ERNDIMQA - ANNUAL REPORT

Special assays serum 2020

ERN0654 - Indiana University School of Medicine - Medical and Molecular Genetics

Methodset : LC-MS/MS

Analyte	Accuracy (mean) Your Lab	Accuracy (mean) All Labs	Precision (CV% duplicates) Your Lab	Precision (CV% duplicates) All Labs	Linearity (r) Your Lab	Linearity (r) All Labs	Recovery (%added analyte) Your Lab	Recovery (%added analyte) All Labs	Data All Labs n	Data All Labs Interlab CV
3 OH Butyric acid		1.66		4.1%		0.998		87%	122	9.60%
7-Dehydrocholesterol		43.6		14.8%		0.990		66%	49	27.6%
7-Ketocholesterol		0.791		22.5%		0.966		101%	9	27.4%
C22:0 Behenic acid		72.3		7.0%		0.970		86%	91	10.7%
C24:0 Lignoceric acid		58.4		6.1%		0.942		86%	92	11.8%
C26:0 Cerotic acid		3.18		10.3%		0.994		80%	91	16.1%
Carnitine Free	78.6	71.8	7.8%	6.0%	0.991	0.990	91%	81%	111	11.6%
Cholestane-3b, 5a, 6b-triol		0.350		14.9%		0.975		90%	12	21.6%
Cholestanol		46.1		12.2%		0.993		91%	36	22.2%
Coenzyme Q10		0.757		52.7%		0.782		27%	11	141%
Creatine	62.5	62.0	2.8%	5.6%	0.996	0.988	96%	97%	57	9.12%
Galactose		750		6.5%		0.995		81%	14	18.9%
Glucosylsphingosine		490		10.8%		0.988		92%	18	31.7%
Guanidino acetic acid	11.9	11.9	4.7%	6.1%	0.991	0.992	95%	92%	56	10.5%
Homocysteine		57.1		6.0%		0.997		98%	96	9.42%
Lactic acid		4.79		3.1%		0.998		95%	85	6.13%
Lyso Gb3		45.3		11.8%		0.995		111%	24	36.3%
Lysosphingomyelin		18.8		40.9%		0.960		61%	12	130%
Methylmalonic acid	129	116	12.2%	7.6%	0.998	0.999	104%	93%	93	14.5%
Phytanic acid		9.05		8.4%		0.993		73%	82	14.7%
Pipecolic acid	19.1	17.5	4.8%	8.5%	0.999	0.995	103%	94%	54	13.4%
Pristanic acid		2.58		8.6%		0.992		69%	74	17.3%
Pyruvic acid		0.328		9.0%		0.976		76%	103	28.6%
Overall	60.2	82.0	6.5%	12.3%	0.995	0.977	98%	84%	61	27.8%