



DIAGNOSTIC ASSAYS & INSTRUMENTS

INTERNATIONAL PRODUCT CATALOGUE



**GOLD
STANDARD
DIAGNOSTICS**

DIAGNOSTIC ASSAYS & INSTRUMENTS

INTERNATIONAL PRODUCT CATALOGUE

GOLD STANDARD DIAGNOSTICS

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YOUR FULL SOLUTION DIAGNOSTICS PARTNER

ABOUT US

The **Gold Standard Diagnostics Group** is a leading healthcare provider of diagnostic solutions composed by three companies with extensive experience in the clinical market: Gold Standard Diagnostics Inc., Novatec Immundiagnostica GmbH, and Virotech Diagnostics GmbH.

Uniting their combined core competencies, the group provides automated platforms and a broad test menu of diagnostic tests in the fields of virology, bacteriology, parasitology, mycology, tumor markers, hormones and autoimmune diseases.

With new R&D capabilities, Gold Standard Diagnostics (GSD) is committed to provide the highest quality assays and services to its vast laboratory network worldwide, and will continue to devote all of its efforts to improving patient care.

- Automation Design & Manufacturing
- Reagent Development & Manufacturing
- 100+ Distributors Worldwide
- Excellent Customer Support
- Regulatory Expertise
- CE Marked Products

The new GSD corporate identity serves as an umbrella brand for all the companies in the group:



Gold Standard Diagnostics Europe:

- Novatec Immundiagnostica GmbH
- Virotech Diagnostics GmbH

Gold Standard Diagnostics US:

- Gold Standard Diagnostics Inc.

CONTACT US

Gold Standard Diagnostics Europe
Novatec Immundiagnostica GmbH
Virotech Diagnostics GmbH

📍 Germany
Waldstrasse 23 A6,
63128 Dietzenbach

☎ +49 6074 23698-0

@ info@goldstandarddiagnostics.eu

💻 goldstandarddiagnostics.com

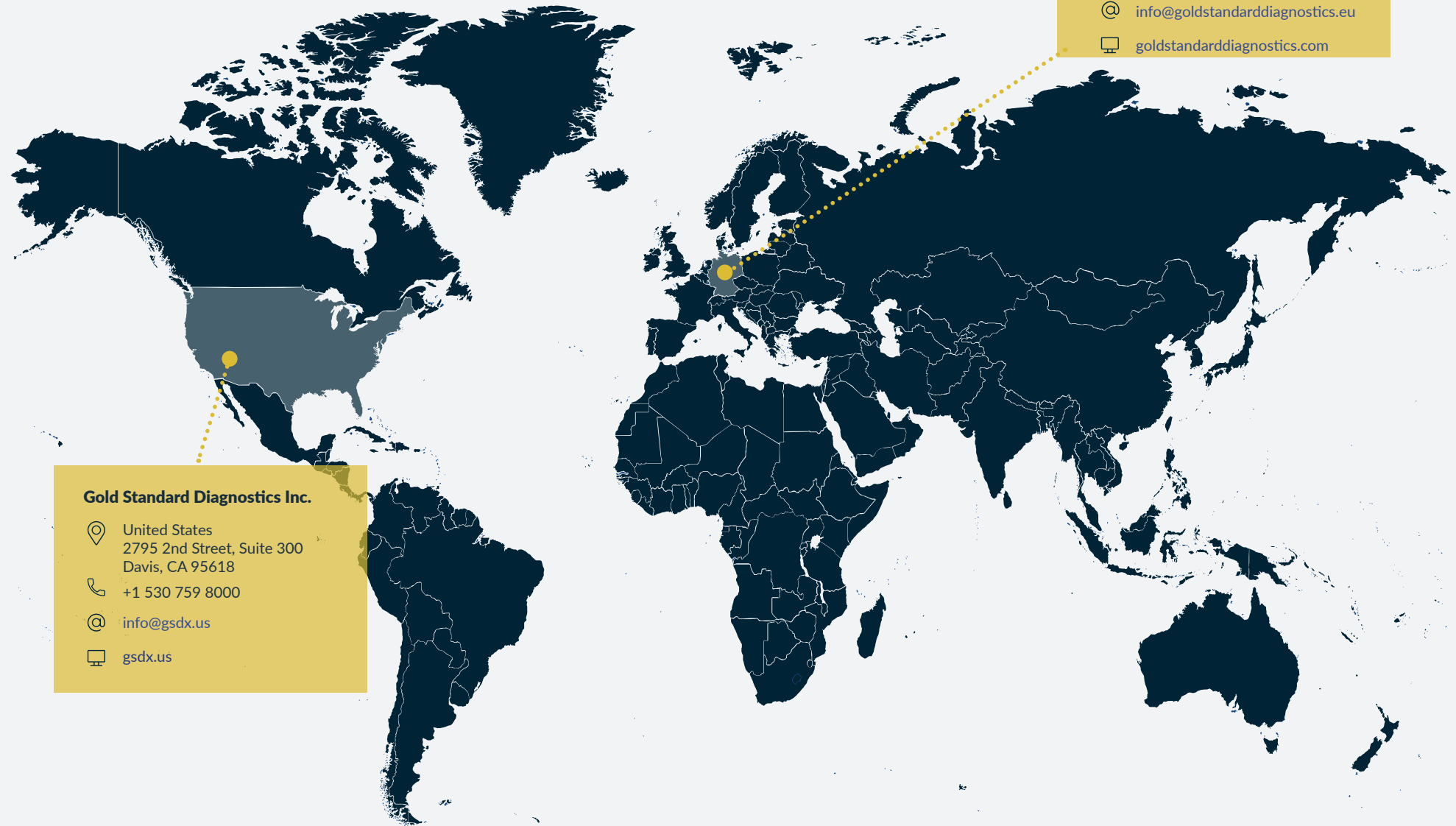
Gold Standard Diagnostics Inc.

📍 United States
2795 2nd Street, Suite 300
Davis, CA 95618

☎ +1 530 759 8000

@ info@gndx.us

💻 gndx.us



NOVATEC STANDING THE TEST OF TIME

NOVATEC IMMUNDIAGNOSTICA GMBH

NovaTec Immundiagnostica GmbH is a medium-sized, ISO certified company, located in Dietzenbach, by Frankfurt am Main. The company is mainly engaged in the development and manufacturing of ELISA diagnostic kits for both human and veterinary markets, focusing on infectious diseases (bacterial, viral and parasitic diseases). The product range of NovaTec includes ELISA and Real-time PCR kits.

Product lines

NovaLisa®: ELISA products for the diagnosis of infectious diseases for the human market
- *Virology, Bacteriology, Parasites, Worms, Fungi*

NovaPrime®: Real-Time PCR Test kits and RNA Extraction kits for the human market
- *Accelerating Molecular Diagnostics*

VetLine: ELISA assays for the detection of pathogen specific antigens or antibodies
- *Diagnostic Assays for pets and livestock*

- +200 assays
- Standardized methods
- Ready to use, color-coded, and bar-coded reagents
- Fast turnaround time
- 18 months shelf life
- Custom manufacturing
- Private labelling



Infectious Diseases
Virology, Bacteriology,
Parasites, Worms, Fungi



Hormones, Tumor markers
Steroids, Protein, Thyroid,
Tumor markers, Diabetes



Veterinary Diagnostics
Assays for pets and livestock
for diagnostic & research use



ELISA KITS

NovaLisa® is the IVD ELISA Kits product line for the human market. We offer a wide range of products with focus on Infectious Diseases: Virology, Bacteriology, Parasites, Worms and Fungi. All the reagents are ready to use and user friendly.

- CE approved
- Standardized methods
- Ready-to-use, color-coded reagents
- Special IgM-buffer to avoid interferences with rheumatoid factors
- EIAs with cut-off-controls
- Snap-off microtiter strips
- QC performed manually as well as on several automated systems

Virology



Product	Format	Order No.	Description
Adenovirus			
Adenovirus IgA	96 tests	ADVG0010	Coated with highly purified native antigen.
Adenovirus IgG	96 tests	ADVG0010	
Adenovirus IgM	96 tests	ADVM0010	
Chikungunya Virus			
Chikungunya Virus IgG capture	96 tests	CHIG0590	Development in cooperation with reference center in Germany. Capture-technology for IgG and IgM to increase specificity.
Chikungunya Virus IgM μ -capture	96 tests	CHIM0590	
CMV			
Cytomegalovirus (CMV) IgG	96 tests	CMVG0110	Coated with highly purified native antigen. Avidity test can be used to determine the time of infection.
Avidity Cytomegalovirus (CMV) IgG	48 tests	ACMV7110	
Cytomegalovirus (CMV) IgM	96 tests	CMVM0110	
Dengue Virus			
Dengue Virus IgG	96 tests	DENG0120	Qualitative determination of IgG and IgM antibodies. Capture-technology for IgM to increase specificity.
Dengue Virus IgM	96 tests	DENM0120	
Dengue Virus IgM μ -capture	96 tests	DVM0640	
Dengue Virus NS1 Antigen	96 tests	NS1D4020	
EBV-VCA, EBNA			
Epstein-Barr Virus (VCA) IgA	96 tests	EBVA0150	VCA and EBNA testing in parallel supports the diagnostic differentiation of primary from re-activated infection. Avidity test can be used to determine the time of infection.
Epstein-Barr Virus (VCA) IgG	96 tests	EBVG0150	
Avidity Epstein-Barr Virus (VCA) IgG	48 tests	AEBV7150	
Epstein-Barr Virus (VCA) IgM	96 tests	EBVM0150	
Epstein-Barr Virus (EBNA) IgG	96 tests	EBVG0580	
Hantavirus			
Hantavirus IgG *	96 tests	HANG0670	Development in cooperation with reference center in Germany. Four species/serotypes to detect world-wide occurring Hantaviruses. Recombinant antigen.
Hantavirus IgM *	96 tests	HANM0670	
Hepatitis E Virus			
Hepatitis E Virus (HEV) IgG *	96 tests	HEVG0780	Recombinant antigen for high sensitivity and specificity.
Hepatitis E Virus (HEV) IgM *	96 tests	HEVM0780	

