

Out of Stock - Item is not available at this time - Electrolytes in frozen human serum

Art. ID	NIST-956d
Unit	6 x 2,0 mL
Deliverydetails	Dry ice shipment /not restricted

Description

This Standard Reference Material (SRM®) is primarily intended for use in the calibration and validation of procedures and methods employed in clinical analysis for the determination of electrolytes in either diluted or undiluted human serum or plasma. This SRM® can be used for calibrating direct-reading ion-selective electrode (ISE) analyzers and for quality assurance in validating secondary reference materials. A unit of NIST-956d consists of six sealed borosilicate glass ampoules of frozen human serum, two ampoules each of three different concentration levels. Each ampoule contains approximately 2 mL of human serum. Reference values for ionized calcium, phosphate and phosphorus. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Level 1, Coverage Facto r, k = 2.00	Calcium (Ca)	[7440-70-2]	3,407 ± 0,030	mmol/L		
Level 1, Coverage Facto r, k = 2.00	Calcium (Ca)	[7440-70-2]	13,65 ± 0,12	mg/dL		
Level 1, Coverage Facto r, k = 2.00	Chloride (Cl)		94,53 ± 0,21	mmol/L		
Level 1, Coverage Facto r, k = 2.00	Chloride (Cl)		335,1 ± 0,8	mg/dL		
Level 1, Coverage Facto r, k = 2.00	Lithium (Li)	[7439-93-2]	1,965 ± 0,029	mmol/L		
Level 1, Coverage Facto r, k = 2.00	Lithium (Li)	[7439-93-2]	1,364 ± 0,020	mg/dL		
Level 1, Coverage Facto r, k = 2.00	Magnesium (Mg)	[7439-95-4]	1,471 ± 0,010	mmol/L		
Level 1, Coverage Facto r, k = 2.00	Magnesium (Mg)	[7439-95-4]	3,576 ± 0,025	mg/dL		
Level 1, Coverage Facto r, k = 2.00	Potassium (K)	[7440-09-7]	5,752 ± 0,049	mmol/L		
Level 1, Coverage Facto r, k = 2.00	Potassium (K)	[7440-09-7]	22,49 ± 0,19	mmol/L		
Level 1, Coverage Facto r, k = 2.00	Sodium (Na)	[7440-23-5]	120,0 ± 0,7	mg/dL		
Level 1, Coverage Facto r, k = 2.00	Sodium (Na)	[7440-23-5]	275,9 ± 1,6	mmol/L		
Level 2, Coverage Facto	Calcium (Ca)	[7440-70-2]	2,857 ± 0,025	mg/dL		

r, k = 2.00				
Level 2, Coverage Facto	Calcium (Ca)	[7440-70-2]	11,45 ± 0,10	mmol/L
r, k = 2.00				
Level 2, Coverage Facto	Chloride (Cl)		108,5 ± 0,2	mg/dL
r, k = 2.00				
Level 2, Coverage Facto	Chloride (Cl)		384,7 ± 0,8	mmol/L
r, k = 2.00				
Level 2, Coverage Facto	Lithium (Li)	[7439-93-2]	1,207 ± 0,020	mg/dL
r, k = 2.00				
Level 2, Coverage Facto	Lithium (Li)	[7439-93-2]	0,838 ± 0,014	mmol/L
r, k = 2.00				
Level 2, Coverage Facto	Magnesium (Mg)	[7439-95-4]	0,961 ± 0,007	mmol/L
r, k = 2.00				
Level 2, Coverage Facto	Magnesium (Mg)	[7439-95-4]	2,336 ± 0,016	mg/dL
r, k = 2.00				
Level 2, Coverage Facto	Potassium (K)	[7440-09-7]	3,730 ± 0,035	mmol/L
r, k = 2.00				
Level 2, Coverage Facto	Potassium (K)	[7440-09-7]	14,58 ± 0,14	mg/dL
r, k = 2.00				
Level 2, Coverage Facto	Sodium (Na)	[7440-23-5]	139,3 ± 0,9	mmol/L
r, k = 2.00				
Level 2, Coverage Facto	Sodium (Na)	[7440-23-5]	320,2 ± 2,0	mg/dL
r, k = 2.00				
Level 3, Coverage Facto	Calcium (Ca)	[7440-70-2]	2,282 ± 0,018	mmol/L
r, k = 2.00				
Level 3, Coverage Facto	Calcium (Ca)	[7440-70-2]	9,145 ± 0,072	mg/dL
r, k = 2.01				
Level 3, Coverage Facto	Chloride (Cl)		122,6 ± 0,3	mmol/L
r, k = 2.02				
Level 3, Coverage Facto	Chloride (Cl)		434,8 ± 0,9	mg/dL
r, k = 2.03				
Level 3, Coverage Facto	Lithium (Li)	[7439-93-2]	0,455 ± 0,012	mmol/L
r, k = 2.04				
Level 3, Coverage Facto	Lithium (Li)	[7439-93-2]	0,316 ± 0,008	mg/dL
r, k = 2.05				
Level 3, Coverage Facto	Magnesium (Mg)	[7439-95-4]	0,434 ± 0,003	mmol/L
r, k = 2.06				
Level 3, Coverage Facto	Magnesium (Mg)	[7439-95-4]	1,055 ± 0,008	mg/dL

r, k = 2.07				
Level 3, Coverage Facto	Potassium (K)	[7440-09-7]	1,611 ± 0,014	mmol/L
r, k = 2.08				
Level 3, Coverage Facto	Potassium (K)	[7440-09-7]	6,298 ± 0,054	mg/dL
r, k = 2.09				
Level 3, Coverage Facto	Sodium (Na)	[7440-23-5]	158,7 ± 1,1	mmol/L
r, k = 2.10				
Level 3, Coverage Facto	Sodium (Na)	[7440-23-5]	364,8 ± 2,4	mg/dL
r, k = 2.11				