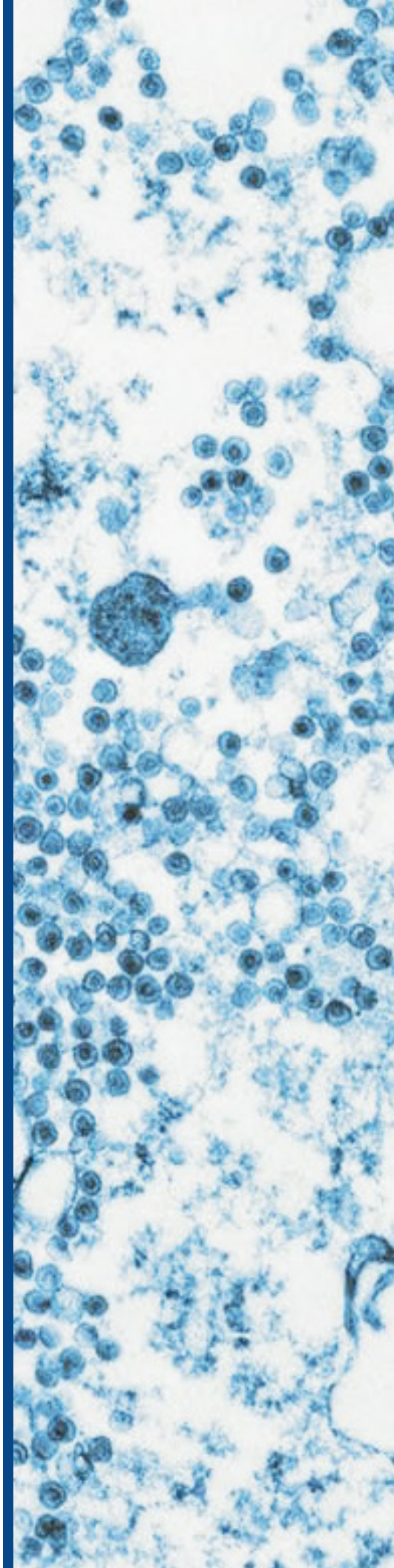


Product Catalog 2021



Molecular Products

| Quantitated PCR Controls (High Concentration) | Catalog No. |
|---|-------------|
| BK Virus (MM Strain) Quantitated Viral DNA | 08-942-250 |
| <i>Chlamydia trachomatis</i> LGV-II (434 Strain) Bacterial Quantitated DNA | 08-931-000 |
| <i>Chlamydomphila pneumoniae</i> (CDC-CWL-011 Strain) Bacterial Quantitated DNA | 08-932-250 |
| EBV (B95-8 Strain) Quantitated Viral DNA | 08-926-000 |
| HCMV (AD169 Strain) Quantitated Viral DNA | 08-925-000 |
| HHV-6A (GS Strain) Quantitated Viral DNA | 08-945-250 |
| HHV-6B (Z-29 Strain) Quantitated Viral DNA | 08-923-000 |
| HHV-7 (H7-4 Strain) Quantitated Viral DNA | 08-950-250 |
| HPV-16 Transformed Cell Quantitated DNA | 08-953-250 |
| HPV-18 Transformed Cell Quantitated DNA | 08-954-250 |
| HSV-1 (MacIntyre Strain) Quantitated Viral DNA | 08-921-000 |
| HSV-2 (G Strain) Quantitated Viral DNA | 08-922-000 |
| Human Adenovirus-5 Quantitated Viral DNA | 08-947-250 |
| JC Virus (MAD1 Strain) Quantitated Viral DNA | 08-943-250 |
| KSHV/HHV-8 (KS-1 Strain) Quantitated Viral DNA | 08-938-250 |
| <i>Legionella pneumophila</i> (Philadelphia-1 Strain) Quantitated Bacterial DNA | 08-955-250 |
| <i>Mycobacterium tuberculosis</i> (H37Rv Strain) Quantitated Bacterial DNA | 08-949-250 |
| <i>Mycoplasma pneumoniae</i> (M52 Strain) Quantitated DNA | 08-952-250 |
| <i>Neisseria gonorrhoeae</i> (NCTC 8375 [B 5025] Strain) Quantitated Bacterial DNA | 08-924-000 |
| <i>Toxoplasma gondii</i> (RH Strain) Quantitated DNA | 08-948-250 |
| Vaccinia (Lister Strain) Quantitated Viral DNA | 08-940-250 |
| VZV (Rod Strain) Quantitated Viral DNA | 08-927-000 |

