

# SERION *immuno*CONTROL

## SERION ELISA *control*

## SERION ELISA AI *control*

### The easy way to secure your quality standards

Certification, competitive pressure, time constraints – laboratory medicine faces continuously increasing requirements.

Implementing a sound system of control values for quality assurance is becoming more challenging.

Virion\Serion external control samples are offering solutions for a stepwise and individual approach.

Improve your process reliability!

Enhance your internal quality management!

Conform to recommended practice!

### Technical Specifications



#### SERION *immuno*CONTROL

Origin: human serum

Form: lyophilized

Package size: 1x1 ml (after reconstitution)

Shelf life: 24 months as of production

Shelf life after reconstitution: 3 months (freezing possible)

Dilution: dependent on assay-specific dilution factor

Target value: positive antibody activity

#### SERION ELISA *control*

Origin: human serum

Form: liquid

Package size: 1x3 ml

Shelf life: 18 months as of production

Dilution: ready-to-use; pre-diluted for SERION ELISA *classic*

Target value: defined antibody activity in units (or international units, etc.)

#### SERION ELISA AI *control*

Origin serum: human serum

Origin CSF: human cerebrospinal fluid (CSF)

Form: lyophilized

Package size serum: 2x250 µl (after reconstitution)

Package size CSF: 2x500 µl (after reconstitution)

Shelf life: 18-24 months as of production

Shelf life after reconstitution serum: 3 months

Shelf life after reconstitution CSF: 6 weeks

Dilution: dependent on assay-specific dilution factor for CSF diagnostics

Target value: defined antibody index (AI) within pathological or non-pathological ranges

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Easy solutions for complex processes

# SERION Controls

SERION *immuno*CONTROL

Lyophilized positive control sera for qualitative antibody determination.

- Flexible use with SERION ELISA *classic* and other test systems<sup>1</sup>
- Convenient storage due to lyophilization
- Easy handling, analogous to patient samples on automats
- Single and multi controls available

Single controls					
Borrelia burgdorferi	IgG	IC1006	IgM	IC2006	
Chlamydia pneumoniae	IgG	IC1011			IgA IC3011
Chlamydia trachomatis	IgG	IC1012	IgM	IC2012	
Cytomegalovirus			IgM	IC2016	
Epstein-Barr Virus VCA	IgG	IC1022	IgM	IC2022	
Epstein-Barr Virus EBNA1	IgG	IC1023			
Helicobacter pylori	IgG	IC1027	IgM	IC2027	IgA IC3027
Herpes Simplex Virus 1/2			IgM	IC2028	
Measles Virus	IgG	IC1036	IgM	IC2036	
Mumps Virus	IgG	IC1037	IgM	IC2037	
Mycoplasma pneumoniae	IgG	IC1038	IgM	IC2038	
Parvovirus B19	IgG	IC1040	IgM	IC2040	
Rubella Virus			IgM	IC2042	
Toxoplasma gondii			IgM	IC2045	
Varicella Zoster Virus	IgG	IC1046	IgM	IC2046	
Multi controls					
Measles Virus + Mumps Virus	IgG	IC1301			
Parvovirus B19 + Varicella Zoster Virus	IgG	IC1302			
Toxoplasma gondii + Rubella Virus + Cytomegalovirus + Herpes Simplex Virus 1/2	IgG	IC1701			

<sup>1</sup> after validation by the user

SERION ELISA *control*

Ready-to-use positive control sera for the qualitative and quantitative antibody determination when using immunoassays of the SERION ELISA *classic* product line in accordance with modern quality guidelines.

