

OEM

Biomaterials Catalog

Living Immunoassay Excellence



werfen

Werfen is a growing, family-owned, innovative company founded in 1966 in Barcelona, Spain.

Our OEM Technology Center has consolidated experience in research, development and manufacturing of customized assays and biomaterials.

We offer end-to-end solutions for the IVD industry with the most innovative capabilities to enhance competitiveness and time-to-market.

Our mission is to become your partner of choice as a center of excellence in providing innovative end-to-end OEM solutions (products & services) to IVD companies.



Innovation

Our OEM Technology Center ranks among the top centers of excellence for immunoassay and biomaterial development and manufacturing in the industry. Our focus on technological advances ensures our customers access to state-of-the-art R&D and manufacturing capabilities. Werfen's innovative nature is strengthened through close relationships with prestigious universities and biotechnology research centers around the world.

Operational Excellence

Our key strength is the combination of the ongoing effort to improve our organizational processes, products and services with the Werfen mindset that embraces principles and tools to create a sustainable partnership with our customers and employees. Our Quality System is certified to ISO 13485:2016 / EN ISO 13485:2016 as well as MDSAP.

Commitment

Customers and patients benefit from the efficiency of a talented global team of qualified and specialized professionals who lend their enthusiasm, dedication and energy on a daily basis in order to provide high quality products & services.



Biomaterials for Diagnostic use

Werfen offers a broad range of biomaterials, including antigens, antibodies, obtained by following validated standards of quality procedures. Those procedures ensure the traceability, reproducibility and robustness of every single product. Our expertise is attested to by more than 200 biomaterials that are being used in diagnostic technologies.

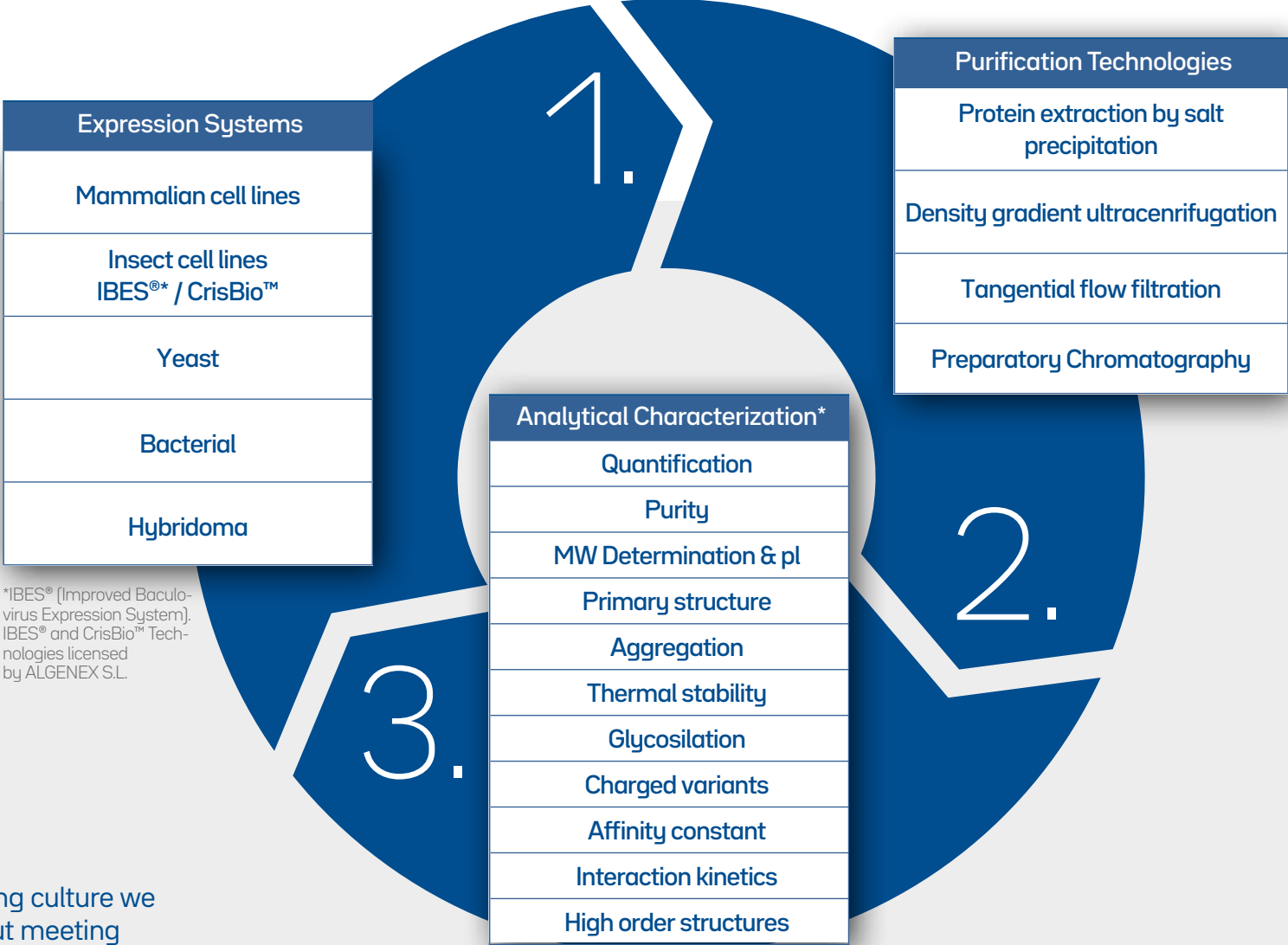
Our know-how in biomaterials is focused in their application in commercial diagnostic assays that provides a low-risk, reliable and highly successful option for our customers to reduce time to market in their developments and secure their operations.