| Virus Particle Count (VPC) | Catalog No. |
|---|-------------|
| HIV-1 (IIIB Strain) Purified Virus, UV-Inactivated, VPC | 20-118-200 |
| HIV-1 (IIIB Strain) Purified Virus, VPC | 19-118-200 |
| RSV-A (A2 Strain) Purified Virus, UV-Inactivated, VPC | 20-247-200 |

| Quantitated PCR Controls (Standard Concentration) | Catalog No. |
|--|-------------|
| <i>Chlamydia trachomatis</i> LGV-II (434 Strain) Bacterial qDNA | 17-931-500 |
| <i>Chlamydomphila pneumoniae</i> (CDC-CWL-011 Strain) Bacterial qDNA | 17-932-500 |
| Dengue-1 (Hawaii Strain) Quantitated Viral RNA | 23-271-108 |
| EBV (B95-8 Strain) Viral qDNA | 17-926-500 |
| HHV-6A (GS Strain) Viral qDNA | 17-945-500 |
| HIV-1 (IIIB Strain) Quantitated Viral RNA | 23-118-107 |
| HSV-1 (MacIntyre Strain) Viral qDNA | 17-921-500 |
| HSV-2 (G Strain) Viral qDNA | 17-922-500 |
| HTLV-I (MT-2 Strain) Quantitated Viral RNA | 23-112-106 |
| <i>Mycobacterium tuberculosis</i> (H37Rv Strain) Bacterial qDNA | 17-949-500 |
| <i>Mycoplasma pneumoniae</i> (M52 Strain) qDNA | 17-952-500 |
| <i>Neisseria gonorrhoeae</i> (NCTC 8375 [B 5025] Strain) Bacterial qDNA | 17-924-500 |
| RSV-A (A2 Strain) Quantitated Viral RNA | 23-247-108 |
| <i>Toxoplasma gondii</i> (RH Strain) qDNA | 17-948-500 |
| VZV (Rod Strain) Viral qDNA | 17-927-500 |
| Yellow Fever Virus (17D Strain) Quantitated Viral RNA | 23-294-107 |

| Quantitated Viral Load Controls | Catalog No. |
|--|-------------|
| HCMV (AD169 Strain) Quantitated Viral Load Control | T9-100-175 |
| HHV-6B (Z-29 Strain) Quantitated Viral Load Control | T9-105-175 |
| HSV-1 (MacIntyre Strain) Quantitated Viral Load Control | T9-108-175 |

| Standard PCR Controls | Catalog No. |
|---|-------------|
| Hepatitis C Viral RNA | 08-806-000 |
| HIV-1 (IIIB Strain) Infected Cell DNA | 08-707-000 |
| HIV-2 (NIH-Z Strain) Infected Cell DNA | 08-708-000 |
| HTLV-I (MT-2 Strain) Infected Cell DNA | 08-711-000 |
| HTLV-II (C3-44/Mo Strain) Infected Cell DNA | 08-710-000 |
| Human Adenovirus-2 Infected Cell DNA | 08-730-100 |

