



ERNDIMQA - ANNUAL REPORT

Amino acids 2020

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

Methodset : LC-MS/MS

Analyte	Accuracy (mean)		Precision (CV% duplicates)		Linearity (r)		Recovery (%added analyte)		Data All Labs	
	Your Lab	All Labs	Your Lab	All Labs	Your Lab	All Labs	Your Lab	All Labs	n	Interlab CV
2-Aminobutyric acid	41.9	39.8	3.9%	7.9%	0.993	0.989	102%	100%	213	13.1%
Alanine	437	449	4.1%	4.4%	0.998	0.998	90%	93%	286	8.30%
Alloisoleucine	48.8	45.7	24.6%	6.4%	0.983	0.998	97%	92%	215	16.9%
Arginine	201	187	5.3%	5.8%	0.999	0.999	105%	97%	285	10.5%
Argininosuccinic acid	12.6	14.5	2.1%	20.9%	0.980	0.956	65%	70%	139	47.4%
Asparagine	27.0	27.1	1.9%	11.4%	0.999	0.981	90%	98%	257	23.5%
Aspartic Acid	83.0	76.3	1.0%	6.2%	0.999	0.996	76%	68%	270	19.1%
Citrulline	620	605	2.3%	5.5%	1.000	0.998	97%	95%	284	14.0%
Cystine	35.3	44.9	12.3%	11.1%	0.974	0.974	51%	72%	257	15.0%
Glutamic acid	355	352	6.8%	6.1%	0.980	0.973	89%	82%	283	9.12%
Glutamine	732	721	10.4%	6.4%	0.992	0.996	88%	89%	275	11.0%
Glycine	442	449	8.1%	4.3%	0.994	0.997	97%	95%	285	7.76%
Histidine	131	125	3.2%	5.7%	0.999	0.995	96%	91%	283	9.53%
Hydroxyproline	64.0	59.0	5.7%	10.5%	0.988	0.978	102%	98%	240	14.7%
Isoleucine	317	300	7.4%	4.7%	0.998	0.999	98%	94%	290	8.75%
Leucine	630	593	8.8%	4.8%	0.997	0.999	97%	92%	290	10.3%
Lysine	213	214	4.8%	4.6%	0.990	0.993	94%	95%	286	8.87%
Methionine	180	186	7.9%	6.6%	0.995	0.998	89%	94%	283	16.9%
Ornithine	378	373	4.3%	4.2%	0.998	0.996	92%	91%	288	8.85%
Phenylalanine	465	453	7.0%	4.6%	0.998	0.999	94%	92%	293	9.01%
Proline	450	474	13.8%	6.4%	0.993	0.998	86%	95%	272	11.4%
Sarcosine	43.2	61.0	9.6%	12.4%	0.964	0.970	58%	98%	155	20.5%
Serine	361	353	7.7%	4.2%	0.989	0.998	82%	86%	284	7.91%
Sulfocysteine	30.3	26.9	5.1%	13.3%	0.998	0.986	89%	78%	88	25.4%
Taurine	256	253	9.8%	4.9%	0.994	0.997	105%	97%	266	9.50%
Threonine	224	225	16.5%	4.5%	0.988	0.999	98%	96%	284	7.87%
Tryptophan	82.8	76.4	4.6%	8.3%	0.994	0.973	93%	90%	220	16.8%
Tyrosine	356	342	2.0%	4.5%	1.000	0.999	98%	93%	293	8.86%
Valine	319	313	4.2%	4.4%	0.998	0.998	95%	96%	290	7.54%
Overall	260	256	7.1%	7.1%	0.992	0.991	90%	91%	257	13.7%