Acronym List

A ₂₈₀	Absorbance at 280 nm
Ab	Antibody
Ag	Antigen
ASO	Anti-Streptolysin O
CL	Chemiluminescence
CRP	C-Reactive Protein
ELISA	Enzyme-Linked ImmunoSorbent Assay
HBV	Hepatitis B Virus
HCV	Hepatitis C Virus
HEPES	N-2-hydroxyethylpiperazine-N-2-ethane sulfonic acid

HPLC	High Performance Liquid Chromatography
IBES	Improved Baculovirus Expression System
IVD	In Vitro Diagnostics
mAb	Monoclonal Antibody
NTE	NaCl-Tris-EDTA buffer
pAb	Polyclonal Antibody
Rec	Recombinant
PBS	Phosphate-Buffered Saline

Biomaterials Manufacturing Capabilities



Thanks to our OEM partnering culture we have a vast experience about meeting our customers needs and their regulatory requirements in order to commercialize their products worldwide.

*This table compiles all the available analytical characterization methodologies. Depending on the biomaterial, there are methodologies applied on routine or upon request



Werfen is your OEM partner with state-of-the-art manufacturing capabilities to have the supply of your critical biomaterials that cover your demand needs in a continuous, reliable and low-risk manner securing your operations.

CAPABILITIES

- 35,000 m² [376,736 ft²] facilities which 9,200 m² [99,000 ft²] dedicated to production activities
- Extensive manufacturing scale-up capabilities
- Biosafety level 2 laboratories
- Positive and negative pressurized laboratories
- State-of-the-art equipment: Bioreactors, AKTA Systems among others
- ISO 8 classified areas for production and filling
- Production under GMP's procedures
- Production under Lean manufacturing
- 5S methodology implemented in all the production areas
- Final QC functional and physicochemical analysis

