

105.2 - Serum and Plasma Materials (frozen, liquid, and lyophilized forms)

These SRMs serve a variety of clinical measurement needs.

SRM 909c is a frozen human serum for use in determining specified constituents.
 SRM 907a is a bovine serum albumin in a sterile 7% solution for use in the calibration and standardization of procedures to analyze total serum protein.
 SRM 927e is a frozen human serum for use in the calibration and standardization of procedures for the determination of specific electrolytes in either diluted or undiluted human serum or plasma.
 SRM 966a is a frozen human serum for evaluating the accuracy of procedures used to determine glucose in human serum and to validate secondary reference materials.
 SRM 967a is a frozen human serum for evaluating the accuracy of procedures for the determination of creatinine in human serum.
 SRM 968a is a lyophilized human serum for validating methods used to determine fat-soluble vitamins, carotenoids, and cholesterol in human serum and plasma.
 SRM 971 is a hormone in frozen human serum for evaluating the accuracy of procedures for the determination of the steroid hormones cortisol and progesterone in human serum.
 SRM 972a is a frozen human serum for evaluating vitamin D metabolites.
 SRM 972b is a frozen human serum for evaluating the accuracy of clinical procedures for the determination of total cholesterol, HDL-cholesterol, LDL-cholesterol and total glycerides.
 SRM 985a is a freeze-dried human serum for evaluating PCB congeners, chlorinated pesticides and total cholesterol in human serum and similar matrices.
 SRMs 1952 and 1953 are freeze-dried human serums for evaluating PCB congeners, chlorinated pesticides, and PBDE congeners with non-certified values for PCBs and dioxins/furans.
 SRM 2921 is a human cardiac troponin complex. SRM 2921 is primarily intended for use in calibrating clinical procedures and devices for the determination of cardiac troponin I (cTnI) in human serum. It can also be used for value-assignment of calibrators and control materials.

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	<i>α</i> -Carotene-Total	<i>α</i> -Tocopherol	<i>γ</i> -Tocopherol	<i>β</i> -cryptoxanthin-total	Calcium Ionized	5-Methyltetrahydrofolic Acid	Albumin	Amino Acids	Ascorbic Acid	Bilirubin	Cardiac troponin C (cTnC)	Cardiac troponin I (cTnI)	Cardiac troponin T (cTnT)	Chlorine Cl	Cholesterol	Cis-B-Carotene	Coenzymes
909c	Frozen Human Serum	3 x 2 mL															X		
927e	Bovine Serum Albumin (7% solution) (Total Protein Standard)	10 x 2.2 mL							X										
966a	Electrolytes in Frozen Human Serum	6 x 2.0 mL					X											X	
965b	Glucose in Frozen Human Serum	set (8) (2 each conc)																	
967a	Creatinine in Frozen Human Serum	set(4) (2 each conc)																	
968a	Fat-Soluble Vitamins, Carotenoids, and Cholesterol in Human Serum	set (3) (1 each conc.)	X	3 levels	3 levels	3 levels											3 levels		(3 lev
971	Hormones in Frozen Human Serum	2 x 5 mL																	
972a	Vitamin D Metabolites in Frozen Human Serum	4 x 1 mL																	
1950	Metabolites in Frozen Human Plasma	5 x 1 mL	X	X	X			X		X		X					X		X
1951c	Lipids in Frozen Human Serum	4 vials (2 each conc)																2 levels	
1952a	Cholesterol in Freeze-Dried Human Serum	set (6) (2 each conc)																3 levels	
1957	Organic Contaminants in Non-Fortified Human Serum (Freeze-Dried)	5 x 10.7 mL reconstituted																	
1958	Organic Contaminants in Fortified Human Serum (Freeze-Dried)	5 x 10 mL																	
2378	Fatty Acids in Frozen Human Serum	3 vials, 1 level each																	
2921	Human Cardiac Troponin Complex	5 x 115 uL											X	X	X				
2973	Vitamin D Metabolites in Frozen Human Serum (High Level)	one vial																	
3950	Vitamin B ₆ in Frozen Human Serum	2 vials, 1 level each																	