* Recombinant antigen

Virology



Product	Format	Order No.	Description
Herpes Simplex Virus			
Herpes simplex Virus 1+2 (HSV) IgG	96 tests	HSVG0250	Qualitative assays to detect antibodies against HSV. Recombinant antigens for discrimination of HSV 1 and 2.
Herpes simplex Virus 1+2 (HSV) IgM	96 tests	HSVMO250	
Herpes simplex Virus 1 (HSV-1) IgG *	96 tests	HSV1G0500	
Herpes simplex Virus 1 (HSV-1) IgM *	96 tests	HSV1M0500	
Herpes simplex Virus 2 (HSV-2) IgG *	96 tests	HSV2G0540	
Herpes simplex Virus 2 (HSV-2) IgM *	96 tests	HSV2M0540	
Influenza Virus			
Influenza Virus A IgA	96 tests	INFA0290	Qualitative determination of IgA, IgG, and IgM antibodies.
Influenza Virus A IgM	96 tests	INFM0290	
Influenza Virus A IgG	96 tests	INFG0290	
Influenza Virus B IgA	96 tests	INFA0300	
Influenza Virus B IgM	96 tests	INFM0300	
Influenza Virus B IgG	96 tests	INFG0300	
Measles Virus			
Measles Virus IgG	96 tests	MEAG0330	Distinguish between present and past contact with measles due to vaccination or wild-virus. Avidity test can be used to determine the time of infection.
Avidity Measles Virus IgG	48 tests	AMEA7330	
Measles Virus IgM	96 tests	MEAM0330	
Mumps Virus			
Mumps Virus IgG	96 tests	MUMG0340	Distinguish between present and past contact with mumps due to vaccination or wild-virus.
Mumps Virus IgM	96 tests	MUMM0340	
Parainfluenza Virus			
Parainfluenza Virus 1,2,3 IgA	96 tests	PAIA0360	Qualitative determination of IgA, and IgG antibodies.
Parainfluenza Virus 1,2,3 IgG	96 tests	PAIG0360	
Parvovirus			
Parvovirus B 19 IgG *	96 tests	PARG0370	Qualitative assays with recombinant antigen to detect antibodies against Parvovirus B19.
Parvovirus B 19 IgM *	96 tests	PARM0370	
Respiratory Syncytial Virus			
Respiratory syncytial Virus IgA	96 tests	RSVA0380	Qualitative determination of IgA, IgM, and IgG antibodies.
Respiratory syncytial Virus IgG	96 tests	RSVG0380	
Respiratory syncytial Virus IgM	96 tests	RSVM0380	
Rubella Virus			
Rubella Virus IgG **	96 tests	RUBG0400	Avidity test can be used to determine the time of infection. Capture technology to increase specificity.
Avidity Rubella Virus IgG ***	48 tests	ARUB7400	
Rubella Virus IgM μ-capture	96 tests	RUBM0400	
SARS-CoV-2 Virus			
SARS-CoV-2 (COVID-19) IgA	96 tests	COVA0940	Coated with Nucleocapsid antigen of SARS-CoV-2. Good references in scientific studies. No-cross reactivity to other human coronaviruses.
SARS-CoV-2 (COVID-19) IgG	96 tests	COVG0940	
SARS-CoV-2 (COVID-19) IgM	96 tests	COVM0940	
SARS-CoV-2 (COVID-19) Quantitative IgG	96 tests	COVQ0940	Quantitative determination of antibodies to the SARS-CoV-2 spike (S) protein.

* Recombinant antigen

** Quantitative assays (WHO standardized)

*** Quantitative assays

Virology



Product	Format	Order No.	Description
TBE Virus			
TBE / FSME IgG ***	96 tests	TICG0440	Quantitative IgG assay for follow-up of antibody titer profile. Plus assay contains an additional control. IgG and IgM assay can be used to verify immune status. Low cross-reactivity to other flaviviruses.
TBE / FSME IgM	96 tests	TICM0440	
TBE / FSME IgG plus ***	96 tests	PTICG044	
Varicella Virus			
Varicella-Zoster Virus (VZV) IgA	96 tests	VZVA0490	IgG test can be used for measuring antibody response after varicella vaccination.
Varicella-Zoster Virus (VZV) IgG	96 tests	VZVG0490	
Varicella-Zoster Virus (VZV) IgM	96 tests	VZVM0490	
Zika Virus			
Zika Virus IgG capture *	96 tests	ZVG0790	ZIKV-NS1 antigen. Capture-technology for IgG and IgM increases specificity and reduces cross reactivity.
Zika Virus IgM μ-capture *	96 tests	ZVM0790	

* Recombinant antigen

*** Quantitative assays

Bacteriology



Product	Format	Order No.	Description
Bartonella			
Bartonella	96 tests	BAR0900	Development in cooperation with reference center in Germany. Total Ab-test coated with highly purified native antigen.
Bordetella			
Bordetella pertussis IgA	96 tests	BOPA0030	Discrimination between Ab against pertussis and pertussis toxin possible. The Pertussis assays use a combination of antigens. The Pertussis toxin assays use pure antigens and are calibrated against WHO standards.
Bordetella pertussis IgG	96 tests	BOPG0030	
Bordetella pertussis IgM	96 tests	BOPM0030	
Bordetella pertussis toxin (PT) IgA **	96 tests	BPTA0610	
Bordetella pertussis toxin (PT) IgG **	96 tests	BPTG0610	
Borrelia			
Borrelia burgdorferi IgG *	96 tests	BORG0040	IgG and IgM assays are validated for CSF, serum, and plasma samples.
Borrelia burgdorferi IgM *	96 tests	BORM0040	
Brucella			
Brucella IgG	96 tests	BRUG0050	Qualitative determination of IgM and IgG antibodies.
Brucella IgM	96 tests	BRUM0050	
Chlamydia			
Chlamydia trachomatis IgA	96 tests	CHLA0070	Qualitative determination of IgA, IgM, and IgG antibodies.
Chlamydia trachomatis IgG	96 tests	CHLG0070	
Chlamydia trachomatis IgM	96 tests	CHLM0070	
Chlamydia pneumoniae IgA	96 tests	CHLA0510	
Chlamydia pneumoniae IgG	96 tests	CHLG0510	
Chlamydia pneumoniae IgM	96 tests	CHLM0510	
Corynebacterium			
Corynebacterium diphtheriae toxin IgG **	96 tests	CORG0090	5S assays contain an additional fifth standard. Plus assay contains an additional control. Calibrated against WHO standards. Verification of immune status due to vaccination or contact with wild virus.
Corynebacterium diphtheriae toxin 5S IgG **	96 tests	CORG5009	
Corynebacterium diphtheriae toxin 5S IgG plus **	96 tests	PCORG009	

* Recombinant antigen

** Quantitative assays (WHO standardized)

Bacteriology



Product	Format	Order No.	Description
Helicobacter			
Helicobacter pylori IgG ***	96 tests	HELG0220	Quantitative determination of IgG antibodies.
Helicobacter pylori IgG plus ***	96 tests	PHELG022	Plus assay contains an additional control.
Legionella			
Legionella pneumophila IgG	96 tests	LEGG0650	Coated with antigens from a pool of different serovars to increase sensitivity.
Legionella pneumophila IgM	96 tests	LEGM0650	
Leptospira			
Leptospira IgG	96 tests	LEPG0660	Qualitative determination of IgM and IgG antibodies.
Leptospira IgM	96 tests	LEPM0660	
Mycoplasma			
Mycoplasma pneumoniae IgA	96 tests	MYCA0350	Coated with highly purified antigens.
Mycoplasma pneumoniae IgG	96 tests	MYCG0350	
Mycoplasma pneumoniae IgM	96 tests	MYCM0350	
Clostridium			
Clostridium tetani toxin IgG **	96 tests	TETG0430	Recombinant antigen used in the three assays. 5S assays contain an additional fifth standard. Plus assay contains an additional control. Assays calibrated against WHO standards.
Clostridium tetani toxin 5S IgG **	96 tests	TETG5043	
Clostridium tetani toxin 5S IgG plus **	96 tests	PTETG043	

* Recombinant antigen

** Quantitative assays (WHO standardized)

*** Quantitative assays

Parasites



Product	Format	Order No.	Description
Chagas (Trypanosoma cruzi)			
Chagas (Trypanosoma cruzi) IgG *	96 tests	CHAG0560	Chimeric-recombinant antigens to reduce cross-reactivity to Leishmania and Malaria. Qualitative determination of IgG and total Ab.
Entamoeba histolytica			
Entamoeba histolytica IgG	96 tests	ENTG0140	Qualitative determination of IgG antibodies.
Leishmania infantum			
Leishmania infantum IgG	96 tests	LEIG0310	Coated with specific antigens to reduce cross-reactivity to chagas.
Malaria			
Malaria *	96 tests	MAL0620	Recombinant antigens to reduce cross-reactivity to other parasites. Total-Ab test helps to detect all stages of malaria infection.
Toxoplasma gondii			
Toxoplasma gondii IgA	96 tests	TOXA0460	Capture technology to reduce cross-reactivity. Assays calibrated against WHO standards.
Toxoplasma gondii IgG **	96 tests	TOXG0460	
Avidity Toxoplasma gondii IgG **	48 tests	ATOX7460	
Toxoplasma gondii IgM μ -capture	96 tests	TOXM0460	

