

Stability data – selected serum components

Type of variable	Component	Percent difference between fresh and long-term stored samples	Bias criteria	Comments	web link
Biochemical component					
	Sodium	+ 3.9	0.3	Sublimation	link
	Potassium	+ 26.4	1.8	Leakage of potassium due to prolonged clotting time	link
	Calcium	+ 7.4	0.8	Instable	link
	Bilirubin	– 59.4	10.0	Light sensitive, instable	link
	Creatinine	– 1.2	3.4	Stable	link
	Uric acid	– 7.6	4.8	Relatively stable	link
	Iron	+ 4.0	8.8	Stable	link
	Metyl malonic acid	0	NA	Stable	link
	Homocystein	+ 4.4	7.7	Stable	link
Proteins					
	Albumin	– 1.9	1.3	Stable	link
	Ferritin	– 18.5	5.0	Instable	link
	Transferrin	+ 8.2	1.3	Instable	link
	Sex hormone binding globulin	+ 7.1	11.1	Stable	link
	Alanin aminotransferase	– 73.4	12.0	Instable	link
	Aspartat aminotransferase	+ 2.0	5.4	Stable	link
	Creatinin kinase	– 96.1	11.5	Instable	link
	Immunoglobulin E	+ 4.3	NA	Stable	link
	Immunoglobulin G	+ 1.0	4.3	Stable	link
	Cystatin C	– 3.3	3.4	Stable	link
Vitamins					
	Folate	– 69.9	11.2	Light sensitive, instable	link

	Vitamin B12	+ 8.9	8.0	Stable	link
Hormones					
	Testosterone	+ 24.4	5.8	Possible changes in background population	link
	Follicle stimulating hormon	+ 4.6	5.1	Stable	link
	Luteinizing hormone	+ 1.9	7.8	Stable	link
	Prolactin	- 33.5	15.4	Instable	link
	Thyroidea stimulating hormon	- 13.2	8.4	Instable	link
	Free Thyroxine	+ 3.5	3.4	Stable	link
Lipids and lipoproteins					
	Cholesterol	+ 5.6	4.1	Stable, possible changes in the background population	link
	High density lipoprotein cholesterol	- 69.2	5.2	Instable	link
	Low density lipoprotein cholesterol	+ 31.3	6.8	Stable	link
	Apoprotein A1	+ 12.0	3.7	Stable	link
	Apoprotein B	+ 22.3	6.0	Stable	link
Nucleic acids					
	DNA	NA	NA	Stable	link link
	miRNA	NA	NA	Stable	link