Biomaterials Applications*

Hepatitis B		Chemiluminescence	ELISA	Turbidimetry	Rapid Test
	Native Antigens p. 8				
	Hepatitis B Surface Antigen (ad Subtype)	●	●		
	Hepatitis B Surface Antigen (ay Subtype)	●	●		
	Recombinant Antigens p. 9				
	Recombinant HBs Antigen (ad Subtype)				
	Recombinant HBc Antigen	●	●		
	Polyclonal Antibodies p. 10				
	Anti-HBs Goat IgG pAb	●	●		
	Anti-HBs Guinea Pig IgG pAb	●	●		
	Monoclonal Antibodies p. 11				
	Anti-HBs mAb [1DE2]				
Hepatitis C					
	Recombinant Antigens p. 12				
	Recombinant HCV Capsid Polypeptide	●	●		
	Recombinant HCV NS3 Polypeptide		●		
Syphilis					
	Recombinant Antigens p. 14				
	Recombinant p15 [II] <i>Treponema pallidum</i> Ag	●	●		
	Recombinant p17 <i>Treponema pallidum</i> Ag	●	●		
	Recombinant p47 <i>Treponema pallidum</i> Ag	●	●		
	Recombinant H-p17 <i>Treponema pallidum</i> Ag	●	●		
	Recombinant H-p47 <i>Treponema pallidum</i> Ag	●	●		
Rubella					
	Native Antigens p. 16				
	Rubella Antigen Grade A	●	●	●	
	Rubella Antigen Grade B				●
Cytomegalovirus					
	Native Antigens p. 17				
	Cytomegalovirus Antigen	●	●		

*Please note that this table is merely indicative. Other uses may be applicable depending on customer needs. For further technical information or requests please contact OEM@werfen.com.

Biomaterials Applications*

Herpes		Chemiluminescence	ELISA	Turbidimetry	Rapid Test
	Recombinant Antigens p. 18				
	Recombinant gG1 Protein HSV-1	●	●		
	Recombinant gG2 Protein HSV-2	●	●		
Rotavirus					
	Polyclonal Antibodies p. 19				
	Anti-Rotavirus Rabbit IgG pAb		●		●
Adenovirus					
	Monoclonal Antibodies p. 20				
	Anti-Adenovirus mAb [2/6]		●		●
	Anti-Adenovirus mAb [20/11]		●		●
Parvovirus B19					
	Recombinant Antigens p. 21				
	Parvovirus B19 recombinant antigens VP1 & VP2	●	●		
Inflammation					
	ASO p. 22				
	Recombinant Antigens				
	Recombinant Streptolysin O			●	●
	Recombinant Streptolysin O Stabilized			●	●
	Polyclonal Antibodies				
	Anti-Streptolysin O Rabbit IgG pAb			●	●

*Please note that this table is merely indicative. Other uses may be applicable depending on customer needs. For further technical information or requests please contact OEM@werfen.com.

Infectious Diseases

Hepatitis B

The following products have been reported to work in the following applications. This information derives from use in commercial diagnostic assays and/or testing within our laboratories.

Hepatitis B	Chemiluminescence	ELISA	Turbidimetry	Rapid Test
Native Antigens				
Hepatitis B Surface Antigen (ad Subtype)	●	●		
Hepatitis B Surface Antigen (ay Subtype)	●	●		
Recombinant Antigens				
Recombinant HBs Antigen (ad Subtype)				
Recombinant HBs Antigen (ay Subtype)				
Recombinant HBc Antigen	●	●		
Polyclonal Antibodies				
Anti-HBs Rabbit IgG pAb		●		
Anti-HBs Goat IgG pAb	●	●		
Anti-HBs Guinea Pig IgG pAb	●	●		
Anti-rHBc Rabbit IgG pAb	●	●		
Monoclonal Antibodies				
Anti-HBs mAb [1DE2]				

Other uses may be applicable depending on customer needs. For further technical information or requests please contact OEM@werfen.com.

Native Antigens

Product Description	Presentation	Reference	Storage
Hepatitis B Surface Antigen (ad Subtype)	1 mg/vial	3000-5201	-20 °C**
Hepatitis B Surface Antigen (ad Subtype)	mg/custom size*	3000-5200	-20 °C**

*For large quantities, packaging available upon request - minimum size 5 mg/vial. **Avoid repeated freezing and thawing.

