



DATE: 02 June 2021

**Product Identifier**

**SRM Number:** 2969

**SRM Name:** Vitamin D Metabolites in Frozen Human Serum  
(Total 25-Hydroxyvitamin D Low Level)

Under the U.S. Department of Labor, Occupational Safety and Health Administration (OSHA) 29 CFR 1910.1200, this Standard Reference Material (SRM) is NOT classified as a physical hazard or a health hazard, a simple asphyxiant, combustible dust, pyrophoric gas, or hazard not otherwise classified. There are no hazard pictograms, hazard statements or signal word associated with it. Safety Data Sheet information is not required. This document may be used in conjunction with your hazard communication program.

**Exemption:** 1910.1200(b)(6)(xii). This SRM is a biological material and should be considered a potential biological hazard.

**Description:** This SRM is intended for validating methods for determining vitamin D metabolites in human serum and plasma and qualifying control materials produced in-house and analyzed using those methods. A unit of SRM 2969 consists of two vials of one concentration level of frozen human serum. Each vial contains approximately 1.0 mL serum.

**Additional Notes for Biomaterials:** SRM 2969 IS INTENDED FOR RESEARCH USE. This is a human-source material. Handle product as a biohazardous material capable of transmitting infectious disease. The supplier has reported that each donor unit of plasma used in the preparation of this product was tested by FDA-licensed tests and found to be non-reactive for human immunodeficiency virus (HIV), HIV-1 and HIV-2, hepatitis B surface antigen, and hepatitis C. However, no known test method can offer complete assurance that hepatitis B virus, hepatitis C virus, HIV, or other infectious agents are absent from this material. As such, this human blood-based product should be handled at Biosafety Level 2 as recommended by the Centers for Disease Control and Prevention's Biosafety in Microbiological and Biomedical Laboratories (6th edition) for human-derived blood products where the presence of an infectious agent may be unknown. See Certificate of Analysis for storage and use instructions.

**Disposal:** SRM 2969 components and derived solutions should be disposed of in accordance with local, state, and federal regulations.

**Transport Information:** This material is not regulated by the U.S. Department of Transportation (DOT) and/or International Air Transport Association (IATA).

**Disclaimer:** The NIST information in this document is specific to the NIST product and is believed to be correct, based upon our current knowledge. This document may not necessarily be all inclusive and should be used only as a guide. NIST does not guarantee the accuracy or completeness of this information. The only official source for specific values and uncertainties is the certificate or report.

Users of this SRM should ensure that this document and the corresponding Certificate of Analysis in their possession are current. This can be accomplished by contacting the SRM Program: telephone (301) 975-2200; e-mail [srmmsds@nist.gov](mailto:srmmsds@nist.gov); or via the Internet at <https://www.nist.gov/srm>.