

Characterized Disease State Plasma and Serum

SeraCare offers an extensive inventory of infectious and non-infectious characterized disease state (CDS) materials to meet your needs

We can source, grow, characterize, and process to meet a wide variety of reactivity profiles

Typical Applications for CDS Plasma and Serum

- Research and development (e.g., pre-clinical IVD)
- Development of test kit controls and calibrators
- Validation of assays, lot release
- Support for clinical trials

Features and Benefits

Our disease state collection ranks among the largest and most diverse. Materials can be:

- Grown and characterized in our ISO-certified labs to meet a wide variety of reactivity profiles
 - Available assays include: commercial and in-house methods, FDA licensed/cleared, and RUO tests for a wide range of antibodies, antigens, and nucleic acids
- Processed to meet your needs
 - Defibrination, delipidation, heat, chemical, and BPL/UV treatments
 - Bacteriostat and preservatives per your requirements
- Sourced to your specifications
 - Experienced in-house donor recruitment team with worldwide procurement and donor networks
 - Knowledgeable sales and customer service professionals to help define your requirements
- Available from both individual donors and pools, in quantities ranging from milliliters to liters



SeraCare can cultivate many infectious disease viruses from a patient sample

Drug susceptibility and toxicity, DNA sequencing and analysis, cell separation and characterization tests can also be performed

Pictured is a viral culturing procedure in our molecular biology lab

Inside, find details about our disease state materials and our wide range of specialty biologic products

On the back page, find a request form inviting you to describe your specific requirements



Quality is in our blood

Representative Sampling of Available Characterized Disease State Materials

- Additional disease states are available; inventory evolves constantly. Please inquire if your requirement is not found below
- SeraCare units of plasma and serum are ethically obtained from qualified plasma donors at FDA licensed and iQPP approved facilities. Institutional Review Board (IRB) approved collections are available¹

Infectious Disease Analytes²

Amebiasis	HBsAg (ad, ay)	Leptospira
Aspergillus	HBV DNA, Genotypes	Mononucleosis
<i>Bordetella Pertussis</i>	HCV (Ab, Ag, RNA)	Mumps (IgG, IgM)
<i>Candida</i>	HGV	Mycoplasma (IgG, IgM)
Chagas (anti- <i>T. cruzi</i>)	HIV-1 (p24 Ag, Ab)	Parvovirus
Chlamydia (IgA, IgG, IgM)	HIV-1 RNA (group M, O, subtypes, DRM ³)	Rubella (IgG, IgM)
CMV (IgG, IgM)	HIV-2 (Ab, RNA)	Rubeola (IgG, IgM)
EBV (VCA, EA, EBNA)	Human Papilloma Virus (HPV)	Rocky Mountain Spotted Fever
<i>Giardia</i>	Histoplasmosis	<i>S cerevisiae</i> (ASCA)
<i>H Pylori</i> (IgA, IgG, IgM)	HTLV-I, HTLV-II, HTLV I/II	Syphilis (RPR and anti- <i>Treponema</i>)
HAV (Total, IgG, IgM)	HSV-1 (IgG, IgM), HSV-2 (IgG, IgM)	Tetanus
HbC (Total, IgG, IgM)	Influenza A/B	Toxoplasmosis (IgG, IgM)
HBeAg, HBe	Legionella (IgG, IgM)	Varicella Zoster Virus (VZV) IgM
	Lyme (IgG, IgM)	West Nile Virus (IgM, IgG)

Autoimmune Disease Analytes²

C-ANCA	Parietal Cell	DNA / Histone
anti-Cardiolipin (IgG, IgM, IgA)	PM-Scl-70	dsDNA and ssDNA
Gliadin	Ribonucleoprotein	Tissue Transglutaminase
Jo-1	Smith	Multiple Sclerosis
Microsomal (TPO)	Smooth Muscle (AMSO)	Psoriasis
Mitochondrial (AMA)	Sjogren Syndrome anti-A (SSA)	Rheumatoid Arthritis (RF)
Nuclear Ab (ANA)	Sjogren Syndrome anti-B (SSB)	Systemic Lupus
	Thyroglobulin	

Other Conditions

Cancer/Oncology

Breast, Cervical, Colon,
Kidney, Lung, Myeloma,
Ovarian (CA-125), Prostate

Coagulation Factor

Low Factor V, VII, VIII
IX, X, XI, XII

Hematology

Anemia
(Pernicious or Sickle Cell)