Specifications

Source	Human plasma
Storage Buffer	PBS pH 7.4
Purification Method	Ultracentrifugation
Protein Concentration	2-3 mg/mL (A_{280} / 3.726)
Preservative	No Preservative Added

Product Description	Presentation	Reference	Storage
Hepatitis B Surface Antigen (ay Subtype)	1 mg/vial	3000-5199	-20 °C**
Hepatitis B Surface Antigen (ay Subtype)	mg/custom size*	3000-5198	-20 °C**

*For large quantities, packaging available upon request - minimum size 5 mg/vial. **Avoid repeated freezing and thawing.

Specifications

Source	Human plasma
Storage Buffer	PBS pH 7.4
Purification Method	Ultracentrifugation
Protein Concentration	2-3 mg/mL (A ₂₈₀ / 3.726)
Preservative	No Preservative Added

Recombinant Antigens

Product Description	Presentation	Reference	Storage
Recombinant HBs Antigen (ad Subtype)	50 mg/custom size*	3000-5269	2-8 °C

*For large quantities, packaging available upon request - minimum order 50 mg and minimum size 5mg/vial.

Specifications

Source	<i>Pichia pastoris</i>
Storage Buffer	Tris-HCl pH 8.0
Purification Method	Immunoaffinity Chromatography
Protein Concentration	0.8-1.5 mg/mL (Lowry Method)
Preservative	No Preservative Added

Product Description	Presentation	Reference	Storage
Recombinant HBc Antigen	1 mg/vial	3000-5100	-20 °C**
Recombinant HBc Antigen	mg/custom size*	3000-5102	-20 °C**

*For large quantities, packaging available upon request - minimum size 5 mg/vial. **Avoid repeated freezing and thawing.

Specifications

Source	<i>Escherichia coli</i>
Storage Buffer	PBS pH 7.4
Purification Method	Ultracentrifugation
Protein Concentration	0.2-1.0 mg/mL (Lowry Method)
Preservative	No Preservative Added

Polyclonal Antibodies

Product Description	Presentation	Reference	Storage
Anti-HBs Goat IgG pAb	5 mg/vial	3000-5501	2-8 °C
Anti-HBs Goat IgG pAb	mg/custom size*	3000-5502	2-8 °C

*For large quantities, packaging available upon request - minimum size 10 mg/vial.

Specifications

Source	Goat Serum
Storage Buffer	Carbonate pH 9.5
Purification Method	Immunoaffinity Chromatography
Protein Concentration	1-3 mg/mL [A_{280} / 0.71]
Preservative	No Preservative Added

Product Description	Presentation	Reference	Storage
Anti-HBs Guinea Pig IgG pAb	5 mg/vial	3000-5264	2-8 °C
Anti-HBs Guinea Pig IgG pAb	mg/custom size*	3000-5265	2-8 °C

*For large quantities, packaging available upon request - minimum size 10 mg/vial.

Specifications

Source	Guinea Pig Serum
Storage Buffer	PBS
Purification Method	Immunoaffinity Chromatography
Protein Concentration	0.5-2.0 mg/mL [A_{280} / 0.78]
Preservative	< 0.1% Sodium Azide

Monoclonal Antibodies

Product Description	Presentation	Reference	Storage
Anti-HBs mAb (1DE2)	50 mg/custom size*	3000-5012	-70 °C**

*For large quantities, packaging available upon request - minimum order 50 mg and minimum size 5 mg/vial. **Avoid repeated freezing and thawing.

Specifications

Isotype	Mouse IgG1 Kappa
Source	Cell Culture
Storage Buffer	Citrate 0.1M pH 7.5
Purification Method	Affinity Chromatography
Protein Concentration	2-6 mg/mL ($A_{280} / 0.71$)
Preservative	No Preservative Added



Hepatitis C

The following products have been reported to work in the following applications. This information derives from use in commercial diagnostic assays and/or testing within our laboratories.

