



SERION antigens

Bulk Antigens for Infectious Disease Diagnostics

Critical raw materials, such as antigens, are key factors for establishing reproducible and robust immunodiagnostic test systems. SERION Immunologics produces a variety of high-class infectious disease antigens for ELISA, lateral flow diagnostics (LFD), bead based assays (e.g. CLIA), as well as non-IVD applications.

SERION Immunologics has the capacity to produce antigens such as VZV, CMV or *Toxoplasma* in a multi-gram scale. The antigen production facilities are certified up to biosafety level 3 (BSL3) and

are DIN EN ISO 13485 controlled, ensuring highest quality standards. The product portfolio includes antigens isolated from pathogen cultivation, e.g. Measles, Mumps, *B. pertussis* (native antigens), or recombinant antigens (e.g. HSV, Parvovirus), altogether covering a range of more than 80 individual antigens that are produced on a routine basis. All this makes SERION antigens an ideal basis for the development and production of infectious disease kits and reagents.

Native Antigens

Antigen	Packaging	Order No.
Adenovirus Type 2 Hexon	1 mg	BA128VS
Aspergillus fumigatus	1 mL	BA132F01
Bordetella pertussis Filamentous Hemagglutinin (FHA)	1 mg	BA120VS3
Bordetella pertussis Toxin	1 mg	BA120VS4
Bordetella pertussis whole-cell Antigen	1 mg	BA120VS8
Borrelia afzelii	1 mg	BA121VS
Borrelia garinii	1 mg	BA121GVS
Brucella abortus	1 mg	BA116VS
Campylobacter jejuni	1 mg	BA139VS
Candida albicans	1 mg	BA117VS
Chlamydia abortus	1 mg	BA1373VSER
Chlamydia pneumoniae	1 mg	BA1371VSER
Chlamydia pneumoniae - Premium	1 mg	BA1371VS
Chlamydia trachomatis	1 mg	BA1372VSER
Cytomegalovirus (CMV)	1 mg	BA109VS
Diphtheria Toxoid	1 mg	BA130VS
Echinococcus granulosus	1 mg	BA107VS
Helicobacter pylori	1 mg	BA118VS
Herpes Simplex Virus 1 (HSV-1)	1 mg	BA1051VS
Herpes Simplex Virus 2 (HSV-2)	1 mg	BA1052VS
Legionella pneumophila	1 mg	BA1062VS

For inquiries please contact
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Antigen	Packaging	Order No.
Leptospira biflexa	1 mg	BA125VS
Measles Virus	1 mg	BA102VS
Measles Virus - Premium	1 mg	BA102VS-S
Mumps Virus	1 mg	BA103VS
Mycoplasma pneumoniae	1 mg	BA127VS
Parainfluenza Virus Type 1	1 mg	BA1261VS
Parainfluenza Virus Type 2	1 mg	BA1262VS
Parainfluenza Virus Type 3	1 mg	BA1263VS
Respiratory Syncytial Virus (RSV)	1 mg	BA113VS
Rotavirus	1 mg	BA1193VS
Tetanus Toxoid	1 mg	BA108VS
Tick-borne encephalitis (TBE) Virus	1 mg	BA112VSL
Tick-borne encephalitis (TBE) Virus - Premium	1 mg	BA112VS
Toxoplasma gondii	1 mg	BA110VS
Varicella Zoster Virus (VZV)	1 mg	BA104VS
Varicella Zoster Virus (VZV) Glycoprotein	1 mg	BA104VSG
Yersinia enterocolitica O:3 YOP	1 mg	BA138VS
Yersinia enterocolitica O:8 YOP	1 mg	BA13808VS
Yersinia enterocolitica O:9 YOP	1 mg	BA13809VS

All native antigens are verified to be pathogen inactivated and certified as non-infectious. Please let us know if you are interested in 0.25 mg test samples. 5 mg and 10 mg portions are just as possible as further customer-specific package sizes.

Recombinant Antigens

Antigen	Packaging	Order No.
Borrelia afzelii Pko DbpA	1 mg	BA121R01
Borrelia afzelii Pko OspC	1 mg	BA121R02
Chikungunya Glycoprotein E1	1 mg	BA148R2
Chikungunya Glycoprotein E1 (A226V)	1 mg	BA148R3
Chikungunya Glycoprotein E2	1 mg	BA148R1
Chlamydia trachomatis MOMP	1 mg	BA1372VSR2
Coxsackievirus	1 mg	BA134VS01
Cytomegalovirus (CMV) pp52 (UL44)	1 mg	BA109R01
Cytomegalovirus (CMV) gB (UL55)	1 mg	BA109R02
Cytomegalovirus (CMV) pp150 (UL32)	1 mg	BA109R03
Cytomegalovirus (CMV) pp130 (UL57)	1 mg	BA109R04
Cytomegalovirus (CMV) pp28 (UL99)	1 mg	BA109R05
Cytomegalovirus (CMV) pp65 (UL83)	1 mg	BA109R06
Cytomegalovirus (CMV) IE1 (UL123)	1 mg	BA109R07
Echovirus	1 mg	BA135VS01
Enterovirus	1 mg	BA133VS01
Epstein-Barr Virus (EBV) Capsid Antigen P18	1 mg	BA1361VSR22
Epstein-Barr Virus (EBV) Capsid Antigen P23	1 mg	BA1361VSR21
Epstein-Barr Virus (EBV) Early Antigen P138	1 mg	BA1363VSR6
Epstein-Barr Virus (EBV) Early Antigen P54	1 mg	BA1363P54VS
Epstein-Barr Virus (EBV) Nuclear Antigen EBNA1, P72	1 mg	BA1362VS
Epstein-Barr Virus (EBV) Nuclear Antigen EBNA1, P72 (stabilized)	1 mg	BA1362R01
Herpes Simplex Virus 1 (HSV-1) Glycoprotein G	1 mg	BA1051RVS-G
Herpes Simplex Virus 2 (HSV-2) Glycoprotein G	1 mg	BA1052RVS-G
Mycoplasma pneumoniae P1	1 mg	BA127VSP1
Parvovirus NS1	1 mg	BA122VSN51
Parvovirus PepA (VP1 unique)	1 mg	BA122VSP1A
Parvovirus PepB (VP2 C-term.)	1 mg	BA122VSP1B
Parvovirus PepC (VP1 N-term.)	1 mg	BA122VSP1C
Parvovirus PepD (VP1 C-term.)	1 mg	BA122VSP1D
Parvovirus VP1	1 mg	BA122VSP1

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Recombinant Antigens

Antigen	Packaging	Order No.
Parvovirus VP2	1 mg	BA122VSP1E
Parvovirus VP2 VLP	1 mg	BA122VSP2
Rubella Spike Ectodomain (E1-E2)	1 mg	BA129R01
SARS-CoV-2 Nucleoprotein	1 mg	BA400R04
SARS-CoV-2 Spike Ectodomain (S1-S2)	1 mg	BA400R03
Varicella Zoster Virus (VZV) Envelope Glycoprotein E	1 mg	BA104R02
Zika Virus NS1	1 mg	BA149R01

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