

Certificate of Analysis

PRODUCT: Human Serum – IgG/IgM/IgA Antibody Depleted, Pooled**CODE NO:** 34040**LOT NO:** 27647A**DATE OF
MANUFACTURE:** October 3, 2025**STORAGE:** At or below -70 °C**ORIGIN:** India

SAFETY: *Statement of anonymity of donors:* This product consists of human serum, either single units or pooled from single units, obtained from anonymous donors who are required to sign an informed consent. Donors acknowledge that their donation is made voluntarily and in consideration of the fee, and the blood and derivatives from it may be used in any manner decided by the corporation. This prospective collection was performed under ACEAS-Independent Ethics Committee oversight. No information is provided to Pel-Freez that would give any indication as to the identity of any donor(s) at any time. Pel-Freez has further processed this material as identified solely as "human serum" and has made no attempt to ascertain the identity of any donor from which the raw material was collected.

Each donor unit was tested prior to pooling and found negative for Hepatitis B Surface Antigen and non-reactive to anti-HV, HIV-I and II, and TPHA. No test method can provide total assurance that Hepatitis B Virus, Hepatitis C Virus, Human Immunodeficiency Virus or other infectious agents are absent. Thus, all blood products should be handled at the Bio-Safety Level 2 as recommended by the CDC/NIH manual: BIO-SAFETY IN MICROBIOLOGICAL AND BIOMEDICAL LABORATORIES, FOR POTENTIALLY INFECTIOUS HUMAN SERUM OR BLOOD SPECIMENS.

PROCESS NOTES: This product consists of human serum that has been depleted of IgG, IgM and IgA antibodies by affinity chromatography. Depleted serum is filtered through a 0.2 µm membrane filter, aliquoted and frozen.

ASSAYS:

	IgG concentration, HPLC		IgM concentration, HPLC		IgA concentration, HPLC	
	Specification	Result	Specification	Result	Specification	Result
Donor Feed Serum	Report Result	14.2 mg/mL	Report Result	1.61 mg/mL	Report Result	0.27 mg/mL
IgG/IgM depleted serum	<3.5% ¹	0.017%	<3.5% ¹	2.5 % ¹	<3.5% ¹	ND

¹) Assay value as % of starting donor feed serum.

QUALITY ASSURANCE

Quality Control Release Date: October 21, 2025

Kendra Graham
Quality Systems Lead**Meets or exceeds specifications** ☒**Does not meet specifications** ☐**Product under development** ☐

NOT FOR USE IN PRODUCTS SUBJECT TO LICENSE UNDER SECTION 351 OF THE PUBLIC SERVICE ACT
SUITABLE FOR FURTHER MANUFACTURE OR RESEARCH PURPOSES