
<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	60'/15'; 37 °C	<b>Control sample:</b>	1
<b>Sample volume:</b>	50 µl	<b>Calibrators:</b>	5 (0–10 ng/ml)	<b>Shelf life:</b>	12 months
<b>Sensitivity:</b>	0.25 ng/ml				

<b>REF</b> K250	<b>CRP ultra EIA</b>			CE	
<b>Sample type:</b>	serum, plasma	<b>Sensitivity:</b>	0.05 mg/l	<b>Control sample:</b>	1
<b>Sample predilution:</b>	1:101	<b>Incubation:</b>	30'/30'/15'; 37 °C	<b>Shelf life:</b>	12 months
<b>Sample volume:</b>	25 µl	<b>Calibrators:</b>	6 (0–25 mg/l)	<b>Normal range, mg/l:</b>	0–5.0

## DIAGNOSTICS OF ALLERGY AND FOOD INTOLERANCE

<b>REF</b> K200	<b>Total IgE EIA</b>			CE	
<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	30'/30'/15'; 37 °C	<b>Control sample:</b>	1
<b>Sample volume:</b>	50 µl	<b>Calibrators:</b>	5 (0–1000 IU/ml)	<b>Shelf life:</b>	12 months
<b>Sensitivity:</b>	6 IU/ml			<b>Normal range, IU/ml:</b>	<130

<b>REF</b> K200S	<b>Specific IgE EIA</b>			CE	
A solid-phase enzyme immunoassay for the quantitative determination of allergen-specific IgE in blood serum or plasma.					
<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	60'/60'/30'/15'; RT, shaking	<b>Control sample:</b>	1
<b>Sample volume:</b>	50 µl	<b>Calibrators:</b>	5 (0–17.5 IU/ml)	<b>Shelf life:</b>	12 months
<b>Sensitivity:</b>	0.1 IU/ml				

<b>REF</b> K180	<b>Gliadin IgG EIA</b>			CE	
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<b>REF</b> K181	<b>Gliadin IgA EIA</b>			CE	
<b>Sample type:</b>	serum, plasma	<b>Sensitivity:</b>	5 U/ml	<b>Control sample:</b>	1
<b>Sample predilution:</b>	1:101	<b>Incubation:</b>	30'/30'/15'; RT	<b>Shelf life:</b>	24 months
<b>Sample volume:</b>	100 µl	<b>Calibrators:</b>	5 (0–200 U/ml)	<b>Normal range, U/ml:</b>	<25

<b>REF</b> K182G	<b>Deamidated Gliadin IgG EIA</b>			CE	
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<b>REF</b> K182A	<b>Deamidated Gliadin IgA EIA</b>			CE	
<b>Sample type:</b>	serum, plasma	<b>Sensitivity:</b>	5 U/ml	<b>Control sample:</b>	1
<b>Sample predilution:</b>	1:101	<b>Incubation:</b>	30'/30'/15'; 37 °C	<b>Shelf life:</b>	12 months
<b>Sample volume:</b>	100 µl	<b>Calibrators:</b>	6 (0–100 U/ml)		

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

<b>Sample type:</b>	serum, plasma	<b>Sensitivity:</b>	2 U/ml	<b>Control sample:</b>	1
<b>Sample predilution:</b>	1:101	<b>Incubation:</b>	30'/30'/15', 37 °C	<b>Shelf life:</b>	12 months
<b>Sample volume:</b>	100 µl	<b>Calibrators:</b>	6 (0–200 U/ml)	<b>Normal range, U/ml:</b>	<20 (IgA), < 25 (IgG)

**REF K260 Tissue Transglutaminase EIA**

Celiac disease (CD) or gluten-sensitive enteropathy is a chronic disease characterized by impaired intestinal absorption due to mucosal lesions. The exact etiology of CD is unknown but it is clearly shown that gliadin – the alcohol soluble fraction of wheat gluten – is the toxic agent. Gliadin serves as a substrate for tissue Transglutaminase (tTG) – a calcium-dependent enzyme which is a constituent of the intestine mucosa. Gliadin-tTG complex antigen induces formation of IgA- and – later on – IgG-autoantibodies in patients with acute CD.