- Certified values are normal font
- Reference values are italicized
- Values in parentheses are for information only

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 SRM 927a is a bovine serum albumin in a sterile 7% solution for use in the calibration and standardization of procedures to analyze total serum protein.
 SRM 927b is a frozen human serum for use in the calibration and standardization of procedures for the determination of specific electrolytes in either diluted or undiluted human serum or plasma.
 SRM 966a is a frozen human serum for evaluating the accuracy of procedures used to determine glucose in human serum and to validate secondary reference materials.
 SRM 967a is a frozen human serum for evaluating the accuracy of procedures for the determination of creatinine in human serum.
 SRM 968a is a lyophilized human serum for validating methods used to determine fat-soluble vitamins, carotenoids, and cholesterol in human serum and plasma.
 SRM 971 is a hormone bin frozen human serum for evaluating the accuracy of procedures for the determination of the steroid hormones cortisol and progesterone in human serum.
 SRM 972a is a frozen human serum for evaluating vitamin D metabolites.
 SRM 972b is a frozen human serum for evaluating the accuracy of clinical procedures for the determination of total cholesterol, HDL-cholesterol, LDL-cholesterol and total glycerides.
 SRM 972c is a freeze-dried human serum for evaluating PCB congeners, chlorinated pesticides and total cholesterol in human serum and similar matrices.
 SRMs 1952 and 1953 are freeze-dried human serums for evaluating PCB congeners, chlorinated pesticides, and PBDE congeners with non-certified values for PFCs and dioxins/furans.
 SRM 1957 is a human cardiac troponin complex. SRM 2921 is primarily intended for use in calibrating clinical procedures and devices for the determination of cardiac troponin I (cTnI) in human serum. It can also be used for value-assignment of calibrators and control materials.

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SRM	Description	Unit Size	Fatty Acids	Folic Acid	Glucose	Glycerides-Total	HDL-Cholesterol	Homocysteine	LDL-Cholesterol	Lutein-Total	Lycopene-Total	Perfluorinated compounds (PFCs)	Pesticides	Polybrominated diphenyl ethers (PBDEs)	Polychlorinated biphenyl (PCB) Congeners	Progesterone	Prox. Protein
909c	Frozen Human Serum	3 x 2 mL				X											X
927a	Bovine Serum Albumin (7% solution) (Total Protein Standard)	10 x 2.2mL															X
956d	Electrolytes in Frozen Human Serum	6 x 2.0 mL															
965b	Glucose in Frozen Human Serum	set (8) (2 each conc)			4 levels												
967a	Creatinine in Frozen Human Serum	set(4) (2 each conc)															
968a	Fat-Soluble Vitamins, Carotenoids, and Cholesterol in Human Serum	set (3) (1 each conc.)								3 levels	3 levels						
971	Hormones in Frozen Human Serum	2 x 5 mL														2 levels	
972a	Vitamin D Metabolites in Frozen Human Serum	4 x 1 mL															
1950	Metabolites in Frozen Human Plasma	5 x 1 mL	X	X	X	X		X		X	X	X				X	X
1951c	Lipids in Frozen Human Serum	4 vials (2 each conc)				2 levels	2 levels		2 levels								
1952a	Cholesterol in Freeze-Dried Human Serum	set (6) (2 each conc)															
1957	Organic Contaminants in Non-Fortified Human Serum (Freeze-Dried)	5 x 10.7 mL reconstituted										X	X	X	X		
1958	Organic Contaminants in Fortified Human Serum (Freeze-Dried)	5 x 10 mL										X	X	X	X		
2378	Fatty Acids in Frozen Human Serum	3 vials, 1 level each	X														
2921	Human Cardiac Troponin Complex	5 x 115 uL															
2973	Vitamin D Metabolites in Frozen Human Serum (High Level)	one vial															
3950	Vitamin B ₆ in Frozen Human Serum	2 vials, 1 level each															

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