* Recombinant antigen

** Quantitative assays (WHO standardized)

Worms



Product	Format	Order No.	Description
Ascaris lumbricoides			
Ascaris lumbricoides IgG	96 tests	ASCG0020	Coated with native antigen for high sensitivity.
Echinococcus			
Echinococcus IgG	96 tests	ECHG0130	Qualitative determination of IgG antibodies.
Filariasis			
Filariasis	96 tests	FIL0760	Detects antibodies against <i>Onchocerca</i> , <i>Loa loa</i> , and <i>Wuchereria</i> (main genus of filarial worms).
Schistosoma mansoni			
Schistosoma mansoni IgG	96 tests	SCHG0410	Qualitative determination of IgG and IgM antibodies.
Schistosoma mansoni IgM	96 tests	SCHM0410	
Strongyloides			
Strongyloides *	96 tests	STRO0690	Chimeric recombinant antigen to increase specificity. Detects the main human pathogen species.
Taenia solium			
Taenia solium IgG	96 tests	TAEG0420	Coated with native antigen for high sensitivity.
Toxocara canis			
Toxocara canis IgG	96 tests	TOCG0450	Qualitative determination of IgG antibodies.
Trichinella spiralis			
Trichinella spiralis IgG	96 tests	TRIG0480	Qualitative determination of IgG antibodies.

* Recombinant antigen

Fungi



Product	Format	Order No.	Description
Aspergillus fumigatus			
Aspergillus fumigatus IgG	96 tests	ASPG0680	Qualitative determination of IgM and IgG antibodies.
Aspergillus fumigatus IgM	96 tests	ASPM0680	
Candida albicans			
Candida albicans IgA	96 tests	CANA0060	Qualitative determination of IgA, IgM and IgG antibodies.
Candida albicans IgG	96 tests	CANG0060	
Candida albicans IgM	96 tests	CANM0060	

Hormones



Product	Format	Order No.	Description
Thyroid Hormones			
Anti-TG ***	96 tests	ATG1010	Quantitative determination of thyroid hormones and autoantibodies in human serum or plasma (citrate, heparin).
Anti-TPO ***	96 tests	ATPO1020	
Free T4 ***	96 tests	FT41050	
TSH **	96 tests	TSH1030	
Free T3	96 tests	DNOV051	
Total T3	96 tests	DNOV053	
Total T4	96 tests	DNOV054	
Thyroglobulin	96 tests	DNOV057	
Steroid Hormones			
Cortisol	96 tests	DNOV001	Quantitative determination of steroid hormones in human serum or plasma (citrate, heparin).
Testosterone	96 tests	DNOV002	
17 beta-Estradiol	96 tests	DNOV003	
17-OH Progesterone	96 tests	DNOV004	
DHEA-S	96 tests	DNOV005	
Progesterone	96 tests	DNOV006	
Androstenedione	96 tests	DNOV008	
Free Testosterone	96 tests	DNOV009	
Aldosterone	96 tests	DNOV012	
Steroid Hormones in Urine			
Urinary Cortisol	96 tests	DNOV010	Quantitative determination of steroid hormones in human urine.
Steroid Hormones in Saliva			
Cortisol Saliva	96 tests	DSNOV20	Quantitative determination of steroid hormones in human saliva.
Testosterone Saliva	96 tests	DSNOV21	
DHEA-S Saliva	96 tests	DSNOV24	
Androstenedione Saliva	96 tests	DSNOV27	
Protein Hormones			
LH (Lutenizing Hormone)	96 tests	DNOV030	Quantitative determination of protein hormones in human serum or plasma.
FSH (Follicle Stimulating Hormone)	96 tests	DNOV031	
Prolactin	96 tests	DNOV032	
AFP (alpha-Fetoprotein Precursor)	96 tests	DNOV033	
beta HCG	96 tests	DNOV034	
Diabetes Monitoring			
Insulin	96 tests	DNOV111	Quantitative determination of specific analytes in human serum or plasma.
C-Peptide	96 tests	DNOV112	
Circulating Immuno Complexes			
CIC-C1q	96 tests	DNOV093	Quantitative determination of specific analytes in human serum or plasma.
CIC-C3d	96 tests	DNOV094	
CH-50	96 tests	DNOV096	
Tumor Markers			
CEA	96 tests	DNOV060	Quantitative determination of specific analytes in human serum or plasma.
CA 125	96 tests	DNOV061	
CA 15-3	96 tests	DNOV062	
CA 19-9	96 tests	DNOV063	
Total PSA	96 tests	DNOV064	
Miscellaneous			
Ferritin	96 tests	DNOV100	Quantitative determination of specific analytes in human serum or plasma.
HGH	96 tests	DNOV101	
IgE	96 tests	DNOV102	

** Quantitative assays (WHO standardized)

*** Quantitative assays

Autoimmune



Product	Format	Order No.	Description
Autoimmune			
Anti-TG *	96 tests	ATG1010	Quantitative determination of specific autoimmune antibodies in serum or plasma.
Anti-TPO *		ATPO1020	
Rheumatology			
Rheumatoid Factor IgM **	96 tests	RFM3010	Quantitative determination of specific analytes in human serum or plasma.

* Recombinant antigen

** Quantitative assays (WHO standardized)



ANTIGEN RAPID TEST

The new Antigen Rapid Test assay from the Gold Standard Diagnostics Group is a rapid chromatographic immunoassay for the qualitative detection of SARS-CoV-2 Nucleocapsid (N) Protein antigens present in respiratory samples.

The GSD NovaGen SARS-CoV-2 Ag Rapid Test completes the diagnostic panel of the Gold Standard Diagnostics Group for SARS-CoV-2 diagnostics: ELISA, RT-PCR, and RNA Extraction kits. This lateral-flow test meets the WHO performance criteria for use in the global fight against COVID-19.

Virology



Product	Format	Order No.	Description
SARS-CoV-2 (COVID-19)			
GSD NovaGen SARS-CoV-2 Ag Rapid Test (NP swab)	20 tests	CVAG4080A	CE-IVD marked rapid chromatographic immunoassay for the qualitative detection of SARS-CoV-2 Nucleocapsid (N) Protein antigens
GSD NovaGen SARS-CoV-2 Ag Rapid Test (Nasal swab)	20 tests	CVAG4080B	
GSD NovaGen SARS-CoV-2 Ag Rapid Test (Nasal swab) for self testing	5 tests	CVAG502H05	

* Not available in the US.



MOLECULAR BIOLOGY

Since the SARS-CoV-2 outbreak, NovaTec has increased its R&D efforts and resources in the molecular diagnostics department, and we will continue to place emphasis on growth and improvement of this product line.

RNA Extraction Kits



Product	Format	Order No.	Description
SARS-CoV-2 (COVID-19)			
GSD NovaPrime® IVD RNA Extraction AE1	1 x 96 reactions	5524401101	CE-certified kit for an automated isolation of high-quality RNA from SARS-CoV-2 viral particles of human clinical swab samples.
	20 x 96 reactions	5524401201	
	100 x 96 reactions	55244011100	
GSD NovaPrime® IVD RNA Extraction AE1 RTU	20 x 96 reactions	5524411020	5524411100
	100 x 96 reactions	5524411100	
GSD NovaPrime® IVD RNA Extraction AE2	1 x 96 reactions	5524400901	55244013100
	20 x 96 reactions	5524401401	
	100 x 96 reactions	55244013100	

Real-Time PCR Kits

Product	Format	Order No.	Description
SARS-CoV-2 (COVID-19)			
GSD NovaPrime® TSP SARS-CoV-2 RT-PCR	1 x 96 reactions	PCOV6111	Qualitative determination of SARS-CoV-2 genomic RNA extracted from human upper respiratory specimen types.
	3 x 96 reactions	PCOV6113	
SARS-CoV-2 Variant Detection			
GSD NovaType II SARS-CoV-2	1 x 96 reactions	PCOV6083T	Confirmatory test for the identification of B.1.1.7 (Alpha), B.1.351 (Beta), P.1 (Gamma), and B.1.1.529 (Omicron) variants.
	4 x 96 reactions	PCOV6084T	
GSD NovaType IV SARS-CoV-2	1 x 96 reactions	PCOV6191T	Confirmatory test for the differentiation of Omicron from other VOCs (Beta, Gamma, and Delta). It specifically identifies S gene mutations K417N, E484K, and L452R.
	4 x 96 reactions	PCOV6194T	
GSD NovaType Detect + Select K417N SARS-CoV-2	1 x 96 reactions	PCOV6181T	Real-Time RT-PCR assay designed for the simultaneous qualitative detection of SARS-CoV-2 genomic RNA and identification of the spike (S) mutation K417N.
	4 x 96 reactions	PCOV6184T	
SARS-CoV-2, Influenza A, B and RSV A, RSV B Detection			
Mplex SARS-CoV-2+, Flu A, Flu B (C1) RT-PCR	1 x 96 reactions	PRES6131	Differentiates in a single reaction between Influenza A and B, and simultaneously detects two independent gene targets in SARS-CoV-2 (N-gene + RdRP-gene).
	4 x 96 reactions	PRES6134	
RSV A, RSV B RT-PCR	1 x 96 reactions	PRSV6161	Qualitative determination of RSV A and RSV B specific RNA.
	4 x 96 reactions	PRSV6164	



VETLINE

VetLine is the ELISA Kits product line for the veterinary market. We offer a wide range of products for antibody detection in a wide range of species: canine, feline, bovine, porcine, caprine, and poultry.