- Easy handling through predilution
- Additional quality assurance by determination of methodology precision
- Laboratory internal error limits can be determined for increased quality control performance

Adenovirus	IgG	BC128G			IgA	BC128A
Aspergillus fumigatus	IgG	BC132G	IgM	BC132M	IgA	BC132A
Bordetella pertussis	IgG	BC120G			IgA	BC120A
Bordetella pertussis Toxin	IgG	BC1201G			IgA	BC1201A
Borrelia burgdorferi	IgG	BC121G	IgM	BC121M		
Brucella	IgG	BC116G	IgM	BC116M	IgA	BC116A
Campylobacter jejuni	IgG	BC139G	IgM	BC139M	IgA	BC139A
Candida albicans	IgG	BC117G	IgM	BC117M	IgA	BC117A
Chlamydia pneumoniae	IgG	BC1371G	IgM	BC1371M	IgA	BC1371A
Chlamydia trachomatis	IgG	BC1372G	IgM	BC1372M	IgA	BC1372A
Coxiella burnetii phase 2	IgG	BC1312G	IgM	BC1312M		
Coxsackievirus	IgG	BC134G	IgM	BC134M	IgA	BC134A
Cytomegalovirus	IgG	BC109G	IgM	BC109M		
Diphtheria	IgG	BC130G				
Echinococcus	IgG	BC107G				
Echovirus	IgG	BC135G	IgM	BC135M	IgA	BC135A
Enterovirus	IgG	BC133G	IgM	BC133M	IgA	BC133A
Epstein-Barr Virus VCA	IgG	BC1361G	IgM	BC1361M		
Epstein-Barr Virus EBNA1	IgG	BC1362G				
Epstein-Barr Virus EA	IgG	BC1363G				
Helicobacter pylori	IgG	BC118G	IgM	BC118M	IgA	BC118A
Herpes Simplex Virus 1/2	IgG	BC105G	IgM	BC105M	IgA	BC105A
Herpes Simplex Virus 1	IgG	BC1051G	IgM	BC1051M		
Herpes Simplex Virus 2	IgG	BC1052G	IgM	BC1052M		
Influenza A Virus	IgG	BC1231G	IgM	BC1231M	IgA	BC1231A
Influenza B Virus	IgG	BC1232G	IgM	BC1232M	IgA	BC1232A
Legionella pneumophila 1-7	IgG	BC106G	IgM	BC106M		
Leptospira	IgG	BC125G	IgM	BC125M		
Measles Virus	IgG	BC102G	IgM	BC102M		
Mumps Virus	IgG	BC103G	IgM	BC103M		
Mycoplasma pneumoniae	IgG	BC127G	IgM	BC127M	IgA	BC127A
Parainfluenza Virus	IgG	BC126G			IgA	BC126A
Parvovirus B19	IgG	BC122G	IgM	BC122M		
Respiratory Syncytial Virus	IgG	BC113G			IgA	BC113A
Rubella Virus	IgG	BC129G	IgM	BC129M		
TBE Virus	IgG	BC112G	IgM	BC112M		
Tetanus	IgG	BC108G				
Toxoplasma gondii	IgG	BC110G	IgM	BC110M		
Varicella Zoster Virus	IgG	BC104G	IgM	BC104M	IgA	BC104A
Yersinia	IgG	BC138G	IgM	BC138M	IgA	BC138A
Candida antigen		C200				

SERION ELISA AI *control*

Human CSF/serum control sample pairs for quality control in the determination of antibody indices (AI).

- Use of real CSF conforms with modern guideline requirements for patient analogue controls
- Defined target values and validity ranges enable complete validation of dilution, processing and calculations
- Complete coverage of medical decision range with pathological and non-pathological control pairs conforms with modern guidelines

non-pathological AI target values around 1.0				
Borrelia burgdorferi	IgG	CLS121G1	IgM	CLS121M1
Herpes Simplex Virus 1/2	IgG	CLS105G1		
Measles Virus	IgG	CLS102G1		
Rubella Virus	IgG	CLS129G1		
Varicella Zoster Virus	IgG	CLS104G1		
pathological AI target values > 1.5				
Borrelia burgdorferi	IgG	CLS121G2	IgM	CLS121M2
Herpes Simplex Virus 1/2	IgG	CLS105G2		
Measles Virus	IgG	CLS102G2		
Rubella Virus	IgG	CLS129G2		
Varicella Zoster Virus	IgG	CLS104G2		