Hepatitis C		Chemiluminescence	ELISA	Turbidimetry	Rapid Test
Recombinant Antigens					
	Recombinant HCV Capsid Polypeptide	●	●		
	Recombinant HCV NS3 Polypeptide		●		

Other uses may be applicable depending on customer use. For further technical information or requests please contact OEM@werfen.com

Recombinant Antigens

Product Description	Presentation	Reference	Storage
Recombinant Hcv Capsid Polypeptide	mg/custom size*	3000-5103	-70 °C**

*For large quantities, packaging available upon request - minimum size 1 mg/vial. **Avoid repeated freezing and thawing.

Specifications

Source	<i>Escherichia coli</i>
Storage Buffer	Acetate NaCl pH 5.5
Purification Method	Ion Exchange Chromatography
Protein Concentration	0.5-2.0 mg/mL (A ₂₈₀)
Preservative	No Preservative Added

Product Description	Presentation	Reference	Storage
Recombinant HCV NS3 Polypeptide	mg/custom size*	3000-5104	-70 °C**

*For large quantities, packaging available upon request - minimum size 1 mg/vial. **Avoid repeated freezing and thawing.

Specifications

Source	<i>Escherichia coli</i>
Storage Buffer	Tris-HCl, NaCl pH 8.6
Purification Method	Affinity Chromatography
Protein Concentration	0.5-2.0 mg/mL (A ₂₈₀)
Preservative	No Preservative Added



Syphilis

The following products have been reported to work in the following applications. This information derives from use in commercial diagnostic assays and/or testing within our laboratories.

Syphilis	Antigen	Chemiluminescence	ELISA	Turbidimetry	Rapid Test
	Recombinant Antigens				
	Recombinant p15 [II] <i>Treponema pallidum</i> Ag	●	●		
	Recombinant p17 <i>Treponema pallidum</i> Ag	●	●		
	Recombinant p47 <i>Treponema pallidum</i> Ag	●	●		
	Recombinant H-p17 <i>Treponema pallidum</i> Ag	●	●		
	Recombinant H-p47 <i>Treponema pallidum</i> Ag	●	●		

Other uses may be applicable depending on customer needs. For further technical information or requests please contact OEM@werfen.com.

Recombinant Antigens

Product Description	Presentation	Reference	Storage
Recombinant p15 [II] <i>Treponema pallidum</i> Ag	mg/custom size*	3000-5289	-70 °C**

*For large quantities, packaging available upon request - minimum size 1 mg/vial. **Avoid repeated freezing and thawing.

Specifications

Tag	GST
Source	<i>Escherichia coli</i>
Storage Buffer	Tris-HCl, NaCl pH 8.0
Purification Method	Affinity Chromatography
Protein Concentration	3-7 mg/mL [$A_{280} \times 0.74$]
Preservative	No Preservative Added

Product Description	Presentation	Reference	Storage
Recombinant p17 <i>Treponema pallidum</i> Ag	mg/custom size*	3000-5280	-70 °C**

*For large quantities, packaging available upon request - minimum size 2 mg/vial. **Avoid repeated freezing and thawing.

Specifications

Tag	GST
Source	<i>Escherichia coli</i>
Storage Buffer	Tris-HCl, NaCl pH 8.0
Purification Method	Affinity Chromatography
Protein Concentration	8-12 mg/mL [$A_{280} \times 0.78$]
Preservative	No Preservative Added

Product Description	Presentation	Reference	Storage
Recombinant p47 <i>Treponema pallidum</i> Ag	mg/custom size*	3000-5284	-70 °C**

*For large quantities, packaging available upon request - minimum size 1 mg/vial. **Avoid repeated freezing and thawing.

Specifications

Tag	GST
Source	<i>Escherichia coli</i>
Storage Buffer	Tris-HCl, NaCl pH 8.0
Purification Method	Affinity Chromatography
Protein Concentration	4-6 mg/mL ($A_{280} \times 0.8$)
Preservative	No Preservative Added

Product Description	Presentation	Reference	Storage
Recombinant H-p17 <i>Treponema pallidum</i> Ag	mg/custom size*	3000-5254	-70 °C**

*For large quantities, packaging available upon request - minimum size 1 mg/vial. **Avoid repeated freezing and thawing.

