



DATE: 10 July 2013

Product Identifier

SRM Number: 2372

SRM Name: Human DNA Quantitation Standard

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: SRM 2372 is intended primarily for use in the value assignment of human genomic deoxyribonucleic acid (DNA) forensic quantitation materials. It is not intended for any human or animal clinical diagnostic use. SRM 2372 consists of three well-characterized human genomic DNA materials solubilized in 10 mmol/L 2-amino-2-(hydroxymethyl)-1,3-propanediol hydrochloride (Tris HCl) and 0.1 mmol/L ethylenediaminetetraacetic acid disodium salt (disodium EDTA) using deionized water adjusted to pH 8.0 buffer (TE⁻⁴). The three component genomic DNA materials, labeled A, B, and C, are derived from a single male donor, multiple female donors, and multiple male and female donors, respectively. A unit of the SRM consists of one sterile 2 mL vial of each component, each vial containing approximately 110 µL of DNA solution. Each of these vials is labeled and is sealed with a color-coded screw cap.

Additional Notes for Biomaterials: SRM 2372 IS A HUMAN-SOURCE MATERIAL. Since there is no consensus on the infectious status of extracted DNA, handle the SRM 2372 components as Biosafety Level 1 materials capable of transmitting infectious disease as recommended for any potentially infectious human serum or blood specimen by the Centers for Disease Control and Prevention (CDC) Office of Safety, Health, and Environment and the National Institutes of Health (NIH). See Certificate of Analysis for storage and use instructions.

Disposal: SRM 2372 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 Transportation Association (IATA).

Disclaimer: This document was prepared carefully, using current references. 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; fax (301) 948-3730; e-mail srmmsds@nist.gov; or via the Internet at <http://www.nist.gov/srm>.