UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899-0001

DATE: 23 May 2023

Product Identifier

SRM Number: 3950
SRM Name: Vitamin B_6 in Frozen Human Serum

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 primarily for use in evaluating the accuracy of procedures for the determination of the vitamin B_6 metabolite pyridoxal 5'-phosphate (PLP) in human serum. It is also intended for use in validating working or secondary reference materials. PLP is the major circulating form of vitamin B_6 and the most common direct measure of this vitamin in serum or plasma. A unit of SRM 3950 consists of two stoppered vials of frozen human serum, one vial each at two different concentration levels. Each vial contains 1.0 mL of human serum.

Additional Notes for Biomaterials: SRM 3950 IS INTENDED FOR RESEARCH USE. This is a human-source material. Handle product as a biohazardous material potentially capable of transmitting infectious disease. The supplier has reported that each donor unit of serum used in the preparation of this product was tested by FDA-licensed tests and found to be negative for human immunodeficiency virus (HIV), HIV-1 antigen, 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. Accordingly, this human blood-based product should be handled at Biosafety Level 2 as recommended by the Centers for Disease Control and Prevention/National Institutes of Health's Biosafety in Microbiological and Biomedical Laboratories for human-derived blood products where the presence of infectious agent(s) may be unknown.

Disposal: SRM 3950 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).