Specifications

Tag	HIS
Source	<i>Escherichia coli</i>
Storage Buffer	Tris-HCl, NaCl pH 8.0
Purification Method	Metal Affinity Chromatography
Protein Concentration	2-5 mg/mL ($A_{280} \times 1.38$)
Preservative	No Preservative Added

Product Description	Presentation	Reference	Storage
Recombinant H-p47 <i>Treponema pallidum</i> Ag	mg/custom size*	3000-5263	-70 °C**

*For large quantities, packaging available upon request - minimum size 1 mg/vial. **Avoid repeated freezing and thawing.

Specifications

Tag	HIS
Source	<i>Escherichia coli</i>
Storage Buffer	Tris-HCl, NaCl pH 8.0
Purification Method	Metal Affinity Chromatography
Protein Concentration	2-5 mg/mL ($A_{280} \times 0.91$)
Preservative	No Preservative Added

Rubella Virus

The following products have been reported to work in the following applications. This information derives from use in commercial diagnostic assays and/or testing within our laboratories.

Rubella		Chemiluminescence	ELISA	Turbidimetry	Rapid Test
	Native Antigens				
	Rubella Antigen Grade A	●	●	●	
	Rubella Antigen Grade B				●

Other uses may be applicable depending on customer needs. For further technical information or requests please contact OEM@werfen.com.

Native Antigens

Product Description	Presentation	Reference	Storage
Rubella Antigen Grade A	1 mg/vial	3000-5202	-70 °C**
Rubella Antigen Grade A	mg/custom size*	3000-5204	-70 °C**

*For large quantities, packaging available upon request - minimum size 5 mg/vial. **Avoid repeated freezing and thawing.

Specifications

Source	Tissue Culture [Virus Strain HPV-77]
Storage Buffer	Sucrose/SDS/NTE
Purification Method	Ultracentrifugation
Protein Concentration	0.5-1.5 mg/mL [Modified Warburg-Christian Method]
Preservative	No Preservative Added

Product Description	Presentation	Reference	Storage
Rubella Antigen Grade B	1 mg/vial	3000-5203	-70 °C**
Rubella Antigen Grade B	mg/custom size*	3000-5205	-70 °C**

*For large quantities, packaging available upon request - minimum size 5 mg/vial. **Avoid repeated freezing and thawing.

Specifications

Source	Tissue Culture [Virus Strain HPV-77]
Storage Buffer	Sucrose/SDS/NTE
Purification Method	Ultracentrifugation
Protein Concentration	0.1-0.5 mg/mL [Modified Warburg-Christian Method]
Preservative	No Preservative Added

Cytomegalovirus

The following products have been reported to work in the following applications. This information derives from use in commercial diagnostic assays and/or testing within our laboratories.

Cytomegalovirus	Chemiluminescence	ELISA	Turbidimetry	Rapid Test
Native Antigens				
Cytomegalovirus Antigen	●	●		

Other uses may be applicable depending on customer needs. For further technical information or requests please contact OEM@werfen.com.

Native Antigens

Product Description	Presentation	Reference	Storage
Cytomegalovirus Antigen*	mg/custom size*	3000-5260	-70 °C**

*For large quantities, packaging available upon request - minimum size 1mg/vial. **Avoid repeated freezing and thawing.

#Sonication is recommended prior to use

Specifications

Source	Tissue Culture
Storage Buffer	NTE pH 8.0
Protein Concentration	0.4-0.7 mg/mL (Modified Warburg-Christian Method)
Preservative	No Preservative Added

Herpes

The following products have been reported to work in the following applications. This information derives from use in commercial diagnostic assays and/or testing within our laboratories.