Immune/Serology

Streptolysin O Ab (ASO)
Allergy RAST score
HLA
IgA, IgD, IgG, IgM,
IgE (allergen specific and total)

Inflammatory

Elevated CRP
B2 glycoprotein, RF
Osteoarthritis (joint)

Ob/Gyn

Pregnancy hCG (bulk)
Multiparous Females

Problematic Disease States

Interfering Substances:
(Lipemic, Icteric, Hemolyzed)
False Positives
False Negatives
Influenza Samples

(1) Characterized units collected from paid U.S. plasma donors require informed consent. Materials collected outside the U.S. may not have informed consent

(2) Analytes listed in the table are Ab+ unless otherwise noted

(3) DRM = Drug Resistance Mutations

Characterized Disease State Plasma and Serum

SeraCare is Your Resource for Difficult-to-Locate and Bulk Disease State Materials

- Difficult-to-locate materials are continuously sourced and inventoried in our state-of-the-art biobank, including:
 - False positives, false negatives, and interfering substances
 - HIV subtypes, including HIV Group O and HIV-2
 - HBV and HCV genotypes
- Bulk materials are available for manufacture into custom controls, panels, and calibrators
 - Custom packaging and fill sizes
- Products are supported by SeraCare's expertise in virology, serology, immunology, and molecular biology



Disease state samples from our large inventory are available to be processed inhouse

Processing options include defibrination, delipidation, heat, chemical and BPL/UV treatment (pictured)

Wide Range of Specialty Biologic Products Available

Animal Products | Cerebrospinal Fluid | Clinical Samples
Cord Blood | Normal Human Plasma and Serum | Platelets
Red Cells | Urine | Whole Blood | Cryopreserved PBMCs

Safety and Quality Profile

- SeraCare facilities are ISO 9001 and 13485 certified and comply with cGMP standards
- Complete donor traceability, documentation, and quality control
- Detailed Certificate of Analysis provided

Related SeraCare Products and Services

- SeraCon™ and Basematrix processed plasma and serum substitutes
- Plasma-derived reagents, molecular biomarkers, chromogens, and diagnostic controls
- Human serum albumin powders and solutions in therapeutic and diagnostic grades
- Bovine serum albumin in standard, reagent, and biotechnology grades
- Cryopreserved PBMCs, Leukopaks, ELISpot Assay Kits, CryoMedia™ Kits
- Sample management and testing services, clinical trial support, and contract research capability

Characterized Disease State Plasma and Serum

Information Request Form

For SeraCare Characterized Disease State (CDS) Materials

My Product Information Request

Product Description and Specifications Attached? Yes No

Disease State(s) _____

Type of product Plasma Serum
 Other _____

Please indicate your specific requirements, if any, for:

Age (specify) _____ Gender M F

Unique number of donors (specify) _____

Sample Size 1-2 mL 5 mL 10 mL
 >50 mL _____

Sample Evaluation Time 3 weeks (standard)
 Other _____

Negative for Virals (check all that apply) No virals

Anti-HIV-1 Anti-HIV-2 Anti-HBs

HBsAg Anti-HBc Anti-HCV

RPR HIV-1 Ag/NAT ATA

CMV Anti-HTLV I/II

Other _____

Additional Processing Required

BPL/UV treatment Heat treatment

Aseptic filtration Other _____

Delivery Timeframe

2-4 weeks 1-2 weeks Rush Other _____

First Order Quantity _____

Total Quantity Required _____

Additional Product Specifications (e.g., titer, preservative)

My Contact Information

Name _____

Title _____ Email _____

Organization _____

Street Address _____

City, State, Zip _____

Phone _____ Fax _____

My Interest In Related SeraCare Products

- Sample management and testing services, clinical trial support, contract research capability
- Plasma-derived reagents, molecular biomarkers, chromogens, and diagnostic controls
- SeraCon™ and Basematrix processed plasma and serum substitutes
- Human serum albumin powders and solutions in therapeutic and diagnostic grades
- Bovine serum albumin in standard, reagent, and biotechnology grades
- Cryopreserved PBMCs, Leukopaks, chromogens, ELISpot Assay Kits, CryoMedia™ Kits

My Completed Request Form will be sent by

Fax: 508.634.3334 Email: info@seracare.com

A customer service or sales representative should call



For more information or to place an order, contact SeraCare customer service at 800.676.1881, or visit our eCatalog at www.seracarecatalog.com

US Toll Free 800.676.1881 | 508.244.6400 | Fax 508.634.3394 | www.seracare.com | info@seracare.com