



DATE: 10 August 2016

Product Identifier

RM Number: 8375
RM Name: Microbial Genomic DNA Standards for Sequencing Performance Assessment
(MG-001, MG-002, MG-003, MG-004)

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.

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

Description: This RM is intended to provide a microbial genome sample and accompanying reference values to assess genome sequencing performance. A unit of RM 8375 consists of four vials. Each vial contains a different microbial genomic DNA sample (MG-001 *Salmonella* Typhimurium LT2, MG-002 *Staphylococcus aureus*, MG-003 *Pseudomonas aeruginosa*, and MG-004 *Clostridium sporogenes*). Each vial contains approximately 2 µg of microbial genomic DNA in TE buffer (10 mM TRIS, 1 mM EDTA, pH 8.0).

Additional Notes for Biomaterials: RM 8375 is bacterial source material intended for research use. Since there is no consensus on the infectious status of extracted DNA, handle RM 8375 components as Biosafety Level 1 materials capable of transmitting infectious disease, as recommended by the Centers for Disease Control and Prevention (CDC) Office of Safety, Health, and Environment and the National Institutes of Health (NIH). See Report of Investigation for storage and use instructions.

Disposal: RM 8375 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: This document was prepared carefully, using current references. 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; fax (301) 948-3730; e-mail srmmsds@nist.gov; or via the Internet at <http://www.nist.gov/srm>.