Herpes		Chemiluminescence	ELISA	Turbidimetry	Rapid Test
Recombinant Antigens					
	Recombinant gG1 Protein HSV-1	●	●		
	Recombinant gG2 Protein HSV-2	●	●		

Other uses may be applicable depending on customer needs. For further technical information or requests please contact OEM@werfen.com.

Recombinant Antigens

Product Description	Presentation	Reference	Storage
Recombinant gG1 Protein HSV-1*	0.5 mg/vial	3000-5288	-70 °C**
Recombinant gG1 Protein HSV-1*	mg/custom size*	3000-5279	-70 °C**

*For large quantities, packaging available upon request - minimum size 5 mg/vial. **Avoid repeated freezing and thawing.

#This product is manufactured using CrisBio™ technology from ALGENEX S.L

Specifications

Source	<i>Trichoplusia ni.</i>
Storage Buffer	HEPES, NaCl pH 7.5
Purification Method	Ion Exchange and Affinity Chromatography
Protein Concentration	0.5-2 mg/mL [$A_{280} \times 6.95$]
Preservative	No Preservative Added

Product Description	Presentation	Reference	Storage
Recombinant gG2 Protein HSV-2*	0.5 mg/vial	3000-5282	-70 °C**
Recombinant gG2 Protein HSV-2*	mg/custom size*	3000-5283	-70 °C**

*For large quantities, packaging available upon request - minimum size 5 mg/vial. **Avoid repeated freezing and thawing.

#This product is manufactured using CrisBio™ technology from ALGENEX S.L

Specifications

Source	<i>Trichoplusia ni.</i>
Storage Buffer	HEPES, NaCl pH 8.2
Purification Method	Ion Exchange and Affinity Chromatography
Protein Concentration	0.8-1.5 mg/mL [$A_{280} \times 5.45$]
Preservative	No Preservative Added

Rotavirus

The following products have been reported to work in the following applications. This information derives from use in commercial diagnostic assays and/or testing within our laboratories.

Rotavirus		Chemiluminescence	ELISA	Turbidimetry	Rapid Test
	Polyclonal Antibodies				
	Anti-Rotavirus Rabbit IgG pAb		●		●

Other uses may be applicable depending on customer use. For further technical information or requests please contact OEM@werfen.com.

Polyclonal Antibodies

Product Description	Presentation	Reference	Storage
Anti-Rotavirus Rabbit IgG pAb	5 mg/vial	3000-5525	-20 °C**
Anti-Rotavirus Rabbit IgG pAb	mg/custom size*	3000-5526	-20 °C**

*For large quantities, packaging available upon request - minimum size 10 mg/vial. **Avoid repeated freezing and thawing.

Specifications

Source	Rabbit Serum
Storage Buffer	PBS with potassium chloride pH 8.0
Purification Method	Precipitation and Ion Exchange Chromatography
Protein Concentration	5 - 15 mg/mL ($A_{280} \times 0.71$)
Preservative	0.05% Chloretone

Adenovirus

The following products have been reported to work in the following applications. This information derives from use in commercial diagnostic assays and/or testing within our laboratories.

Adenovirus		Chemiluminescence	ELISA	Turbidimetry	Rapid Test
Monoclonal Antibodies					
Anti-Adenovirus mAb [2/6]			●		●
Anti-Adenovirus mAb [20/11]			●		●

Other uses may be applicable depending on customer use. For further technical information or requests please contact OEM@werfen.com.

Monoclonal Antibodies

Product Description	Presentation	Reference	Storage
Anti-Adenovirus mAb [2/6]	50 mg/custom size*	3000-5113	-70 °C**

*For large quantities, packaging available upon request - minimum order 50 mg and minimum size 5 mg/vial. **Avoid repeated freezing and thawing.

