

Certificate of Analysis

Product: Human Collagen Type I (Human Placenta)

Code: 009-001-103

Lot # 19768

Size: 500 µg

Physical State: Liquid (sterile filtered)

Protein Concentration: 1.0 mg/ml (by dry weight)

Buffer: 0.5 M Acetic Acid, pH 4.5

Stabilizer: None

Preservative: 0.01% (w/v) Sodium Azide

Application(s): For use as a control or standard in indirect trapping ELISA for quantitation of antigen in serum using a standard curve, for immunoprecipitation and for western blotting.

Recommended Dilution(s): Not determined. Optimal titers for applications should be determined by the researcher.

Storage Conditions: Store vial at 4° C prior to opening. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is six (6) months from date of opening product.

Purity and Specificity: This product has been prepared from human placenta and is chromatographically and immunologically pure. This product is free from other collagens, human serum proteins and non-collagen extracellular matrix proteins. This product reacts with anti-Collagen Type I. Reaction with Rockland's anti-Collagen II, III, IV, V or VI is negligible (typically less than 1% cross-reactivity was detected by ELISA).

Immunogen: Not applicable.

Warning: 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.

Note: 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.