Infectious/Inactivated Products

| Purified Infectious Agents/Inactivated Infectious Agents | Catalog No. | | |
|--|---------------------------|---|---------------------------|
| <i>Chlamydia trachomatis</i> LGV-II (434 Strain) Heat-Inactivated Elementary Bodies | 10-265-000 | Human Influenza A/Hong Kong/8/68 (H3N2) Purified Virus | 10-201-500 |
| Dengue-1 (Hawaii Strain) Purified Viral Lysate | 10-272-000 | Human Influenza A/Mexico/4108/2009 (H1N1) Purified Virus (Swine-Origin) | 10-281-500 |
| EBV (B95-8 Strain) Purified Viral Lysate | 10-147-000 | Human Influenza A/New Caledonia/20/99 (H1N1) Purified Virus | 10-287-500 |
| EBV (B95-8 Strain) Purified Virus | 10-115-000/ 10-115-100 | Human Influenza A/PR/8/34 (H1N1) Purified Virus | 10-210-500 |
| FeLV (Thielen Strain) Purified Virus | 10-250-000 | Human Influenza A/PR/8/34 (H1N1) Purified Virus, UV-Inactivated | 10-273-500 |
| HCMV (AD169 Strain) Purified Viral Lysate | 10-144-000/ 10-144-100 | Human Influenza A/PR/8/34 (H1N1) Purified Virus, β -PL Inactivated | 10-267-500 |
| HCMV (AD169 Strain) Purified Virus, β -PL Inactivated | 10-275-500 | Human Influenza B/Lee/40 Purified Virus | 10-220-500 |
| HHV-6A (GS Strain) Purified Viral Lysate | 10-241-500 | KSHV/HHV-8 (KS-1 Strain) Purified Viral Lysate | 10-214-000 |
| HHV-6B (Z-29 Strain) Purified Viral Lysate | 10-172-000 | <i>Neisseria gonorrhoeae</i> (NCTC 8375 [B 5025] Strain) Heat-Inactivated Cells | 10-263-000 |
| HHV-7 (H7-4 Strain) Purified Viral Lysate | 10-213-000 | PCV2b Purified Virus | 10-288-000 |
| HIV-1 (Ba-L Strain) Direct Pelleted Virus (500X) | 10-177-250 | Reovirus-1 (Lang Strain) Purified Virus | 10-291-000 |
| HIV-1 (IIIB Strain) Direct Pelleted Virus (1000X) | 10-124-000/ 10-124-100 | RSV-A (A2 Strain) Direct Pelleted Virus (1000X) | 10-249-000/ 10-249-100 |
| HIV-1 (IIIB Strain) Purified Viral Lysate (in H9 Cells) | 10-119-000 | RSV-A (A2 Strain) Purified Viral Lysate | 10-248-000 |
| HIV-1 (IIIB Strain) Purified Viral Lysate (in Hut 78 Cells) | 10-121-000 | RSV-A (A2 Strain) Purified Virus | 10-247-000/ 10-247-100 |
| HIV-1 (IIIB Strain) Purified Virus | 10-118-000/ 10-118-100 | RSV-B (Wash/18537 Strain) Direct Pelleted Virus (1000X) | 10-290-000 |
| HIV-1 (MN Strain) Purified Viral Lysate | 10-189-100 | Rubella (HPV77 Strain) Purified Virus, UV-Inactivated | 10-270-000/ 10-270-100 |
| HIV-1 (MN Strain) Purified Virus | 10-188-000 | SIV (mac251 Strain) Purified Viral Lysate | 10-150-100 |
| HIV-1 (pHXB2D/IIIB Strain) Direct Pelleted Virus (500X) | 10-226-000/ 10-226-100 | SIV (mac251 Strain) Purified Virus | 10-149-000/ 10-149-100 |
| HIV-2 (NIH-Z Strain) Purified Viral Lysate | 10-128-000 | SRV-1 (Macaque Strain) Purified Viral Lysate | 10-153-000 |
| HIV-2 (NIH-Z Strain) Purified Virus | 10-127-000 | SRV-1 (Macaque Strain) Purified Virus | 10-152-000/ 10-152-100 |
| HSV-1 (MacIntyre Strain) Purified Viral Lysate | 10-145-000 | SRV-2 Purified Virus | 10-218-000 |
| HSV-1 (MacIntyre Strain) Purified Virus | 10-110-000 | SRV-5 Purified Virus | 10-223-000/ 10-223-100 |
| HSV-2 (G Strain) Purified Viral Lysate | 10-146-000 | <i>Toxoplasma gondii</i> (RH Strain) Purified Tachyzoites Lysate | 10-279-001/ 10-279-025 |
| HSV-2 (G Strain) Purified Virus | 10-111-000 | Vaccinia (Lister Strain) Purified Virus | 10-252-000 |
| HTLV-I (MT-2 Strain) Purified Viral Lysate | 10-113-000 | Vaccinia (Lister Strain) Purified Virus, UV-Inactivated | 10-253-000/ 10-253-100 |
| HTLV-I (MT-2 Strain) Purified Virus | 10-112-000/ 10-112-100 | Vaccinia (WR Strain) Purified Virus | 10-254-000 |
| Human Adenovirus-5 Purified Virus | 10-198-000 | Vaccinia (WR Strain) Purified Virus, UV-Inactivated | 10-255-000 |
| Human Influenza A/2/Japan/305/57 (H2N2) Purified Virus | 10-259-000 | VZV (Rod Strain) Purified Viral Lysate | 10-282-500 |
| Human Influenza A/2/Japan/305/57 (H2N2) Purified Virus, UV-Inactivated | 10-276-000 | VZV (Rod Strain) Purified Virus, UV-Inactivated | 10-283-500 |
| Human Influenza A/California/4/2009 (H1N1) Purified Virus (Swine-Origin) | 10-280-500 | | |
| Human Influenza A/California/4/2009 (H1N1) Purified Virus (Swine-Origin), UV-Inactivated | 10-285-500 | | |

