



ERNDIMQA - ANNUAL REPORT

Special Assays in Dried Blood Spots 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
Number of days between shipment and arrival		7.00		0.0%		0.000		0%	36	39.9%
Alloisoleucine	37.7	39.2	22.2%	10.5%	0.984	0.992	90%	96%	42	22.2%
Carnitine Free	24.1	25.9	7.1%	7.3%	0.976	0.989	57%	73%	42	15.9%
Homocysteine		57.9		16.7%		0.981		121%	23	46.7%
Isoleucine	302	339	8.9%	7.8%	0.987	0.995	72%	90%	47	21.2%
Leucine	615	625	3.7%	7.5%	0.999	0.996	90%	90%	56	20.4%
Methionine	103	102	5.4%	8.5%	0.999	0.997	68%	66%	51	25.5%
NTBC		22.1		11.8%		0.996		90%	11	23.9%
Phenylalanine	383	404	9.6%	7.1%	0.991	0.997	78%	87%	83	16.7%
Succinylacetone		2.31		14.7%		0.994		25%	27	72.6%
Tyrosine	405	420	7.9%	5.8%	0.996	0.995	86%	88%	77	15.4%
Valine	307	328	8.6%	6.9%	0.987	0.995	79%	83%	63	25.6%
Overall	272	198	9.2%	8.7%	0.990	0.911	78%	76%	46	28.8%