- Ready to use and colour coded reagents
- Standardized procedures
- EIAs with cut off control
- Easy to use on automated systems
- Snap-off microtiter strips
- Long shelf-life
- Assay dependant sample types: serum, plasma, urine, milk
- Pooled samples

For Diagnostic Use



Product	Format	Order No.	Species
VetLine Anaplasma	96 tests	ANAVT0850	Canine
VetLine Borrelia	96 tests	BORVT0040	Canine
VetLine Brucella*	96 tests	BRUVT0050	Bovine, Porcine
VetLine Canine Distemper Virus (CDV)	96 tests	MEAVT0330	Canine
VetLine Canine Parvovirus (CPV)	96 tests	PARVT0370	Canine
VetLine Coxiella*	96 tests	COXVT0600	Bovine
VetLine Dirofilaria Antigen	96 tests	DIRVT4760	Canine
VetLine Ehrlichia	96 tests	EHRVT0930	Canine
VetLine Feline Corona Virus (FCoV/FIP)	96 tests	FIPVT0870	Feline
VetLine Feline Immunodeficiency Virus (FIV)	96 tests	FIVVT0750	Feline
VetLine Feline Leukemia Virus (FeLV) Antigen	96 tests	FELVT4800	Feline
VetLine Leishmania	96 tests	LEIVT0310	Canine
VetLine Leptospira*	96 tests	LEPVT0660	Canine
VetLine Riemerella	96 tests	RIEMVT0880	Poultry
VetLine TBE/FSME	96 tests	TICVT0440	Multispecies
VetLine Toxoplasma**	96 tests	TOXVT0460	Canine/Feline
VetLine Toxoplasma IgM**	96 tests	TOXVM0460	Canine/Feline
VetLine Trichinella	96 tests	TRIVT0480	Porcine

* No FLI registration (not available for the German market)

** Registered by the FLI

For Research Use Only



Product	Format	Order No.	Species
VetLine Babesia	96 tests	BABVT0890	Canine
VetLine Bartonella	96 tests	BARVT0900	Feline
VetLine Bovine Haptoglobin	96 tests	BHAPV4040	Bovine
VetLine Canine C-Reactive Protein (CCRP) - coming soon	96 tests	CCRPV4050	Canine
VetLine Coxiella Phase 1*	96 tests	COX1VT0600	Bovine/Ovine/Caprine
VetLine Coxiella Phase 2*	96 tests	COX2VT0600	Bovine/Ovine/Caprine
VetLine Echinococcus*	96 tests	ECHVT0130	Canine
VetLine Feline Parvovirus (FPV)	96 tests	FPVVT0910	Feline
VetLine Feline Calicivirus	96 tests	FCVVT0920	Feline
VetLine Giardia Antigen	96 tests	GIAVT4160	Canine/Feline
VetLine Leptospira IgM*	96 tests	LEPVM0660	Canine
VetLine TBE/FSME IgM	96 tests	TICVM0440	Multispecies
VetLine Toxocara	96 tests	TOCVT0450	Canine

* No FLI registration (not available for the German market)





VIROTECH FOR BETTER SOLUTIONS

VIROTECH DIAGNOSTICS GMBH

Virotech Diagnostics GmbH is a medium-sized German company with more than 30 years of experience in the field of diagnostics. The company site, located in the area of Frankfurt, accommodates research, development, and production.

The Complete Solution

Standard methods to high-end technology (ELISA, LINE Immunoblots, IFA, rapid test, molecular diagnostics), for numerous applications (infectious diseases, human genetics, monitoring, oncology, veterinary diagnostics), in medical laboratory diagnostics and research (serology-, CSF-, faeces laboratory, molecular diagnostics).

- 380 products
- High quality diagnostics
- Outstanding customer service
- Diagnostic solutions for infectious diseases, human genetics and veterinary diagnostics
- Development and manufacturing of serological immunoassays (ELISA, LINE)
- Development and production of bacterial and viral antigens
- Distributor of in vitro diagnostic tests (serological and molecular)
- Contract manufacturing



Infectious Diseases
VIROTECH ELISA
VIROTECH LINE
Trade Products



Veterinary Diagnostics
VIROTECH ELISA
VIROTECH LINE
Trade Products



VIROTECH ELISA

The VIROTECH ELISA product portfolio offers a wide range of qualitative, and quantitative serological test systems for infectious diseases. They serve as tools in order to diagnose specific IgG, IgM, and IgA antibodies in human serum. Furthermore, the VIROTECH ELISA system ensures a high level of flexibility by offering the possibility to apply dilution buffer, washing buffer, TMB, citrate stop solution as well as conjugates for all parameters and a consisting sample dilution and standardized test procedure.

In addition to serology, VIROTECH ELISA can be used for detecting pathogen-specific antibodies in CSF within the established system. The antibody index (AI) determination follows the Reiber system. VIROTECH also offers antibody index controls for ensuring quality control of the routine CSF diagnostics.

Bacteriology



Product	Format	Order No.	Description
VIROTECH Bordetella pertussis (FHA + PT) IgG/IgA ELISA	96 tests	EC115.00	Sensitive Screening due to the use of combined antigens PT and FHA.
VIROTECH Bordetella pertussis Toxin (PT) IgA ELISA IgG ELISA IgG Quant-Set IgM ELISA	96 tests 96 tests 3 x 2 ml 96 tests	EC215A00 EC215G00 EN215Q60 EC215M00	Highly specific and sensitive diagnostics due to the use of pure Pertussis Toxin. Quantitative IgG detection in IU/ml (WHO-Std) by using the IgG quantification set.
VIROTECH Borrelia + VlsE IgG ELISA IgG Liquor/CSF Standards IgG Liquor/CSF AI Ctrl-Set	96 tests 4 x 1 ml 4 x 1 ml	EC022G00 EC022L60 EN022L65	Maximum diagnostic sensitivity, and good specificity due to an antigen mix of <i>B. afzelii</i> strain PKo, <i>B. garinii</i> strain PBr and <i>B. burgdorferi</i> strain ZS7.
VIROTECH Borrelia + VlsE Europe IgG ELISA IgG Liquor/CSF Standards IgG Liquor/CSF AI Ctrl-Set	96 tests 4 x 1 ml 4 x 1 ml	EC024G00 EC022L60 EN022L65	Increased specificity due to a special Cut off adjustment.
VIROTECH Borrelia IgM ELISA IgM Liquor/CSF Standards	96 tests 4 x 1 ml	EC022M00 EC022L80	High sensitivity due to a strong expressing <i>B. afzelii</i> strain PKo.
VIROTECH Brucella IgG/IgM ELISA IgA-Set	96 tests 3 x 1.3 ml & 1 x 11 ml	EC101.00 EC101.08	Detects <i>B. abortus</i> , <i>B. melitensis</i> and <i>B. suis</i> .

Bacteriology



Product	Format	Order No.	Description
VIROTECH Diphtherie/Diphtheria IgG ELISA	96 tests	EC129.00	Usable for survey of vaccination status and vaccination success. Aligned with WHO standards for quantitative detection in IU/ml.
VIROTECH Helicobacter pylori IgA ELISA IgG ELISA	96 tests 96 tests	EC143A00 EC143G00	Sensitive detection of specific IgG- and IgA-antibodies.
VIROTECH Mycoplasma pneumoniae IgG/IgM ELISA IgA-Set	96 tests 3 x 1.3 ml & 1 x 11 ml	EC114.00 EC114.08	Cut off adjustment to detect acute infections in IgG. Specific infants Cut off adjustment.
VIROTECH Mycoplasma pn. polyvalent IgG/IgA+IgM ELISA	96 tests	EC214.00	Efficient diagnostic due to simultaneous detection of IgA & IgM antibodies with one polyvalent conjugate. Cut off adjustment to detect acute infections in IgG. Specific infants Cut off adjustment.
VIROTECH Tetanus IgG ELISA	96 tests	EC124.00	Survey of vaccination status and vaccination success, routinely aligned with WHO standards for quantitative detection in IU/ml.
VIROTECH Yersinia enterocolitica IgG/IgA ELISA	96 tests	EC142.00	Mix of purified native antigens and recombinant antigens YopD, YopB & YopE.

Fungi



Product	Format	Order No.	Description
VIROTECH Candida albicans IgG/IgM ELISA IgA-Set	96 tests 3 x 1.3 ml & 1 x 11 ml	EC111.00 EC111.08	Due to the high prevalence the IgG Cut off is adjusted to detect primarily acute infections.

Virology



Product	Format	Order No.	Description
VIROTECH Adenovirus IgG/IgM ELISA IgA-Set	96 tests 3 x 1.3 ml & 1 x 11 ml	EC121.00 EC121.08	Can be processed in one run with all other kits of the respiratory panel.