| Virus Infected/Uninfected Cell Extracts | Catalog No. |
|---|---------------------------|
| EBV (P3HR1 Strain) Inactivated P3HR1 Cell Extract | 10-501-001/ 10-501-025 |
| HFS Uninfected Cell Extract | 10-505-001 |
| HIV-1 (IIIB Strain) Inactivated HuT 78 Cell Extract | 10-534-001/ 10-534-025 |
| HSV-1 (MacIntyre Strain) Inactivated Vero Cell Extract | 10-515-001 |
| HSV-2 (G Strain) Inactivated Vero Cell Extract | 10-516-001 |
| Rubeola/Measles (Edmonston Strain) Inactivated Vero Cell Extract | 10-518-025 |
| Vero Uninfected Cell Extract | 10-508-001 |
| VZV (Rod Strain) Inactivated Vero Cell Extract | 10-514-001/ 10-514-025 |

Immunobiology Products

| Antiviral Antibodies | Catalog No. |
|--------------------------------------|--------------------|
| Mouse MAb to KSHV/HHV-8 ORF59 | 13-211-100 |
| Rat MAb to KSHV/HHV-8 ORF 73 (LNA-1) | 13-210-100 |

| Blood Products | Catalog No. |
|---|---------------------------|
| Adult Human Elutriated Lymphocytes - Frozen | 07-212-001 |
| Adult Human Elutriated Monocytes - Frozen | 07-210-001/ 07-210-105 |
| Human AB+ Serum, Heat-Inactivated | P2-203-050 |
| Purified Human Interleukin-2 | 03-001-050 |

| Viral Proteins | Catalog No. |
|--|--------------------|
| EBV Nuclear Antigen-1 (EBNA-1) Recombinant Protein | 10-523-001 |
| HIV-1 (IIIB Strain) gp120 Purified Native Glycoprotein | 14-102-050 |
| HIV-1 (IIIB Strain) gp160 Purified Native Glycoprotein | 14-103-050 |
| HIV-1 (IIIB Strain) p24 Purified Native Protein | 14-101-050 |

Product Matrix

| Pathogen | Molecular | | | | Infectious | | Inactivated | | | Immunobiology | | |
|-------------------------------------|----------------------|-------------------------|-------------------------|--------------------------------|----------------------|----------------|-----------------------|-----------------------------|-----------------------|---------------|----------|---------|
| | Standard PCR Control | Quantitated DNA Control | Quantitated RNA Control | Quantitated Viral Load Control | Virus Particle Count | Purified Virus | Direct Pelleted Virus | Purified Virus, Inactivated | Purified Viral Lysate | Cell Extract | Antibody | Protein |
| Adenovirus-2 | ● | | | | | | | | | | | |
| Adenovirus-5 | | ● | | | ● | | | | | | | |
| BK Virus | | ● | | | | | | | | | | |
| <i>Chlamydia trachomatis</i> LGV-II | | ● | | | | | | | | | | |
| <i>Chlamydomphila pneumoniae</i> | | ● | | | | | | | | | | |
| Dengue-1 | | | ● | | | | | ● | | | | |
| EBV | | ● | | | ● | | | ● | ● | | | ● |
| FeLV | | | | | ● | | | | | | | |
| HCMV | | ● | | ● | | | ● | ● | | | | |
| HHV-6A | | ● | | | | | | ● | | | | |
| HHV-6B | | ● | | ● | | | | ● | | | | |
| HHV-7 | | ● | | | | | | ● | | | | |
| HIV-1 | ● | | ● | | ● | ● | ● | ● | ● | | | ● |
| HIV-2 | ● | | | | ● | | | ● | | | | |
| HPV-16/HPV-18 | | ● | | | | | | | | | | |
| HSV-1 | | ● | | ● | ● | | | ● | ● | | | |
| HSV-2 | | ● | | | ● | | | ● | ● | | | |
| HTLV-I | ● | | ● | | ● | | | ● | | | | |
| HTLV-II | ● | | | | | | | | | | | |
| Human Influenza (various strains) | | | | | ● | | ● | | | | | |
| JC Virus | | ● | | | | | | | | | | |
| KSHV/HHV-8 | | ● | | | | | | ● | | ● | | |
| <i>Legionella pneumophila</i> | | ● | | | | | | | | | | |
| <i>Mycobacterium tuberculosis</i> | | ● | | | | | | | | | | |
| <i>Mycoplasma pneumoniae</i> | | ● | | | | | | | | | | |
| <i>Neisseria gonorrhoeae</i> | | ● | | | | | | | | | | |
| Reovirus-1 | | | | | ● | | | | | | | |
| RSV-A | | | ● | ● | ● | ● | | ● | | | | |
| RSV-B | | | | | | ● | | | | | | |
| Rubeola/Measles | | | | | | | | | ● | | | |
| Rubella | | | | | | | ● | | | | | |
| SIV | | | | | ● | | | ● | | | | |
| SRV | | | | | ● | | | ● | | | | |
| <i>Toxoplasma gondii</i> | | ● | | | | | | | | | | |
| Vaccinia | | | | | ● | | ● | | | | | |
| VZV | | ● | | | | | ● | ● | ● | | | |
| Yellow Fever | | | ● | | | | | | | | | |

