

Electrolytes in Frozen Human Serum

Art. ID	NIST-956e
Unit	6 ampoules (2 x 3 levels)
Deliverydetails	Dry ice shipment /not restricted

Description

The certified values delivered by this Standard Reference Material (SRM) are intended for 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. A unit of NIST-956e consists of six sealed borosilicate glass ampoules of frozen human serum, two ampoules each of three different concentration levels: Level 1, Level 2, and Level 3. Each ampoule contains approximately 2 mL of frozen human serum. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Level 1	Calcium (Ca)	[7440-70-2]	3,030 ± 0,024	mmol/L		
Level 1	Calcium (Ca)	[7440-70-2]	12,144 ± 0,098	mg/dL		
Level 1	Chloride (Cl)		98,07 ± 0,21	mmol/L		
Level 1	Chloride (Cl)		347,66 ± 0,74	mg/dL		
Level 1	Lithium (Li)	[7439-93-2]	2,080 ± 0,017	mmol/L		
Level 1	Lithium (Li)	[7439-93-2]	1,444 ± 0,012	mg/dL		
Level 1	Magnesium (Mg)	[7439-95-4]	1,463 ± 0,020	mmol/L		
Level 1	Magnesium (Mg)	[7439-95-4]	3,555 ± 0,049	mg/dL		
Level 1	Potassium (K)	[7440-09-7]	5,978 ± 0,068	mmol/L		
Level 1	Potassium (K)	[7440-09-7]	23,37 ± 0,26	mmol/L		
Level 1	Sodium (Na)	[7440-23-5]	122,48 ± 0,53	mg/dL		
Level 1	Sodium (Na)	[7440-23-5]	281,6 ± 1,2	mmol/L		
Level 2	Calcium (Ca)	[7440-70-2]	2,515 ± 0,031	mg/dL		
Level 2	Calcium (Ca)	[7440-70-2]	10,08 ± 0,12	mmol/L		
Level 2	Chloride (Cl)		110,91 ± 0,22	mg/dL		
Level 2	Chloride (Cl)		393,19 ± 0,77	mmol/L		
Level 2	Lithium (Li)	[7439-93-2]	1,303 ± 0,027	mg/dL		
Level 2	Lithium (Li)	[7439-93-2]	0,905 ± 0,019	mmol/L		
Level 2	Magnesium (Mg)	[7439-95-4]	0,9905 ± 0,0097	mmol/L		
Level 2	Magnesium (Mg)	[7439-95-4]	2,407 ± 0,024	mg/dL		
Level 2	Potassium (K)	[7440-09-7]	3,969 ± 0,046	mmol/L		
Level 2	Potassium (K)	[7440-09-7]	15,52 ± 0,18	mg/dL		
Level 2	Sodium (Na)	[7440-23-5]	141,98 ± 0,52	mmol/L		
Level 2	Sodium (Na)	[7440-23-5]	326,4 ± 1,2	mg/dL		
Level 3	Calcium (Ca)	[7440-70-2]	2,026 ± 0,017	mmol/L		
Level 3	Calcium (Ca)	[7440-70-2]	8,122 ± 0,070	mg/dL		

Level 3	Chloride (Cl)		125,26 ± 0,27	mmol/L
Level 3	Chloride (Cl)		444,03 ± 0,94	mg/dL
Level 3	Lithium (Li)	[7439-93-2]	0,530 ± 0,013	mmol/L
Level 3	Lithium (Li)	[7439-93-2]	0,3678 ± 0,0093	mg/dL
Level 3	Magnesium (Mg)	[7439-95-4]	0,5270 ± 0,0076	mmol/L
Level 3	Magnesium (Mg)	[7439-95-4]	1,281 ± 0,018	mg/dL
Level 3	Potassium (K)	[7440-09-7]	1,998 ± 0,023	mmol/L
Level 3	Potassium (K)	[7440-09-7]	7,811 ± 0,089	mg/dL
Level 3	Sodium (Na)	[7440-23-5]	162,16 ± 0,56	mmol/L
Level 3	Sodium (Na)	[7440-23-5]	372,8 ± 1,3	mg/dL