

Datasheet for D119-00-0100**Sterile Human Serum****Overview**

Description:	Sterile Human Serum - Neg for HIV-I antigens, HCV, STS and HBsAg by FDA Licensed tests. - D119-00-0100
Item No.:	D119-00-0100
Size:	100 mL
Applications:	Purification, WB
Origin:	Human

Product Details

Background:	Human Serum is used as a supplement to cell culture media. Human Serum provides a broad spectrum of macromolecules, carrier proteins for lipoid substances and trace elements, attachment and spreading factors, low molecular weight nutrients, and hormones and growth factors that promote cell growth and health. Be certain to maintain Good Cell Culture Practice, and maintain sterility of cultures that require media supplementation.
Synonyms:	Human serum for cell culture, cell culture grade Human serum, sterile serum from Human
Species of Origin:	Human

Application Details

Suggested Applications:	Purification, WB (Based on references)
Application Note:	pH: normal Immunoelectrophoresis: normal Hemoglobin: normal IgG Concentration: normal
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Tissue Data

Tissue Type:	Serum
Sex:	Mixed
Strain:	Adult

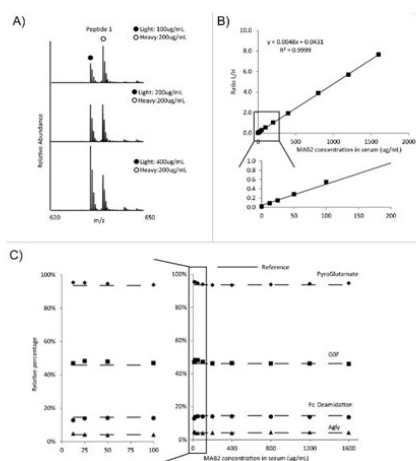
Formulation

Physical State:	Liquid
Concentration:	85 mg/mL by Refractometry
Buffer:	None
Sterility:	Sterile
Preservative:	None
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store container at -20° C prior to opening. Avoid cycles of freezing and thawing. Use aseptic technique to maintain sterility when opening product.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



ELISA

MS based quantitation of MAB2 purified from spike-in standards. Increasing amounts of MAB2, along with a constant amount of heavy MAB2 calibrant, were spiked into human serum (p/n D119-00-0050), and recovered by affinity purification for Lys-C peptide mapping with LC-MS. (A) Mass spectra of a representative peptide. (B) One representative standard curve. The standard curve was generated by plotting peak area ratios of light over heavy peptides against spike-in MAB2 concentration. (C) Relative levels of quality attributes of MAB2 purified from spike-in standards. The relative percentages of quality attributes of interests were plotted against spike-in MAB2 concentration. The dashed line represents the percentage of attributes in MAB2 reference sample and not subjected to affinity purification. Figure 2. PMID: 27216574.

Bottle

Human Serum is used as a supplement to cell culture media. Human Serum provides a broad spectrum of macromolecules, carrier proteins for lipid substances and trace elements, attachment and spreading factors, low molecular weight nutrients, and hormones and growth factors that promote cell growth and health. Be certain to maintain Good Cell Culture Practice, and maintain sterility of cultures that require media supplementation.



References

- Li, Y et al. Quantitation and pharmacokinetic modeling of therapeutic antibody quality attributes in human studies. *MAbs* (2016)
- Beck LA et al. Incorporation of a product of mevalonic acid metabolism into proteins of Chinese hamster ovary cell nuclei. *J Cell Biol.* (1988)

Disclaimer

No test method can provide total assurance that the hepatitis B virus, hepatitis C virus, human immunodeficiency virus, or any other infectious agents are absent. Thus, all blood products, including purified proteins derived from human blood sources, should be handled at Biosafety Level 2 as recommended by the CDC\NIH manual entitled Biosafety in Microbiological and Biomedical Laboratories for potentially infectious human serum, blood specimens or proteins derived from same. Source material for the human blood product supplied to your facility has been tested for the detection of HIV antibody, Hepatitis B surface antigen, antibody to Hepatitis C, HIV 1 antigen(s), antibody to HTLV - I/II, and syphilis by FDA guidelines. All units were found to be non-reactive/negative for these tests. All human blood source material is collected in FDA licensed centers and is tested with FDA approved test kits.

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.