Virology



Product	Format	Order No.	Description
VIROTECH CMV IgG/IgM ELISA IgG Liquor/CSF Standards	96 tests 4 x 1 ml	EC113.00 EC113L60	CMV (Cytomegalovirus) with mix of native and recombinant antigens.
VIROTECH EBV IgG/IgM ELISA IgG Liquor/CSF Standards IgG Liquor/CSF AI Ctrl-Set	96 tests 4 x 1 ml 4 x 1 ml	EC102.00 EC102L60 EN102L65	EBV (Epstein Barr Virus) screening ELISA. A diagnostic statement with regard to seronegativity, suspicion to an EBV primary infection or past EBV infection can be made when combining the two antibody classes.
VIROTECH EBV EA-D EA-D IgG ELISA	96 tests	EC202.00	„Early Antigen-Diffuse“ belongs to the early antigens, which are synthesised in the viral replication cycle (acute phase of infection).
VIROTECH EBV EBNA1 IgG ELISA	96 tests	EC204.00	In case of a positive EBNA1-IgG und VCA IgM result, the „Diagnostic Factor“ is used to make a clear distinction between primary and past infection (see VCA IgM ELISA).
VIROTECH EBV VCA IgG ELISA IgM ELISA	96 tests 96 tests	EC205G00 EC203M00	Includes the important high specific markers for EBV (Epstein Barr Virus): gp125 and p18. In case of a positive EBNA1-IgG und VCA IgM result, the „Diagnostic Factor“ is used to make a clear distinction between primary and past infection (see EBNA1 ELISA).
VIROTECH Enterovirus IgA ELISA IgG ELISA IgM ELISA	96 tests 96 tests 96 tests	EC116A00 EC116G00 EC116M00	Coxsackievirus B5 and Echovirus 24. Screening assay for the detection of heterotypic IgG-, IgA-, IgM-antibodies.
VIROTECH FSME/TBE IgG/IgM ELISA IgG Liquor/CSF Standards IgM Liquor/CSF Standards IgG Liquor/CSF AI Ctrl-Set	96 tests 4 x 1 ml 4 x 1 ml 4 x 1 ml	EC117.00 EC117L60 EC117L80 EN117L65	Sensitive detection of an acute or recent infection with Tick-Borne-Encephalitis-Virus (TBE) or for the detection of vaccination antibodies.
VIROTECH Herpes Simplex Virus 1 (gG1) IgG/IgM ELISA IgG Liquor/CSF Standards	96 tests 4 x 1 ml	EC130.00 EC130L60	High-specific recombinant glycoprotein gG1.
VIROTECH Herpes Simplex Virus 2 (gG2) IgG/IgM ELISA IgG Liquor/CSF Standards	96 tests 4 x 1 ml	EC131.00 EC131L60	High-specific affinity-purified glycoprotein gG2.
VIROTECH Herpes Simplex Screen IgG/IgM ELISA IgG Liquor/CSF Standards IgG Liquor/CSF AI Ctrl-Set	96 tests 4 x 1 ml 4 x 1 ml	EC108.00 EC108L60 EN108L65	Screening of IgG and IgM of HSV1 and HSV2.

Virology



Product	Format	Order No.	Description
VIROTECH Influenza A			
IgA ELISA	96 tests	EC118A00	With seasonal updated antigens.
IgG/IgM ELISA	96 tests	EC118.00	
VIROTECH Influenza B			
IgA ELISA	96 tests	EC119A00	With seasonal updated antigens.
IgG/IgM ELISA	96 tests	EC119.00	
VIROTECH Masern/Measles			
IgG ELISA	96 tests	EC105G00	Detection of an acute or recent infection with Measles virus or for the detection of vaccination antibodies. IgG adjusted to the WHO Std.
IgM ELISA	96 tests	EC105M00	
IgG Liquor/CSF Standards	4 x 1 ml	EC105L60	
IgM Liquor/CSF Standards	4 x 1 ml	EC105L80	
IgG Liquor/CSF AI Ctrl-Set	4 x 1 ml	EN105L65	
VIROTECH Mumps			
IgG/IgM ELISA	96 tests	EC106.00	IgM determination for detection of acute infections. IgG determination for detecting the serostatus.
IgG Liquor/CSF Standards	4 x 1 ml	EC106L60	
VIROTECH ParaScreen			
IgG/IgM ELISA	96 tests	EC148.00	Detects Parainfluenza 1-3 in one test run.
IgA-Set	3 x 1.3 ml & 1 x 11 ml	EC148.08	
VIROTECH RSV			
IgG/IgM ELISA	96 tests	EC107.00	The RSV (Respiratory syncytial Virus) ELISA can be processed in one run with all other kits of the respiratory panel.
IgA-Set	3 x 1.3 ml & 1 x 11 ml	EC107.08	
VIROTECH Rubella Liquor/CSF			
Liquor/CSF IgG ELISA	96 tests	EC109L00	CSF Diagnostic for the detection of IgG antibodies.
IgG Liquor/CSF Standards	4 x 1 ml	EC109L60	
IgG Liquor/CSF AI Ctrl-Set	4 x 1 ml	EN109L65	
VIROTECH VZV			
IgG/IgM ELISA	96 tests	EC110.00	VZV (Varicella zoster Virus) ELISA with IgG adjusted as recommended by the Robert-Koch-Institute (aligned to the WHO standard: > 100IU/l = seropositive titer).
IgA-Set	3 x 1.3 ml & 1 x 11 ml	EC110.08	
IgA Liquor/CSF Standard	4 x 1 ml	EC110L40	
IgG Liquor/CSF Standard	4 x 1 ml	EC110L60	
IgM Liquor/CSF Standard	4 x 1 ml	EC110L80	
IgG Liquor/CSF AI Ctrl-Set	4 x 1 ml	EN110L65	

Veterinary Diagnostics ELISA Kits



Product	Format	Order No.	Description
VIROTECH Borrelia Vet.			
Hund/Dog-Pferd/Horse IgG ELISA	96 tests	DC122.00	Sensitive IgG antibody screening of dog or horse serum.
Hund/Dog IgM-Set	1 x 1.3 ml & 1 x 11 ml	DC122K80	Additional IgM diagnostics for dogs can be performed with the IgM-Set kit for dogs.

Preabsorption of Rheumatoid Factors



Product	Format	Order No.	Description
VIROTECH RF-SorboTech	Vial - 2 ml	161101	Rheumatoid factor absorbent for all IgM and IgA+M ELISA tests and Pertussis Toxin IgA ELISA.
VIROTECH RF-SorboTech	Vial - 10 ml	161102	Rheumatoid factor absorbent for all IgM and IgA+M ELISA tests and Pertussis Toxin IgA ELISA.
VIROTECH RF-SorboTech	80 x 2 vials RF - 2 ml & dilution buffer	B/300.00	Rheumatoid factor absorbent for all IgM and IgA+M ELISA tests and Pertussis Toxin IgA ELISA.

Device Validation



Product	Format	Order No.	Description
VIROTECH Validation Kit, ELISA	96 tests	EC250.00	Kit to verify ELISA devices (semi- or fully automated).
Pipetting Control-Set	2.8 ml 2 x 50 ml PBS-Dilution Buffer	EN250K60	Set to verify the pipetting process of ELISA devices (semi- or fully automated). For use with EC250.00.

Evaluation Software



Product	Format	Order No.	Description
LabCheck CSF Analysis	1x	EX-CSF-GB	Evaluation software for CSF diagnostics.
LabCheck 1-Point Quantification	1x	EX-1-Punkt-Quanti	Evaluation software for 1-Point quantification for the VIROTECH Diagnostics Diphtheria, Pertussis Toxin and Tetanus IgG ELISA.
LabCheck Validation Kit and Pipetting Control-Set	1x	EX-250-GB	Evaluation software for the VIROTECH Validation Kit and Pipetting Control-Set.



VIROTECH LINE

VIROTECH LINE Immunoblots serve for the qualitative detection of pathogen-specific IgG, IgM and IgA antibodies in human serum. The coated nitrocellulose test strips enable a high degree of flexibility by offering the possibility to use a consisting sample dilution, a standardized test procedure and the same components across all parameters. Microdispension of antigens at defined positions on the nitrocellulose ensures high reproducibility.

In diagnostics of *Borrelia*, exclusion bands contribute to a safe serology of IgG and IgM. In addition to that, the VIROTECH *Borrelia* LINE Immunoblots can be used for detecting antibodies in CSF. Easy reading and interpretation of VIROTECH LINE Immunoblots can be done visually as well as by utilizing a user-friendly evaluation software.



