Labmix24 GmbH
Kesseldorfer Rott 24
46499 Hamminkeln
Germany

Tel: +49 (0) 2852 96064 00
Fax: +49 (0) 2852 96064 24
Web: www.labmix24.com
E-Mail: info@labmix24.com

Out of Stock - Item is not available at this time - Oxidative DNA Damage Mass Spectrometry Standard

Art. ID	NIST-2396
Unit	set (10)
Deliverydetails	Dry ice shipment /not restricted

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) [2]. A unit of NIST-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 NIST-2396 contains 0.2 mL of the designated component described in further detail below: /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
ID 10 (Certified optical density)	8-OH-dGuo-15N5		0,945 ± 0,049			
ID 1	4,6-Diamino-5-formamidopyrimidine- (formyl-13C-4,6-diamino-15N2)		0,23	mmol/L		
ID 2	2,6-Diamino-4-hydroxyformamidopyrimidine- (formyl-13C-5-amido-15N-6-amino-15N)		0,17	mmol/L		
ID 3	8-Hydroxyadenine-8-13C-9-15N-(6-amino-15N)		0,15	mmol/L		
ID 4	5-Hydroxycytosine-2-13C-1,3-15N2		0,23	mmol/L		
ID 5	5-Hydroxyuracil-2,4,5,6-13C4-1,3-15N2		0,14	mmol/L		
ID 6	5-(Hydroxymethyl)uracil-4,5-13C2-alpha,alpha-2H		0,1	mmol/L		
ID 7	cis-Thymine glycol-alpha,alpha,alpha,6-2H4		0,1	mmol/L		
ID 8	5-Hydroxy-5-methylhydantoin-2-13C-1,3-15N2		0,1	mmol/L		
ID 9	2?-Deoxyguanosine-15N5		0,13	mmol/L		
ID 10	7,8-Dihydro-8-oxo-2'-deoxyguanosine15N5 or 8-h		0,093	mmol/L		

Labmix24 GmbH
Kesseldorfer Rott 24
46499 Hamminkeln
Germany

Tel: +49 (0) 2852 96064 00
Fax: +49 (0) 2852 96064 24
Web: www.labmix24.com
E-Mail: info@labmix24.com

ydroxy-2'-deoxyguanosin

e-15 N5 Abbreviation:

8-OH-dGuo-15N5