



# SERION Controls

Easy solutions for complex processes

serion\diagnostics  
*Your Partner in Infectious Serology*

# SERION ELISA *control*

Ready-to-use positive controls for the qualitative and quantitative antibody resp. antigen determination for immunoassays of the SERION ELISA *classic* and SERION ELISA *antigen* product line in accordance with modern quality guidelines.

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



SERION ELISA <i>control</i>						
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
Chikungunya Virus	IgG	BC148G	IgM	BC148M		
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		
Dengue Virus	IgG	BC114G	IgM	BC114M		
Dengue Virus superior			IgM	BC1141M		
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				
FSME/TBE Virus	IgG	BC112G	IgM	BC112M		
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		
Leishmania	IgG	BC147G				
Leptospira	IgG	BC125G	IgM	BC125M		
Masern/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
Röteln/Rubella Virus	IgG	BC129G	IgM	BC129M		
Tetanus	IgG	BC108G				
Toxoplasma gondii	IgG	BC110G	IgM	BC110M		
Varicella Zoster Virus	IgG	BC104G	IgM	BC104M	IgA	BC104A
West Nile Virus	IgG	BC141G	IgM	BC141M		
Yersinia	IgG	BC138G	IgM	BC138M	IgA	BC138A
Zika Virus	IgG	BC149G			IgA	BC149A
Candida Antigen		BC200				

# 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
- Single and multi controls available



## Single controls

Borrelia burgdorferi	IgG	IC1006	IgM	IC2006
Chlamydia pneumoniae	IgG	IC1011		
Chlamydia trachomatis	IgG	IC1012		
Cytomegalovirus			IgM	IC2016
Epstein-Barr Virus VCA	IgG	IC1022	IgM	IC2022
Epstein-Barr Virus EBNA1	IgG	IC1023		
Helicobacter pylori	IgG	IC1027		
Herpes Simplex Virus 1/2			IgM	IC2028
Masern/Measles Virus	IgG	IC1036	IgM	IC2036
Mumps Virus	IgG	IC1037	IgM	IC2037
Mycoplasma pneumoniae	IgG	IC1038	IgM	IC2038
Parvovirus B19	IgG	IC1040	IgM	IC2040
Röteln/Rubella Virus			IgM	IC2042
Varicella Zoster Virus	IgG	IC1046	IgM	IC2046

## Multi controls

Measles/Mumps Virus	IgG	IC1301		
Parvovirus B19/Varicella Zoster Virus	IgG	IC1302		
ToRCH 1/2	IgG	IC1701		

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

# 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		
Masern/Measles Virus	IgG	CLS102G1		
Röteln/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		
Masern/Measles Virus	IgG	CLS102G2		
Röteln/Rubella Virus	IgG	CLS129G2		
Varicella Zoster Virus	IgG	CLS104G2		



# SERION ELISA Avidity Control

Lyophilized control sera for avidity determination.

- Low avidity controls for the usage with SERION Avidity Reagent
- Convenient storage due to lyophilization
- Easy handling, analogous to patient samples



## SERION ELISA Avidity Control

Toxoplasma gondii	IgG	BR110AVID
Rubella Virus	IgG	BR129AVID
Cytomegalovirus	IgG	BR109AVID

# Technical Specifications



## **SERION ELISA *control***

**Origin:** human serum resp. positive material based on serum

**Form:** liquid

**Package size:** 1 x 3 ml

**Shelf life:** 24 months as of production

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

**Target value:** qualitative and quantitative antibody resp. antigen determination in units (or international units, etc.)

## **SERION *immunoCONTROL***

**Origin:** human serum

**Form:** lyophilized

**Package size:** 1 x 1 ml (after reconstitution)

**Shelf life:** 24 months as of production

**Dilution:** dependent on assay-specific dilution factor

**Shelf life after reconstitution:** 6 months at -20°C, 3 months at 2-8°C

**Target value:** positive antibody activity

## **SERION ELISA *AI control***

**Origin serum:** human serum

**Origin CSF:** human cerebrospinal fluid (CSF)

**Form:** lyophilized

**Package size serum:** 2 x 250 µl (after reconstitution)

**Package size CSF:** 2 x 500 µl (after reconstitution)

**Shelf life:** 24 months as of production

**Shelf life after reconstitution serum:** 3 months at 2-8°C

**Shelf life after reconstitution CSF:** 6 weeks at 2-8°C

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

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

## **SERION ELISA *Avidity Control***

**Origin serum:** human serum

**Form:** lyophilized

**Package size:** stated on the certificate of analysis (0,1 ml - 0,2 ml)

**Shelf life:** 10 years as of production

**Shelf life after reconstitution:** 6 weeks at 2-8°C

**Dilution:** stated on the certificate of analysis

**Target value:** defined Avidity Index in %

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