Visit our website for full list of products.

About Our Products

Getting the right viral reagents is essential for efficiently moving your project ahead, whether you're conducting research, developing a new pharmaceutical product or creating a diagnostic tool. Advanced Biotechnologies has spent more than 35 years perfecting processes for creating large lots of highly-pure and highly-concentrated reagents -- from common strains to extremely rare products no other manufacturer can supply. Manufactured on site, we know exactly what goes into every product and carefully control every step of the process. QC testing after a freeze-thaw cycle assures you that we analyze exactly what you are getting. We use our own pure material to produce our standard list of products.

Purified Infectious/Inactivated Agents

Some projects demand a high-purity concentrated virus, while others demand an infectious virus with a high titer. Some projects require inactivated purified virus. We offer our highly purified virus inactivated by different methods including UV-irradiation, Heat, and Triton-X100. Our Purified products assure the highest purity preparations, whatever your needs. All of our viral and bacterial preparations undergo rigorous quality control testing. Available reagents include purified virus, purified viral lysate, whole inactivated virus, and high-titer infectious virus preparations.

PCR Controls

Our DNA and RNA controls can be used as positive controls in nucleic acid amplification reactions. Quantitated controls can also be used to generate standard curves for quantitative PCR assays to determine the copy number of unknown samples. Nucleic acid is extracted from our highly-purified whole virus, virus infected cells, or cultured bacteria, then quantitated, allowing researchers to amplify or test any region of the genome* which is present in natural infections.

* with the exception of our BK and JC PCR Controls

Infectious Disease Antigens

Infectious disease antigens are carefully optimized and characterized to assure high sensitivity and strong specificity in a variety of antibody detection assay formats. In addition to virus infected cell extracts, we offer various uninfected cell extracts for use as negative controls. Antigen purification strategies vary according to each product.

Blood Products

Human blood derived products are offered for use in infectious disease research. Cryopreserved elutriated lymphocytes and monocytes/macrophages are prepared from single donor blood and may be purchased as frozen cell ampules. Other blood products such as Heat-Inactivated Human AB+ Serum and Purified Human Interleukin-2 are available as supplements for primary cell culture.

Native & Recombinant Viral Proteins

Our purified native viral proteins are whole viral antigens that have been immunoaffinity purified from clarified infected cell extracts. We offer purified native viral proteins from virus-infected cell culture, isolated from conditioned cell culture medium, inactivated by Triton X-100™, and then purified by immunoaffinity chromatography or reverse phase HPLC. Our EBNA-1 Purified Recombinant Protein is a full-length EBNA-1 gene cloned and produced in a Baculovirus protein expression system. EBNA-1 is then purified by ion-exchange chromatography.

Quantitated Viral Load Controls and VPC Products

Quantitated viral load controls and VPC products can be used in nucleic acid extraction and amplification processes alongside unknown samples to measure viral load and as a control to validate, monitor, and troubleshoot testing procedures. Quantitated viral load controls contain a known concentration of purified, whole virus particles suspended in a buffer appropriate for further dilution in the same matrix as the unknown sample.

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