

105.1 - Clinical Laboratory Materials (gas, liquid, and solid forms)

The following SRMs are intended for calibrating apparatus and validating analytical methods used in clinical and pathology laboratories.

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	Description	Unit Size	Purity/Constituent (mass fraction in % unless otherwise noted)
911c	Cholesterol	2 g	99.2
912b	Urea	25 g	99.95
913b	Uric Acid	10 g	99.8
914b	Creatinine	10 g	99.9
915c	Calcium Carbonate	20 g	^w CaCO ₃ 99.947 ^w Ca 40.023 ^w CO ₃ 59.944
916b	Bilirubin	100 mg	94.7
917d	D-Glucose (Dextrose)	50 g	99.6
918c	Potassium Chloride General and Ion Activity Standard	30 g	^w KCl 99.945 ^w K 52.421 ^w Cl 47.5317
919b	Sodium Chloride	30 g	^w NaCl 99.835 ^w Cl ⁻ 60.564 ^w Na ⁺ 39.2747
920	D-Mannitol	50 g	99.8
921a	Cortisol (Hydrocortisone)	1 g	99.3
924a	Lithium Carbonate	30 g	99.867*
927f	Bovine Serum Albumin (7 % Solution) (Total Protein Standard)	10 ampoules x 2.2 mL	BSA Conc. 83.2 g/L
928	Lead Nitrate	30 g	100.00
929a	Magnesium Gluconate	5 g	Mg Conc. 5.362
937	Iron Metal	50 g	99.90
998	Angiotensin I (Human)	0.5 mg	94.1
1400	Bone Ash	50 g	8 elements
1486	Bone Meal	50 g	8 elements <i>1 element</i>
1595a	Tripalmitin	2 g	99.90
1598a	Inorganic Constituents in Animal Serum	2 vials x 5 mL	12 elements <i>5 elements</i>
2365	BK Virus DNA Quantitative Standard	1 vial x 110 µL	1 Level: BK virus (copies per microliter)
2366a	Cytomegalovirus DNA (Towne _{A147} BAC) for DNA Measurements	1 vial x 150 µL	1 Level: cytomegalovirus (copies per micro liter)
2389a	Amino Acids in 0.1 mol/L Hydrochloric Acid	5 ampoules x 1.2 mL	16 Amino Acids
2921	Human Cardiac Troponin Complex	5 vials x 115 µL	Cardiac Troponin <i>cTnI, cTnT, cTnC</i>
2924	C-Reactive Protein Solution	3 vials x 1 mL	CRP Conc. 20.6 µmol/L
2968	3-Epi-25-Hydroxyvitamin D3 Calibration Solution	5 ampoules x 1.2 mL	3-epi-25-hydroxyvitamin D3
2972b	25-Hydroxyvitamin D Calibration Solutions	15 ampoules x 1.2 mL	Vitamin D Metabolites 25-hydroxyvitamin D2, 25-hydroxyvitamin D3
3030	Monomethylarsonic Acid Standard Solution	2 x 5 mL	17.46 mg/kg
3031	Dimethylarsinic Acid Standard Solution	2 x 5 mL	20.47 mg/kg
3033	Arsenobetaine Standard Solution	2 x 5 mL	19.06 mg/kg
3034	Arsenocholine Standard Solution	2 x 5 mL	19.77 mg/kg
3036	Arsenic Acid (AsV) Standard Solution	2 x 10 mL	0.0971
3037	Arsenous Acid (AsIII) Standard Solution	2 x 10 mL	0.10442
3655	Glycans in Solution (Frozen)	13 vials	13 certified mass fraction values for glycans
8321	Peptide Mixture for Proteomics	3 vials x 50 µL	<i>440 Synthetic Peptides</i>
8323	Yeast Protein Extract	3 vials x 0.2 mL	<i>0.188 mg/mL</i>
8461	Human Liver for Proteomics	0.5 g	<i>1619 Identified Proteins</i>
8642a	FDA Saxitoxin Dihydrochloride Solution	5 ampoules x 1.2 mL	<i>0.0103</i>
8671	NISTmAb, Humanized IgG1κ Monoclonal Antibody	1 vial x 800 µL	<i>Concentration, size and charge heterogeneity, identity confirmation</i>

- Certified values are normal font.

- Non-certified and reference values are italicized.

- Information values and values of potential interest are within parentheses.

* Conforms to National Committee for Clinical Laboratory Standards (NCCLS) specification ACC-1.