Bacteriology

Product	Format	Order No.	Description
VIROTECH <i>Bordetella pertussis</i> + CatACT			
IgA LINE Immunoblot	32 tests	WE116A32	New marker CatACT allows differentiation between vaccination and infection. Note towards parapertussis possible. Controls available separately.
IgA LINE Immunoblot	96 tests	WE116A96	
IgA LINE pos. Ctrl	0.5 ml	WE116P40	
IgG LINE Immunoblot	32 tests	WE116G32	
IgG LINE Immunoblot	96 tests	WE116G96	
IgG LINE pos. Ctrl	0.5 ml	WE116P60	
IgG/IgA LINE neg. Ctrl	0.5 ml	WE116N20	
VIROTECH <i>Borrelia in vivo</i>			
IgG LINE Immunoblot	32 tests	WE222G32	Excellent specificity and sensitivity due to the optimised combination of the most important common antigens (OspC, p39, p83/100) with well-known „in-vivo“ antigens. EBV-band as exclusion marker in IgM diagnostics. Validated for CSF testing. Controls available separately.
IgG LINE Immunoblot	96 tests	WE222G96	
IgG LINE pos. Ctrl	0.5 ml	WE222P60	
IgM LINE Immunoblot	32 tests	WE222M32	
IgM LINE Immunoblot	96 tests	WE222M96	
IgM LINE pos. Ctrl	0.5 ml	WE222P80	
IgG/IgM LINE neg. Ctrl	0.5 ml	WE222N10	
VIROTECH <i>Borrelia in vivo</i> + TpN17			
IgG LINE	32 tests	WE223G32	<i>Treponema</i> -band (TpN17) as exclusion marker in IgG diagnostics. Validated for CSF testing. Controls available separately.
IgG LINE	96 tests	WE223G96	
IgG LINE pos. Ctrl	0.5 ml	WE223P60	
IgG LINE neg. Ctrl	0.5 ml	WE223N60	

Bacteriology



Product	Format	Order No.	Description
VIROTECH Borrelia Europe			
IgG Line Immunoblot	32 tests	WE224G32	Optimised combination of high purified lysate antigens (OspC, DbpA-PKo) and recombinant antigens (VlsE, p83, p58, p39, DbpA-Mix). EBV-band as exclusion marker in IgM diagnostics. Validated for CSF testing. Controls available separately.
IgG Line Immunoblot	96 tests	WE224G96	
IgG LINE pos. Ctrl	0.5 ml	WE224P60	
IgM LINE Immunoblot	32 tests	WE224M32	
IgM LINE Immunoblot	96 tests	WE224M96	
IgM LINE pos. Ctrl	0.5 ml	WE224P80	
IgG/IgM LINE neg. Ctrl	0.5 ml	WE224N10	
VIROTECH Borrelia Europe + TpN17			
IgG LINE Immunoblot	32 tests	WE225G32	Treponema-band (TpN17) as exclusion marker in IgG diagnostics. Validated for CSF testing. Controls available separately.
IgG LINE Immunoblot	96 tests	WE225G96	
IgG LINE pos. Ctrl	0.5 ml	WE225P60	
IgG LINE neg. Ctrl	0.5 ml	WE225N60	
VIROTECH Helicobacter pylori			
IgA LINE Immunoblot	32 tests	WE243A32	Therapy-relevant differentiation of virulent and non-virulent strains via CagA and VacA. Controls available separately.
IgA LINE Immunoblot	96 tests	WE243A96	
IgA LINE pos. Ctrl	0.5 ml	WE243P40	
IgG LINE Immunoblot	32 tests	WE243G32	
IgG LINE Immunoblot	96 tests	WE243G96	
IgG LINE pos. Ctrl	0.5 ml	WE243P60	
IgG/IgA LINE neg. Ctrl	0.5 ml	WE243N20	
VIROTECH Mycoplasma pneumoniae			
IgA LINE Immunoblot	16 tests	WE214A16	The first commercially available LINE, with an ideal combination of established (P1) & new antigens (P200, P400). Controls available separately.
IgA LINE pos. Ctrl	0.5 ml	WE214P40	
IgG LINE Immunoblot	16 tests	WE214G16	
IgG LINE pos. Ctrl	0.5 ml	WE214P60	
IgM LINE Immunoblot	16 tests	WE214M16	
IgM LINE pos. Ctrl	0.5 ml	WE214P80	
IgG/IgM/IgA LINE neg. Ctrl	0.5 ml	WE214N50	
VIROTECH Treponema pallidum			
IgG LINE Immunoblot	16 tests	WE150G16	High sensitivity and specificity by using recombinant proteins. Controls available separately.
IgG LINE Immunoblot	32 tests	WE150G32	
IgG LINE pos. Ctrl	0.5 ml	WE150P60	
IgM LINE Immunoblot	16 tests	WE150M16	
IgM LINE Immunoblot	32 tests	WE150M32	
IgM LINE pos. Ctrl	0.5 ml	WE150P80	
IgG/IgM LINE neg. Ctrl	0.5 ml	WE150N10	
VIROTECH Yersinia enterocolitica			
IgA LINE Immunoblot	32 tests	WE242A32	High sensitivity and specificity by using of recombinant proteins. Prevalence band YopDD in IgG shows contact with the pathogen. Controls available separately.
IgA LINE Immunoblot	96 tests	WE242A96	
IgA LINE pos. Ctrl	0.5 ml	WE242P40	
IgG LINE Immunoblot	32 tests	WE242G32	
IgG LINE Immunoblot	96 tests	WE242G96	
IgG LINE pos. Ctrl	0.5 ml	WE242P60	
IgG/IgA LINE neg. Ctrl	0.5 ml	WE242N20	

Virology



Product	Format	Order No.	Description
VIROTECH EBV			
IgG LINE Immunoblot	32 tests	WE102G32	Double Cut off strategy for EBNA1-interpretation. Tool for a clear differentiation between primary and past EBV (Epstein Barr Virus) infection. Controls available separately.
IgG LINE Immunoblot	96 tests	WE102G96	
IgG pos Kontrolle	0.5 ml	WE102P60	
IgM LINE Immunoblot	32 tests	WE102M32	
IgM LINE Immunoblot	96 tests	WE102M96	
IgM LINE pos. Ctrl	0.5 ml	WE102P80	
IgG/IgM LINE neg. Ctrl	0.5 ml	WE102N10	
VIROTECH HSV			
IgG LINE Immunoblot	16 tests	WE130G16	High specific bands for HSV1 (gG1-recombinant) and HSV2 (gG2-purified) as well as a native total antigen band (1+2). Controls available separately.
IgG LINE Immunoblot	32 tests	WE130G32	
IgG LINE pos. Ctrl	0.5 ml	WE130P60	
IgG LINE neg. Ctrl	0.5 ml	WE130N60	

Veterinary Diagnostics



Product	Format	Order No.	Description
VIROTECH Borrelia Vet. + OspA			
IgG LINE Immunoblot	32 tests	DE226G32	Specific LINE assay to detect the most important Borrelia genospecies in dog and horse serum. Differentiation between infection and vaccination antibodies is possible for dogs.
IgG LINE Set Pferd/Horse	32 tests	DE226K62	

Supplementary Material



Product	Format	Order No.	Description
Eco-Scan Record Sheets, black	1x	WE300APB	
Eco-Scan Record Sheets for Flatbed Scanner, lined	1x	WE301APB	
Incubationtray with 30 cavities, black, to be used with the ProfiBlot automates	1x	WE300.30S	For processing with ProfiBlot device
Incubationtray with 48 cavities, black, to be used with the ProfiBlot automates	1x	WE300.48S	For processing with ProfiBlot device
Incubationtray with 8 cavities	1x	WE300.08	Manual testing
Incubationtray with 44 cavities, black, to be used with the Dynablot device	1x	T/DK044N	For processing with Dynablot device

LabImage® LA

LabImage® LA is a sophisticated software for efficient recognition and interpretation of the VIROTECH Diagnostics LINE Immunoblots. The complete automation of the strip analysis offers a maximum on standardisation, which significantly contributes to increased efficiency in medical diagnostic laboratories. Automation can be completed with a bidirectional connection to LIS.

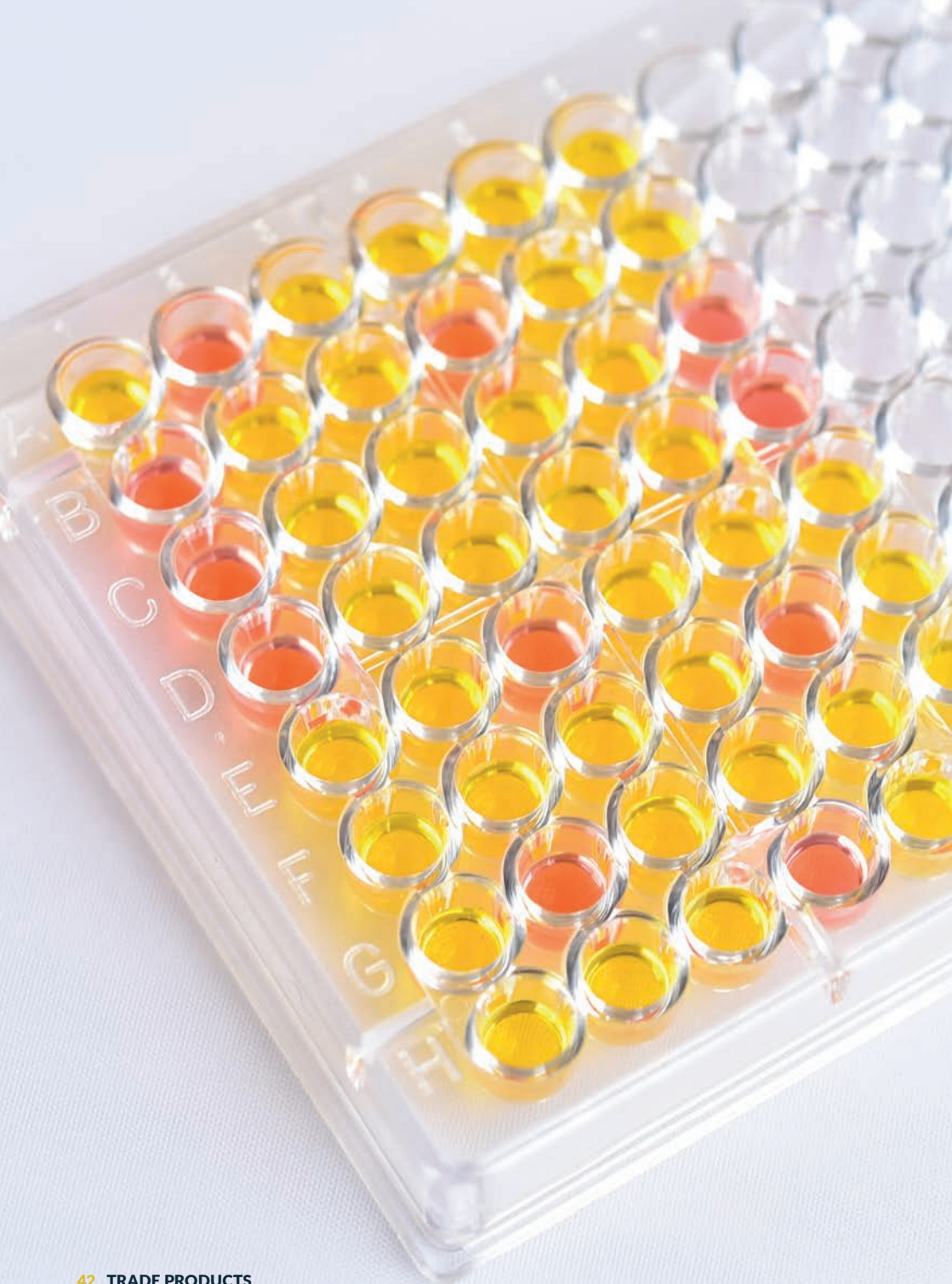
For a maximum on flexibility we provide the software in combination with different instruments depending on the throughput and needs of the laboratory (examples of packages are listed below). We would be glad to provide you with a full immunoblot solution for your laboratory.