Investigation of tTG expression may be helpful in celiac disease research.

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	30'/30'/30'/15', 37 °C	<b>Control sample:</b>	1
<b>Sample volume:</b>	100 µl	<b>Calibrators:</b>	4 (0–500 µg/ml)	<b>Shelf life:</b>	12 months
<b>Sensitivity:</b>	2 µg/ml				

## INFECTIOUS SEROLOGY

**REF K112 Anti-HIV I(0), II/p24 EIA**
*New test!*

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	30', 37 °C /10', RT, shaking/10' 37 °C	<b>Control samples:</b>	3
<b>Sample volume:</b>	70 µl			<b>Shelf life:</b>	12 months

**REF K009 HBsAg EIA**
*Coming soon!*
**REF K110 Anti-HCV EIA, 3<sup>rd</sup> generation**
*Coming soon!*
**REF K101 Toxoplasma IgG EIA**

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	30'/30'/15', 37 °C	<b>Shelf life:</b>	12 months
<b>Sample predilution:</b>	1:101	<b>Calibrators:</b>	5 (0–200 IU/ml)		
<b>Sample volume:</b>	100 µl	<b>Control sample:</b>	1		

**REF K101M Toxoplasma IgM EIA**

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	60'/30'/15', 37 °C	<b>Shelf life:</b>	12 months
<b>Sample volume:</b>	10 µl	<b>Control samples:</b>	2		

**REF K102 Rubella IgG EIA**

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	30'/30'/15', 37 °C	<b>Shelf life:</b>	12 months
<b>Sample predilution:</b>	1:101	<b>Calibrators:</b>	5 (0–200 IU/ml)		
<b>Sample volume:</b>	100 µl	<b>Control sample:</b>	1		

**REF K102M Rubella IgM EIA**

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	60'/30'/15', 37 °C	<b>Shelf life:</b>	12 months
<b>Sample volume:</b>	10 µl	<b>Control samples:</b>	2		

**REF K103 CMV IgG EIA (semi-quantitative)**

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	30'/30'/15', 37 °C	<b>Shelf life:</b>	12 months
<b>Sample predilution:</b>	1:101	<b>Control samples:</b>	3	<b>Normal range (K value):</b>	≤5
<b>Sample volume:</b>	100 µl				

**REF K103M CMV IgM EIA**

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	60'/30'/15', 37 °C	<b>Shelf life:</b>	12 months
<b>Sample volume:</b>	10 µl	<b>Control samples:</b>	2		

**REF K104 HSV ½ IgG EIA (semi-quantitative)** CE

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	30'/30'/15', 37 °C	<b>Shelf life:</b>	12 months
<b>Sample predilution:</b>	1:101	<b>Control samples:</b>	3	<b>Normal range (K value):</b>	≤5
<b>Sample volume:</b>	100 µl				

**REF K104M HSV ½ IgM EIA** CE

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	60'/30'/15', 37 °C	<b>Shelf life:</b>	12 months
<b>Sample volume:</b>	10 µl	<b>Control samples:</b>	2		

**REF K104B HSV2 IgG EIA (semi-quantitative) New test!** CE

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	60'/30'/15', 37 °C	<b>Shelf life:</b>	12 months
<b>Sample volume:</b>	10 µl	<b>Control samples:</b>	2	<b>Normal range (K value):</b>	≤5

**REF K105 Chlamydia IgG EIA (semi-quantitative)**

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	30'/30'/15', 37 °C	<b>Shelf life:</b>	12 months
<b>Sample volume:</b>	20 µl	<b>Control samples:</b>	3	<b>Normal range (K value):</b>	≤5

**REF K105M Chlamydia IgM EIA** New test!

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	30', 37°C/30'/15', 18-25 °C	<b>Control samples:</b>	2
<b>Sample volume:</b>	10 µl			<b>Shelf life:</b>	12 months

**REF K106 Mycoplasma IgG EIA (semi-quantitative)** CE

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	30'/30'/15', RT	<b>Shelf life:</b>	12 months
<b>Sample volume:</b>	20 µl	<b>Control samples:</b>	3	<b>Normal range (K value):</b>	≤4

**REF K111 Treponema pallidum Total Ab EIA** CE

A solid-phase enzyme immunoassay for the qualitative detection of total antibodies (IgG, IgM, IgA) to *Treponema pallidum* in serum or plasma.

