



DATE: 14 August 2024

**Product Identifier**

**RM Number:** 8393  
**RM Name:** Human DNA for Whole-Genome Variant Assessment  
(Son of Chinese Ancestry) (HG-005)

Under the U.S. Department of Labor, Occupational Safety and Health Administration (OSHA) 29 CFR 1910.1200, this Reference Material (RM) 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. Biological hazards are exempted per 1910.1200(b)(6)(xii).

**Description:** This RM is intended to provide a whole human genome sample and accompanying reference values to assess performance of variant calling from genome sequencing. A unit of RM 8393 consists of a vial containing human genomic DNA extracted from a single human lymphoblastoid cell line GM24631 from the Coriell Institute for Medical Research (Camden, NJ). The vial contains approximately 10 µg of genomic DNA in TE buffer (10 mM TRIS, pH 8.0, 1 mM EDTA, pH 8.0).

**Additional Notes for Biomaterials:** RM 8393 IS A HUMAN DNA SOURCE MATERIAL. RM 8393 is a Biosafety Level 1 material and should be handled according to applicable federal, state, and/or local regulations and according to policies and procedures of recipient's organization.

**Disposal:** RM 8393 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).

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Users of this RM should ensure that this document and the corresponding Report of Investigation 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>.