

Fat soluble cholesterol and vitamins in frozen human serum

Art. ID	NIST-968f
Unit	2 vials x 1 mL
Deliverydetails	Dry ice shipment /not restricted

Description

This Standard Reference Material (SRM) is intended for use in validating methods for determining fat-soluble vitamins in human serum and plasma and qualifying control materials produced in-house and analyzed using those methods / Non-certified values for Total beta-Carotene , Trans-beta-Carotene , Total cis-beta-Carotene , Total ?-Carotene , Total Lycopene , Trans-Lycopene , Total beta-Cryptoxanthin , Total Lutein , Total Zeaxanthin , Total Lutein+Zeaxanthin , Retinyl Palmitate , Coenzyme Q10 , Phylloquinone (K1) , 25-Hydroxyvitamin D , 25-Hydroxyvitamin D2 , 25-Hydroxyvitamin D3 , 3-epi-25-Hydroxyvitamin D3 , Serum Density , Serum Density . ///

Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Level 1 / Certified value	Retinol total	[68-26-8]	0,327 ± 0,013	µg/mL		
Level 1 / Certified value	Retinol total	[68-26-8]	1,141 ± 0,045	µmol/L		
Level 1 / Certified value	alpha-Tocopherol	[10191-41-0]	5,15 ± 0,21	µg/mL		
Level 1 / Certified value	alpha-Tocopherol	[10191-41-0]	11,95 ± 0,49	µmol/L		
Level 1 / Certified value	alpha+beta-Tocopherol		1,094 ± 0,049	µg/mL		
Level 1 / Certified value	alpha+beta-Tocopherol		2,63 ± 0,12	µmol/L		
Level 2 / Certified value	Retinol total	[68-26-8]	0,658 ± 0,028	µg/mL		
Level 2 / Certified value	Retinol total	[68-26-8]	2,30 ± 0,10	µmol/L		
Level 2 / Certified value	alpha-Tocopherol	[10191-41-0]	11,85 ± 0,73	µg/mL		
Level 2 / Certified value	alpha-Tocopherol	[10191-41-0]	27,5 ± 1,7	µmol/L		
Level 2 / Certified value	alpha+beta-Tocopherol		2,59 ± 0,14	µg/mL		
Level 2 / Certified value	alpha+beta-Tocopherol		6,21 ± 0,34	µmol/L		