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	30'/15', 37 °C	<b>Shelf life:</b>	12 months
<b>Sample volume:</b>	10 µl	<b>Control samples:</b>	2		

**REF K111G Treponema pallidum IgG EIA** CE

A solid-phase enzyme immunoassay for the qualitative detection of IgG antibodies to *Treponema pallidum* in serum or plasma.

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	30'/30'/15', 37 °C	<b>Shelf life:</b>	12 months
<b>Sample volume:</b>	10 µl	<b>Control samples:</b>	2		

**REF K119 H. pylori IgG EIA (semi-quantitative) New test!** CE

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	30'/30'/15', 37 °C	<b>Shelf life:</b>	12 months
<b>Sample volume:</b>	10 µl	<b>Control samples:</b>	2	<b>Normal range (K value):</b>	≤5

**REF K119M H. pylori IgM EIA (semi-quantitative) New test!** CE

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	30'/30'/15', 37 °C	<b>Shelf life:</b>	12 months
<b>Sample volume:</b>	10 µl	<b>Control samples:</b>	2	<b>Normal range (K value):</b>	≤5

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

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	30'/30'/15', RT	<b>Shelf life:</b>	12 months
<b>Sample predilution:</b>	1:21	<b>Control samples:</b>	3	<b>Normal range (K value):</b>	≤5
<b>Sample volume:</b>	100 µl				

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

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	30'/30'/15'; 37 °C	<b>Shelf life:</b>	12 months
<b>Sample volume:</b>	20 µl	<b>Control samples:</b>	2		

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

<b>Sample type:</b>	serum, plasma	<b>Incubation:</b>	30'/30'/15'; 37 °C	<b>Shelf life:</b>	12 months
<b>Sample volume:</b>	20 µl	<b>Control samples:</b>	2		

**Coming soon:**

**K111M** *Treponema pallidum* IgM EIA

**K174** *Nematodes* IgG EIA

**K175** *Cestodes* IgG EIA

**K176** *Trematodes* IgG EIA

## HUMORAL IMMUNITY AND ACUTE PHASE PROTEINS

**REF K271** **Total IgG EIA** CE

<b>Sample type:</b>	Serum, plasma, urine, saliva, cerebrospinal fluid	<b>Sensitivity:</b>	0.12 g/l	<b>Control sample:</b>	1
<b>Sample predilution:</b>	1:1–1:5000	<b>Incubation:</b>	30'/30'/15'; 37 °C	<b>Shelf life:</b>	12 months
<b>Sample volume:</b>	10–100 µl	<b>Calibrators:</b>	5 (0–25 g/l)	<b>Normal range, g/l:</b>	9.0–20.0
				<b>– serum</b>	

**REF K275** **Total IgA EIA** CE

<b>Sample type:</b>	Serum, plasma, urine, saliva, cerebrospinal fluid	<b>Sensitivity:</b>	0.12 g/l	<b>Control sample:</b>	1
<b>Sample predilution:</b>	1:1–1:5000	<b>Incubation:</b>	30'/30'/15'; 37 °C	<b>Shelf life:</b>	12 months
<b>Sample volume:</b>	10–100 µl	<b>Calibrators:</b>	5 (0–5 g/l)	<b>Normal range, g/l:</b>	0.9–5.0
				<b>– serum</b>	

**REF K277** **Total IgM EIA** CE

<b>Sample type:</b>	Serum, plasma, urine, saliva, cerebrospinal fluid	<b>Sensitivity:</b>	0.12 g/l	<b>Control sample:</b>	1
<b>Sample predilution:</b>	1:1–1:5000	<b>Incubation:</b>	30'/30'/15'; 37 °C	<b>Shelf life:</b>	12 months
<b>Sample volume:</b>	10–100 µl	<b>Calibrators:</b>	5 (0–10 g/l)	<b>Normal range, g/l:</b>	0.7–3.7
				<b>– serum</b>	

