

Table S1. Recoveries obtained from low, medium and high concentrations spiked biological matrices.

		Recovery (%)/CV% (n=5)								
		Ser	Gly	Met	His	Tryp	Cys	Cysta	Hcy	SAH
plasma	Low	85.81	118.43	117.91	82.29	89.86	109.06	108.19	103.01	104.21
	Medium	115.46	114.77	115.94	85.23	112.95	111.72	119.25	116.00	106.19
	High	84.59	99.04	104.27	105.18	90.22	83.41	101.22	80.87	103.69
HEK-293	Low	118.09	115.68	108.09	117.24	113.45	118.90	88.93	113.42	92.73
	Medium	108.79	99.03	108.37	104.50	95.81	100.02	104.08	102.34	80.07
	High	89.36	105.37	104.42	108.22	97.52	95.19	95.42	114.86	99.12
Brain	Low	112.77	116.26	94.24	118.49	110.77	91.53	105.22	119.99	114.35
	Medium	109.6	101.51	99.17	108.65	108.35	117.34	110.40	118.18	84.49
	High	103.05	100.20	103.53	103.91	112.27	107.90	114.42	118.37	81.28
Lung	Low	91.08	106.22	116.38	114.99	118.08	118.69	118.87	88.71	106.77
	Medium	113.95	100.69	105.93	114.52	100.10	119.93	116.43	119.26	114.33
	High	96.55	83.26	110.07	112.01	108.49	96.81	116.76	114.16	89.10
Heart	Low	95.22	118.30	82.39	118.57	86.90	97.34	92.51	94.60	113.03
	Medium	93.68	104.56	101.86	107.47	94.37	119.47	113.62	111.60	106.94
	High	89.86	104.90	106.92	97.72	80.03	100.86	91.65	108.97	85.77