



DATE: 26 May 2015

**Product Identifier**

**SRM Number:** 2396

**SRM Name:** Oxidative DNA Damage Mass Spectrometry Standards

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 Standard Reference Material (SRM) is intended for use in the identification and quantification of oxidatively damaged DNA base components for analysis by isotope-dilution techniques using either gas chromatography/mass spectrometry (GC/MS), or liquid chromatography/mass spectrometry (LC/MS). A unit of SRM 2396 is a set of 10 components, which includes eight oxidatively-modified, stable isotope-labeled DNA bases (Components 1 through 8), one stable isotope-labeled normal DNA nucleoside (Component 9), and one oxidatively-modified, stable isotope-labeled nucleoside (Component 10). Each vial of SRM 2396 contains 0.2 mL of the designated component.

**Additional Notes for Biomaterials:** SRM 2396 IS A HUMAN SOURCE MATERIAL. SINCE THERE IS NO CONSENSUS ON THE INFECTIOUS STATUS OF EXTRACTED DNA, HANDLE THE SRM 2396 COMPONENTS AS BIOSAFETY LEVEL 1 MATERIAL CAPABLE OF TRANSMITTING INFECTIOUS DISEASE.

**Disposal:** SRM 2396 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](mailto:srmmsds@nist.gov); or via the Internet at <http://www.nist.gov/srm>.