Specifications

Isotype	Mouse IgG1 Kappa
Source	Cell Culture
Storage Buffer	Citrate pH 7.5
Purification Method	Affinity Chromatography
Protein Concentration	1-4 mg/mL ($A_{280} \times 0.71$)
Preservative	No Preservative Added

Product Description	Presentation	Reference	Storage
Anti-Adenovirus mAb [20/11]	50 mg/custom size*	3000-5114	-70 °C**

*For large quantities, packaging available upon request - minimum order 50 mg and minimum size 5 mg/vial. **Avoid repeated freezing and thawing.

Specifications

Isotype	Mouse IgG1 Kappa
Source	Cell Culture
Storage Buffer	Citrate pH 7.5
Purification Method	Affinity Chromatography
Protein Concentration	1-4 mg/mL ($A_{280} \times 0.71$)
Preservative	No Preservative Added

Parvovirus B19

The following products have been reported to work in the following applications. This information derives from use in commercial diagnostic assays and/or testing within our laboratories.

Parvovirus B19	Chemiluminescence	ELISA	Turbidimetry	Rapid Test
Recombinant Antigens				
Parvovirus B19 recombinant Ag VP1 & VP2	●	●		

Other uses may be applicable depending on customer use. For further technical information or requests please contact OEM@werfen.com

Recombinant Antigens

Product Description	Presentation	Reference	Storage
Parvovirus B19 VP1 & VP2 Recombinant Antigens	1 mg/vial	3000-5293	-70 °C**
Parvovirus B19 VP1 & VP2 Recombinant Antigens	mg/custom size*	3000-5292	-70 °C**

*For large quantities, packaging available upon request - minimum size 10 mg/vial. **Avoid repeated freezing and thawing.

#This product is manufactured using CrisBio™ technology from ALGENEX S.L.

Please contact OEM@werfen.com to have details on availability.

Specifications

Source	<i>Trichoplusia ni</i> .
Storage Buffer	Potassium Phosphate + KCl pH 8
Purification Method	Affinity Chromatography
Protein Concentration	0.15 - 1 mg/mL [A ₂₈₀]
Preservative	No Preservative Added

Inflammation

The following products have been reported to work in the following applications. This information derives from use in commercial diagnostic assays and/or testing within our laboratories.

Inflammation	Chemiluminescence	ELISA	Turbidimetry	Rapid Test
ASO				
Recombinant Antigens				
Recombinant Streptolysin O			●	●
Recombinant Streptolysin O Stabilized			●	●
Polyclonal Antibodies				
Anti-Streptolysin O Rabbit IgG pAb			●	●

Other uses may be applicable depending on customer use. For further technical information or requests please contact OEM@werfen.com.

ASO Recombinant Antigens

Product Description	Presentation	Reference	Storage
Recombinant Streptolysin O	mg/custom size*	3000-5258	-70 °C**

*For large quantities, packaging available upon request - minimum size 5 mg/vial. **Avoid repeated freezing and thawing.

Specifications

Source	<i>Escherichia coli</i>
Storage Buffer	Tris-HCl pH 8.5
Purification Method	Metal Affinity Chromatography
Protein Concentration	2-4 mg/mL ($A_{280} \times 0.79$)
Preservative	No Preservative Added

Product Description	Presentation	Reference	Storage
Recombinant Streptolysin O stabilized	mg/custom size*	3000-5259	-70 °C**

*For large quantities, packaging available upon request - minimum size 5 mg/vial. **Avoid repeated freezing and thawing.

Specifications

Source	<i>Escherichia coli</i>
Storage Buffer	Tris-HCl pH 8.2
Purification Method	Metal Affinity Chromatography
Protein Concentration	1-2 mg/mL [Lowry Method]
Preservative	No Preservative Added

Polyclonal Antibodies

Product Description	Presentation	Reference	Storage
Anti-Streptolysin O Rabbit IgG pAb	5 mL/vial	3000-5000	-20 °C*

*Avoid repeated freezing and thawing.

Specifications

Source	Rabbit Serum
Storage Buffer	Saline Solution
Purification method	Ammonium Sulphate Precipitation
Preservative	< 0.1% Sodium Azide

Living Immunoassay Excellence

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