

Supplementary Table S5. Intra-day assay and inter-day assay in medium samples.

(A) Intra-day assay for compounds with analysis of positive ion mode

Analytes	Precision (CV, %)			Accuracy (RE, %)		
	QCL	QCM	QCH	QCL	QCM	QCH
	0.6 ng/mL	6 ng/mL	50 ng/mL	0.6 ng/mL	6 ng/mL	50 ng/mL
Testosterone	2.01	1.44	1.98	-5.95	6.50	-6.25
Androsterone	9.57	1.64	9.21	-4.11	1.54	-1.16
Epiandrosterone	11.5	1.82	3.78	-35.6	-3.88	-2.15
DHEA	15.0	9.50	5.01	10.6	9.52	3.48
Cortisol	3.48	1.48	2.47	0.853	3.80	-1.44
Cortisone	5.20	2.12	2.27	-0.080	2.92	-7.66
Corticosterone	2.81	1.81	1.64	-6.27	-0.319	-6.76
Aldosterone	17.8	2.77	4.94	-4.77	2.97	9.99
Pregnenolone	5.13	7.70	6.70	-11.1	2.73	7.83
Progesterone	5.65	3.98	1.79	3.71	2.76	-1.65

(B) Intra-day assay for compounds with analysis of negative ion mode

Analytes	Precision (CV, %)			Accuracy (RE, %)		
	QCL	QCM	QCH	QCL	QCM	QCH
	0.06 ng/mL	0.6 ng/mL	50 ng/mL	0.06 ng/mL	0.6 ng/mL	50 ng/mL
Estrone	1.54	4.96	0.969	1.92	3.73	-0.69
Estradiol	3.09	2.56	6.27	-4.00	2.45	-10.1
Estriol	7.57	8.01	0.347	5.87	2.82	-6.76

CV, coefficient of variation; N.Q., not quantified; QCH, high concentration of quality control level; QCL, low concentration of quality control level; QCM, medium concentration of quality control level; RE, Relative error.

(C) Inter-day assay for compounds with analysis of positive ion mode

Analytes	Precision			Accuracy		
	(CV, %)			(RE, %)		
	QCL 0.6 ng/mL	QCM 6 ng/mL	QCH 50 ng/mL	QCL 0.6 ng/mL	QCM 6 ng/mL	QCH 50 ng/mL
Testosterone	9.69	5.17	1.33	-15.5	2.20	-6.92
Androsterone	17.4	3.89	7.48	1.45	2.02	-0.563
Epiandrosterone	11.9	4.92	3.84	-12.9	0.414	-0.862
DHEA	14.4	6.96	4.18	4.98	3.87	1.07
Cortisol	2.89	3.46	3.13	1.98	2.83	-0.326
Cortisone	3.59	2.91	4.44	1.62	2.97	-4.49
Corticosterone	5.18	3.84	3.46	-2.53	-1.02	-6.44
Aldosterone	20.3	9.28	8.85	-13.0	-6.24	1.06
Pregnenolone	9.14	6.80	8.14	-1.91	2.24	2.53
Progesterone	6.60	4.98	1.98	-0.492	-0.605	-1.35

(D) Inter-day assay for compounds with analysis of negative ion mode

Analytes	Precision			Accuracy		
	(CV, %)			(RE, %)		
	QCL 0.06 ng/mL	QCM 0.6 ng/mL	QCH 50 ng/mL	QCL 0.06 ng/mL	QCM 0.6 ng/mL	QCH 50 ng/mL
Estrone	11.8	4.82	2.25	-3.50	-0.198	-0.0681
Estradiol	11.4	3.13	3.69	-5.58	2.25	-9.80
Estriol	11.1	5.75	2.61	0.0550	0.348	-8.52

CV, coefficient of variation; N.Q., not quantified; QCH, high concentration of quality control level; QCL, low concentration of quality control level; QCM, medium concentration of quality control level; RE, Relative error.