Interpretation Software



Product	Format	Order No.	Description
LabImage Reader with PC	1x	F/LABIMREADER/PC	Reader with integrated camera for LINE detection and additional PC
LabImage Reader without PC	1x	F/LABIMREADER	Reader with integrated camera for LINE detection
LabImage License (Dongel)	1x	F/LabImDongel	USB Dongel for the Software license
LabImage Flatbed Scanner	1x	F/LabIFIScanner	Flatbed Scanner for LINE detection
LabImage Setcards CD	1x	F/LabImSetcards-GB/FR	Setcards for parameter specific analyzing algorithm
LabImage Software CD	1x	F/LabImSoftwareCD	Software CD





TRADE PRODUCTS

Seramun Immundiagnostica GmbH – Serazym®

The GSD Group has formed a strategic partnership with Seramun Diagnostica GmbH for the distribution of their stool testing products. The Serazym® product range comprises ELISA tests and Controls for the detection of different viral, bacterial, and parasitological antigens in faecal specimens. The Serazym® line offers laboratories an easy to automate and cost-effective solution, based on identical procedures and general components.



Serazym® ELISA

Product/Format	Order No.	Features
Serazym® Campylobacter		
96 wells	HW/E-093	Direct detection of Campylobacter specific antigens in stool specimens and culture suspensions.
2 x 96 well	HW/E-093-A2	
Serazym® Clostridium difficile GDH		
96 wells	HW/E-107	Direct detection of Glutamatdehydrogenase (GDH) of <i>Clostridium difficile</i> in faecal specimens.
2 x 96 wells	HW/E-107-A2	
Serazym® Clostridium difficile Toxin A + B		
96 wells	HW/E-040	Direct detection of the toxins A and B of <i>Clostridium difficile</i> in stool specimens and culture suspensions.
2 x 96 well	HW/E-040-A2	
Serazym® Verotoxin 1 + 2		
96 wells	HW/E-030	Direct detection of verotoxin 1 and 2 (shiga-toxin 1 and 2) in faecal specimens and stool culture supernatants.
2 x 96 wells	HW/E-030-A2	
Serazym® Adenovirus		
96 wells	HW/E-107	Direct detection of Adenovirus in faecal samples.
2 x 96 well	HW/E-107-A2	
Serazym® Astrovirus		
96 wells	HW/E-045	Direct detection of Astrovirus in faecal samples.
2 x 96 wells	HW/E-045-A2	
Serazym® Norovirus		
96 wells	HW/E-061	Direct detection of Norovirus antigens in faecal samples (genogroup I and genogroup II).
2 x 96 well	HW/E-061-A2	
Serazym® Rotavirus		
96 wells	HW/E-020	Direct detection of Rotavirus in faecal samples.
2 x 96 wells	HW/E-020-A2	
Serazym® Cryptosporidium parvum		
96 wells	HW/E-039-A	Detection of <i>Cryptosporidium parvum</i> in faecal samples.
Serazym® Entamoeba histolytica		
96 wells	HW/E-018-A	The direct detection of <i>Entamoeba histolytica</i> in faecal samples.
Serazym® Giardia		
96 wells	HW/E-106-A	Detection of Giardia lamblia cyst wall protein 1 (CWP-1) in faecal specimens.

Serazym® Stool Test Controls



Twice a year we are offering a set of stool test controls for the external quality check of the Serazym® Stool ELISA kits. The application form as well as further details about this service can be found at VIROTECH Diagnostics website.

Product/Format	Order No.	Features
Serazym® Stool test control Adenovirus 2 x 400µl	HW/EK-017	Controls with unknown result, twice a year.
Serazym® Stool test control Astrovirus 2 x 400µl	HW/EK-045	Controls with unknown result, twice a year.
Serazym® Stool test control Campylobacter 2 x 400µl	HW/EK-093	Controls with unknown result, twice a year.
Serazym® Stool test control C. difficile Toxin A+B 2 x 400µl	HW/EK-040	Controls with unknown result, twice a year.
Serazym® Stool test control Clostridium difficile GDH 2 x 400µl	HW/EK-107	Controls with unknown result, twice a year.
Serazym® Stool test control Cryptosporidium parvum 2 x 400µl	HW/EK-039	Controls with unknown result, twice a year.
Serazym® Stool test control Entamoeba histolytica 2 x 400µl	HW/EK-018	Controls with unknown result, twice a year.
Serazym® Stool test control Giardia 2 x 400µl	HW/EK-106	Controls with unknown result, twice a year.
Serazym® Stool test control H. pylori 2nd Gen. 2 x 400µl	HW/EK-114	Controls with unknown result, twice a year.
Serazym® Stool test control Norovirus 2 x 400µl	HW/EK-061	Controls with unknown result, twice a year.
Serazym® Stool test control Rotavirus 2 x 400µl	HW/EK-020	Controls with unknown result, twice a year.
Serazym® Stool test control Verotoxin 1+2 2 x 400µl	HW/EK-030	Controls with unknown result, twice a year.

Calpro AS – CalproLab™



The GSD Group has formed a strategic partnership with Calpro AS for the distribution of some of their Calpro products in Germany and Latin America only. The offer comprises laboratory tests based on ELISA technology for the detection of calprotectin on faecal samples, and an extraction device for laboratory use. Benefit from fully automated Calprotectin ELISA analysis, with easy extract and no manual sample handling required.

Product	Format	Order No.	Features
CalproLab ELISA ALP	96 tests	CALP0170	Complete ELISA IVD kit with break-apart wells. Quantitative method for the determination of Calprotectin in stool samples that uses ALP for signaling.
CalproLab ELISA HRP	96 tests	CALP0270	Complete ELISA IVD kit with break-apart wells. Quantitative method for the determination of Calprotectin in stool samples that uses HRP for signaling.
Calpro EasyExtract	50 pcs	CAL0510	Pre-filled extraction device with buffer with minimum handling.

GSD

SIMPLIFY YOUR LABORATORY EXPERIENCE

GOLD STANDARD DIAGNOSTICS INC.

Gold Standard Diagnostics provides comprehensive diagnostic solutions that improve lab efficiency and minimize overall costs. Through an innovative suite of instruments and outstanding customer service, we solve real laboratory problems.

GSD designs and manufactures a number of proprietary instruments for the clinical diagnostics market, including the ThunderBolt, the AIX1000, and The Bolt.

Each instrument is manufactured in the USA at the Gold Standard Diagnostics facility in Davis, California. From sub-assembly to finished good, burn-in and quality control testing, all steps of instrument production are completed in house by a dedicated team of engineers, technicians, and production specialists.



Instruments

ELISA and Chemiluminescence,
RPR Agglutination Immunoblot



Services

Lab Support, Product
Development, Engineering

- Powerful automation
- Ultimate flexibility
- Precise, compact, cost efficient instruments
- Outstanding support and customer service
- Seamless lab experience
- Low total cost of ownership for instrumentation, consumables, customer support
- Innovative, industry-leading instruments: The Bolt, ThunderBolt, AIX1000



THUNDERBOLT®

EIA & Chemiluminescence Analyzer - fully automated for all ELISA & CLIA protocols

The ThunderBolt® is an innovative 2-plate, fully automated, open platform, that can run ELISA and Chemiluminescence (CLIA) assays. This walk-away instrument was designed to simplify your laboratory experience, increase your productivity, and reduce your waste.