**REF K276** **Secretory IgA EIA (in saliva)** CE

<b>Sample type:</b>	Saliva, serum, urine etc.	<b>Sensitivity:</b>	1.2 µg/ml	<b>Control sample:</b>	1
<b>Sample predilution:</b>	1:51–1:501	<b>Incubation:</b>	90'/30'/15'; 37 °C	<b>Shelf life:</b>	12 months
<b>Sample volume:</b>	5–100 µl	<b>Calibrators:</b>	6 (0–400 µg/ml)	<b>Normal range, g/l:</b>	1.6–5.0
				<b>– serum</b>	57–260
				<b>– saliva</b>	0.5–2.7
				<b>– urine</b>	

**REF K272\*** **IgG2 EIA** CE

<b>Sample type:</b>	Serum	<b>Sensitivity:</b>	0.12 g/l	<b>Control sample:</b>	1
<b>Sample predilution:</b>	1:5000	<b>Incubation:</b>	30'/30'/15'; 37 °C	<b>Shelf life:</b>	12 months
<b>Sample volume:</b>	100 µl	<b>Calibrators:</b>	6 (0–15 g/l)	<b>Normal range, g/l:</b>	1.0–7.5

\* – the kit is made to order

**REF K274\*** **IgG4 EIA**

<b>Sample type:</b>	Serum	<b>Sensitivity:</b>	0.02 g/l	<b>Control sample:</b>	1
<b>Sample predilution:</b>	1:5000	<b>Incubation:</b>	30'/30'/15'; 37 °C	<b>Shelf life:</b>	12 months
<b>Sample volume:</b>	100 µl	<b>Calibrators:</b>	5 (0–2.5 g/l)	<b>Normal range, g/l:</b>	0.1–1.2

\* – the kit is made to order

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

<b>Sample type:</b>	Serum, plasma, urine, cerebrospinal fluid	<b>Sensitivity:</b>	0.1 µg/ml	<b>Control sample:</b>	1
<b>Sample predilution:</b>	1:1–1:101	<b>Incubation:</b>	30'/30'/15'; 37 °C	<b>Shelf life:</b>	12 months
<b>Sample volume:</b>	10–40 µl	<b>Calibrators:</b>	6 (0–15 µg/ml)	<b>Normal range, µg/ml:</b>	2–6

\* – the kit is made to order

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

<b>Sample type:</b>	Serum, plasma, urine, cerebrospinal fluid	<b>Sensitivity:</b>	1.0 µg/ml	<b>Control sample:</b>	1
<b>Sample predilution:</b>	1:1–1:101	<b>Incubation:</b>	30'/30'/15'; 37 °C	<b>Shelf life:</b>	12 months
<b>Sample volume:</b>	10–100 µl	<b>Calibrators:</b>	6 (0–150 µg/ml)	<b>Normal range, µg/ml:</b>	6–13

\* – the kit is made to order

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

<b>Sample type:</b>	serum, plasma	<b>Sensitivity:</b>	0.05 mg/l	<b>Control sample:</b>	1
<b>Sample predilution:</b>	1:101	<b>Incubation:</b>	30'/30'/15'; 37 °C	<b>Shelf life:</b>	12 months
<b>Sample volume:</b>	25 µl	<b>Calibrators:</b>	6 (0–25 mg/l)	<b>Normal range, mg/l:</b>	0–5.0

## QUALITY CONTROL SERA FOR IMMUNOASSAYS

**REF** KQ13

### **AutoQon Auto-Thyroid Control, 3 level**

CE

***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**

CE

***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**

CE

***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

## REAGENTS FOR IMMUNOCHEMISTRY, IMMUNOHISTOCHEMISTRY AND FLOW CYTOMETRY\*

Cat.No.	Product name	Intended use and comments
<b>Primary Antibodies</b>		
Monoclonal antibodies for immunohistochemistry/immunocytochemistry/flow cytometry, presented in stabilizing buffer and titered on standard sections. Shelf life – 12 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
<b>Species specific detection kits for paraffin and cryostat sections</b>		
The kits contain: ready to use Blocking solution for sections; Biotinylated anti-species antibodies; Streptavidin-HRPO conjugate; DAB substrate for 100 determinations; shelf life – 12 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
<b>Auxiliary reagents for IHC. Shelf life – at least, 2 years at 4 °C.</b>		
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.