

Albumin and Creatinine in Frozen Human Urine

Art. ID	NIST-3666
Unit	4 vials x 1 mL
Deliverydetails	Dry ice shipment /not restricted

Description

The certified values delivered by this Standard Reference Material (SRM) are intended for use in validating measurement procedures and qualifying control materials produced in-house and analyzed using measurement methods for the determination of albumin, creatinine, or the albumin-to-creatinine ratio (ACR) in human urine. A unit of NIST-3666 consists of four vials, each containing approximately 1.0 mL of frozen pooled human urine. Each vial contains different levels of amount of substance of endogenous albumin, creatinine, and ACR (Level I, Level II, Level III, and Level IV). /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Level I	Albumin	[9048-46-8]	0,008 ± 0,001	mg/g		
Level II	Albumin	[9048-46-8]	0,031 ± 0,003	mg/g		
Level III	Albumin	[9048-46-8]	0,111 ± 0,011	mg/g		
Level IV	Albumin	[9048-46-8]	0,355 ± 0,031	mg/g		
Level I	Albumin	[9048-46-8]	8,28 ± 1,12	mg/L		
Level II	Albumin	[9048-46-8]	31,11 ± 2,64	mg/L		
Level III	Albumin	[9048-46-8]	112,77 ± 10,79	mg/L		
Level IV	Albumin	[9048-46-8]	360,50 ± 31,11	mg/L		
Level I	Creatinine	[60-27-5]	1178,96 ± 25,05	µg/g		
Level II	Creatinine	[60-27-5]	1209,58 ± 26,28	µg/g		
Level III	Creatinine	[60-27-5]	1249,58 ± 26,37	µg/g		
Level IV	Creatinine	[60-27-5]	1289,01 ± 27,71	µg/g		
Level I	Creatinine	[60-27-5]	119,69 ± 2,63	mg/dL		
Level II	Creatinine	[60-27-5]	122,65 ± 2,73	mg/dL		
Level III	Creatinine	[60-27-5]	127,19 ± 2,78	mg/dL		
Level IV	Creatinine	[60-27-5]	130,90 ± 2,96	mg/dL		
Level I	albumin-to-creatinine ratio (ACR)		6,92 ± 0,95	mg/g		
Level II	albumin-to-creatinine ratio (ACR)		25,36 ± 2,22	mg/g		
Level III	albumin-to-creatinine ratio (ACR)		88,66 ± 8,70	mg/g		
Level IV	albumin-to-creatinine ratio (ACR)		275,40 ± 24,57	mg/g		
Level I	Human Urine Density		1,01519 ± 0,00058	g/mL		
Level II	Human Urine Density		1,01397 ± 0,00048	g/mL		

Level III	Human Urine Density	1,01784 ± 0,00058	g/mL
Level IV	Human Urine Density	1,01549 ± 0,00070	g/mL