- Slide-in racks with positive sample identification
- Simple workflow software that guides you through the process
- Designed to suit different laboratory demands
- High sample loading capacity: 192 primary sample tubes
- Capable of running many different protocols in a single batch
- On-board camera allows remote troubleshooting
- No disposable tips, minimal consumables, direct in-well dilution (up to 1:100)
- Occupies minimal bench space

Technical Specifications



CAPACITY	
Sample Capacity	12 racks of 16 samples. Up to 192 samples total
Reagent Capacity	2 racks of 7 reagents. Up to 14 reagents total
MTP Positions	2 positions
Pre-dilution MTP Positions	1 position
Wash Buffer	2 x 1L external wash bottle positions
Liquid Waste	1 x 2L external waste bottle position
WORKLIST SET-UP	
Sample Loading	Slide-In Racks w/ barcode reading & positive sample identification
Test Tube Size(s)	Accepts from 12 to 16 mm diameter, up to 100 mm tall (custom racks available)
Reagent Loading	Slide-In Racks w/ adapters for most commonly used bottles
Reagent bottle size(s)	22-42 mm diameter bottles accepted (custom bottle adapters available)
On-Board Barcode Reader	Code 128, Code 39, Extended Code 39, EAN-13 (+2, +5), EAN-8, Interleaved 2 of 5, UPC-A (+2, +5), UPC-E, PDF-417, Codabar, QR Code, Data Matrix
LIQUID HANDLING	
Probe/Needle	Single probe, dual needle
Probe tip	Fixed needle, Washable stainless steel
Liquid level detection	Conductivity
Aspiration Volume Range	1 µl - 400 µl with ≤ 3% CV
Dispense Volume Range	25 µl - 300 µl
HARDWARE	
Incubator technology	Forced convection to eliminate "edge effect"
MTP Positions & Temperature	2 positions. Room temperature to 40 °C
Spectrophotometer	5 filters: 405, 450, 490, 550 and 630 nm wavelengths standard (custom available), Linear Range 0 to 3.0 OD
Photomultiplier Tube (PMT)*	Detection type: glow chemiluminescence, Spectral range: 300-500 nm, Dark count: 50 counts per second (standard), Measuring time: 200 ms (adjustable 1 to 1000 ms), Dynamic range: 6 decades (*optional configuration)
Orbital MTP Shaker	Amplitude: 1 mm, Speed: Up to 900 RPM, 3 MTP (2 reaction, 1 predilution)
SOFTWARE	
Language	Multi-language support
User Interface	MS Windows 10 Graphical User Interface
Instrument Manager	Independent well tracking and timing. Results review; In-process controls & maintenance prompts
Data Server	Database of results, maintenance logs, lot/expiry information, etc. Connects multiple instruments and consolidates data LIS integration: Bi-directional, RS232, USB, TCP/IP
Test Designer	Fully open and configurable test protocols
GENERAL INFORMATION	
Ordering No.	00300 (ELISA); 00300-CL (ELISA+CLIA)
Power Specifications	Voltage: 100-265V, Frequency: 50-60Hz, Consumption: 12W w/o incubator, 120W max
Dimensions	W: 64 cm, D: 57 cm, H: 45 cm (W: 25.2 in, D: 22.5 in, H: 17.7 in), H (open): 91.5 cm (36 in)
Weight	30 kg (65 lbs)
CE Marked	Yes



THE BOLT™

EIA & Chemiluminescence Analyzer - fully automated for all ELISA & CLIA protocols

The fully-automated one-plate processing, modular design – The Bolt shares many features of the ThunderBolt, but with a more customizable, lower throughput, cost-effective design.

The Bolt is a compact machine that provides all of the tools for processing ELISA or CLIA assays in a cost-effective package.

- Program any EIA or CLIA protocol
- Intuitive user interface
- Space saving design - fits standard 60 cm lab bench
- 96 sample capacity
- High precision syringes
- Exterior status indicator light
- LIS connectivity
- Competitive pricing
- Low consumable costs
- No disposable tips

Technical Specifications



CAPACITY	
Sample Capacity	1 rack of 96 samples
Reagent Capacity	1 rack of 9 reagents
MTP Positions	1 position
Pre-dilution MTP Positions	1 position
Wash Buffer	2 x 1L external wash bottle positions
Liquid Waste	1 x 2L external waste bottle position
WORKLIST SET-UP	
Sample Loading	Single probe, dual needle
Test Tube Size(s)	Fixed needle, Washable stainless steel
Reagent Loading	Conductivity
Reagent bottle size(s)	1 µl - 400 µl with ≤ 3% CV
Barcode Reader	25 µl - 300 µl
LIQUID HANDLING - Modular design for customized configuration	
Probe Assembly	Single probe, dual needle
Probe tip	Fixed needle, Washable stainless steel
Liquid level detection	Conductivity
Aspiration Volume Range	1 µl - 400 µl with ≤ 3% CV
Dispense Volume Range	25 µl - 300 µl
HARDWARE	
Incubator technology	Forced convection to eliminate "edge effect"
MTP Positions & Temperature	1 position. Room temperature to 40 °C
Spectrophotometer	5 filters: 405, 450, 490, 550 and 630 nm wavelengths standard (custom available), Linear Range 0 to 3.0 OD
Photomultiplier Tube (PMT)	Detection type: glow chemiluminescence, Spectral range: 300-500 nm, Dark count: 50 counts per second (standard), Measuring time: 200 ms (adjustable 1 to 1000 ms), Dynamic range: 6 decades
Orbital MTP Shaker	Amplitude: 1 mm, Speed: Up to 900 RPM, 2 MTP (1 reaction, 1 predilution)
SOFTWARE	
Language	Multi-language support
User Interface	MS Windows 10 Graphical User Interface
Instrument Manager	Independent well tracking and timing. Results review. In-process controls & maintenance prompts
Data Server	Database of results, maintenance logs, lot/expiry information, etc. Connects multiple instruments and consolidates data LIS integration: Bi-directional, RS232, USB, TCP/IP"
Test Designer	Fully open and configurable test protocols
GENERAL INFORMATION	
Ordering No.	00500 (ELISA); 00500-CL (ELISA+CLIA)
Power Specifications	Voltage: 100-265V. Frequency: 50-60Hz. Consumption: 12W w/o incubator, 120W max
Dimensions	W: 48.3 cm, D: 53.3 cm, H: 55.8 cm (W: 19 in, D: 21 in, H: 22 in)
Weight	27 kg (60 lbs)
CE Marked	Yes



AIX1000®

Fully Automated RPR for Syphilis Serology

The AIX1000 is an FDA cleared, fully automated system for nontreponemal, rapid plasma reagin (RPR) testing. Simply load reagents, up to 192 samples, and walk away. The AIX1000 automates the processing, and archiving for RPR screens and semi-quantitative titers.

- Cost Effective & Efficient**
 Reduce the amount of labor overhead dedicated to RPR testing, freeing personnel to increase productivity across laboratory operations.
- Fully Automated**
 The RPR test procedure and results interpretation are fully automated. Reduce variation associated with manual testing & interpretation.
- Performs Screens & Titters.**
 Run flexible batch sizes of up to 192 samples in 90 minutes. The AIX1000 automates RPR screens and titers, eliminating the need for manual pipetting.
- Easy Access to Results.**
 Images of each RPR test result are stored digitally and are retrievable on demand for review any time

Technical Specifications



CAPACITY	
Sample Capacity	3 racks of 64 samples. Up to 192 samples total
Reagent Capacity	1 rack of 4 reagent positions and 2 control positions
MTP Positions	4 positions (4 reaction plates for screens, 3 reaction plates and 1 predilution plate for titers)
WORKLIST SET-UP	
Sample Loading	Intelligent Racks w/ barcode reading & positive sample identification
Test Tube Size(s)	Accepts 12, 13, and 16 mm diameter, up to 100 mm tall (custom racks available)
On-Board Barcode Reader	Code 128, code39, interleaved 2 of 5, code 93, code 2 of 5, IATA code 2 of 5, matrix 2 of 5, code 11, telepen, UPC A, UPC E, EAN 13, EAN 8, MSI, Plessey, codabar, RSS-14, RSS-14 Limited, RSS-14 Expanded, China Post Code, and PDF417.
LIQUID HANDLING	
Probe Assembly	Single probe, dual needle system
Probe tip	Fixed needle, washable stainless steel
Liquid level detection	Conductivity
Titer Range	1:1 to 1:256
HARDWARE	
Image capture	Probe-mounted camera takes high resolution images to provide photographic measurement and analysis of agglutination
LED Backlights	Long-life lighting to support high-contrast images
Orbital MTP Shaker	Amplitude: 10 mm, Speed: Up to 400 RPM, 4 MTP
Stirrer	Integrated into the reagent rack to stir the Antigen Suspension. Speed up to 400 RPMs
SOFTWARE	
Language	Multi-language support
User Interface	MS Windows 10 Graphical User Interface
Instrument Manager	Proprietary image recognition algorithm. Independent well tracking and timing. Results review. In-process controls & maintenance prompts
Data Server	Database of results, maintenance logs, lot/expiry information, etc. Connects multiple instruments and consolidates data, LIS integration: Bi-directional, RS232, USB, TCP/IP
GENERAL INFORMATION	
Ordering No.	00400
Power Specifications	Voltage: 100-265V. Frequency: 50-60Hz. Consumption: 12W w/o incubator, 120W max
Dimensions	W: 64 cm, D: 57 cm, H: 45 cm (W: 25.2 in, D: 22.5 in, H: 17.7 in), H (open): 91.5 cm (36 in)
Weight	30 kg (65 lbs)
CE Marked	Yes/ Yes



GSD B007.0222-EN

