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Datasheet for D314-05

Human Serum (Lyophilized)

Overview

Description:	HUMAN SERUM (Lyophilized) - D314-05
Item No.:	D314-05
Size:	5 mL
Applications:	Other
Origin:	Human

Product Details

Background:	Human Serum is used as a component of bioassays, immunoassays or enzyme assays. 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. Human serum is also available as a sterile preparation for use as a cell culture supplement.
Synonyms:	Human serum for bioassay, control human serum, non sterile serum from human, non-sterile human serum, human serum control
Species of Origin:	Human

Target Details

Purity/Specificity:	Human serum was prepared from normal serum by delipidation and defibrination. Assay by immunoelectrophoresis resulted in multiple precipitin arcs against anti-Human Serum.

Application Details

Suggested Applications:	Other (Based on references)
Application Note:	Human serum is suitable for use as a control or diluent in assays and most other immunological methods.
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

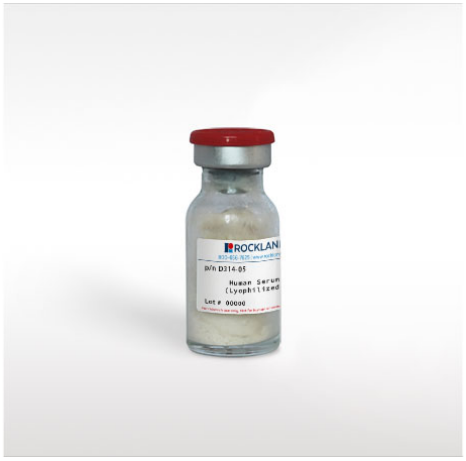
Formulation

Physical State:	Lyophilized
Concentration:	100 mg/mL by Refractometry
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Sterility:	Non-sterile
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None
Reconstitution Volume:	5.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Bottle
HUMAN SERUM (Lyophilized)

References

- Chism CM et al. Comprehensive evaluation of human and murine protein coronae formed on choline carboxylic acid ionic liquid-modified PLGA nanoparticles. *Bioconjug Chem.* (2026)
- Almeida Sá MCE, et al. How similar are humans and chimpanzees in expressed proteins as estimated by mass spectrometry-based serum proteomics? *Gene.* (2026)
- Bellows RA et al. Magnetic bead-based electrochemical surrogate virus neutralization test for quantification of antibody neutralizing efficiency. *Biosens Bioelectron.* (2025)
- Dasanayake GS et al. Glyco Ionic Liquids as Novel Nanoparticle Coatings to Enhance Triple-Negative Breast Cancer Drug Delivery. *Adv Healthc Mater.* (2025)
- Miller JJ et al. Structure-guided microbial targeting of antistaphylococcal prodrugs. *eLife.* (2021)

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.