

Supplementary Table S3. Recovery for endogenous steroids in human serum as measured by GC-MS/MS.

Steroid	Added [pg]			Recovery (RSD) [%]		
	level 1	level 2	level 3	level 1	level 2	level 3
Pregnenolone	10000	500	31.3	74 (15)	67 (12)	69 (13)
17 α -Hydroxypregnenolone	2000	500	31.3	65 (11)	59 (6.2)	55 (7.1)
16 α -Hydroxypregnenolone	500	31.3	7.81	120 (16)	110 (6.7)	120 (10)
20 α -Dihydropregnenolone	2000	500	31.3	76 (4)	79 (10)	77 (6.8)
Dehydroepiandrosterone (DHEA)	10000	500	31.3	120 (7.7)	120 (2.7)	110 (15)
7 α -Hydroxy-DHEA	31.3	7.81	0.488	110 (5.1)	120 (4.3)	100 (2.4)
7-oxo-DHEA	31.3	7.81	1.95	120 (12)	120 (14)	120 (14)
7 β -Hydroxy-DHEA	31.3	7.81	1.95	100 (5.8)	88 (8.5)	96 (6.6)
Androstenediol	10000	2000	7.81	110 (4.7)	82 (3.9)	110 (5.7)
5-Androstene-3 β ,7 α ,17 β -triol	7.81	1.95	0.488	90 (12)	78 (13)	85 (11)
5-Androstene-3 β ,7 β ,17 β -triol	7.81	1.95	0.488	99 (12)	88 (5)	98 (11)
5-Androstene-3 β ,16 α ,17 β -triol	2000	500	125	82 (3.3)	84 (17)	83 (7.5)
Progesterone	10000	500	1.95	87 (5.2)	76 (12)	69 (12)
17 α -Hydroxyprogesterone	500	125	7.81	82 (4.2)	92 (1)	77 (16)
17 α ,20 α -Dihydroxy-4-pregnene-3-one	500	125	7.81	88 (7.4)	47 (5.6)	60 (9)
16 α -Hydroxyprogesterone	2000	31.3	0.488	100 (18)	92 (12)	100 (14)
20 α -Dihydroprogesterone	500	31.3	1.95	89 (3.6)	90 (6.4)	99 (11)
Androstenedione	125	31.3	7.81	120 (13)	120 (7.2)	110 (8.9)
Testosterone	125	31.3	7.81	110 (10)	110 (7.6)	120 (2.9)
Epitestosterone	2000	500	125	85 (6.3)	99 (7.6)	100 (5)
16 α -Hydroxytestosterone	500	125	31.3	74 (14)	66 (13)	58 (2.6)
5 α -Dihydrotestosterone	31.3	7.81	1.95	83 (6.1)	79 (8.1)	82 (12)
Estrone	10000	2000	31.3	95 (11)	110 (6.5)	95 (16)
Estradiol	2000	125	31.3	79 (18)	70 (17)	60 (5.9)
Estriol	2000	500	125	54 (0.43)	76 (14)	74 (12)
5 α -Dihydroprogesterone	2000	500	125	50 (4)	46 (4.7)	43 (1.9)
Allopregnanolone	2000	125	7.81	56 (3.8)	49 (1.9)	50 (2.1)
Isopregnanolone	2000	125	7.81	67 (4.2)	50 (5)	58 (12)
5 β -Dihydroprogesterone	500	125	31.3	50 (0.93)	46 (4.4)	46 (0.61)
Pregnanolone	2000	500	125	68 (6.3)	63 (7.4)	56 (3.8)
Epipregnanolone	2000	125	31.3	53 (0.52)	48 (4.1)	48 (6.8)

Supplementary Table S3., continued.

Steroid	Added [pg]			Recovery (RSD) [%]		
	level 1	level 2	level 3	level 1	level 2	level 3
5 α ,20 α -Tetrahydroprogesterone	2000	125	7.81	61 (2.4)	61 (15)	56 (8.3)
5 α -Pregnane-3 α ,20 α -diol	2000	125	31.3	66 (2.7)	84 (13)	80 (4.8)
5 α -Pregnane-3 β ,20 α -diol	2000	125	7.81	74 (4.9)	66 (9.1)	71 (4.5)
5 β ,20 α -Tetrahydroprogesterone	500	125	31.3	63 (5.3)	55 (5)	61 (8.4)
5 β -Pregnane-3 α ,20 α -diol	2000	125	7.81	75 (5.9)	68 (5.1)	74 (12)
5 β -Pregnane-3 β ,20 α -diol	2000	500	31.3	65 (5.4)	66 (4.1)	69 (7.9)
17 α -Hydroxyallopregnanolone	125	7.81	1.95	65 (8.3)	62 (9)	65 (4.2)
17 α -Hydroxypregnanolone	125	7.81	1.95	68 (9.9)	66 (8.7)	71 (1.6)
5 α -Pregnane-3 α ,17 α ,20 α -triol	500	125	1.95	57 (15)	81 (8.1)	74 (4.7)
5 α -Pregnane-3 β ,17 α ,20 α -triol	125	7.81	1.95	55 (5.6)	62 (1.2)	64 (11)
5 β -Pregnane-3 α ,17 α ,20 α -triol	500	125	1.95	54 (15)	59 (11)	55 (2.2)
5 α -Androstane-3,17-dione	125	7.81	1.95	100 (8.3)	94 (11)	97 (6.4)
Androsterone	10000	125	1.95	99 (11)	110 (6.7)	100 (1.6)
Epiandrosterone	500	7.81	1.95	110 (8.4)	110 (7.6)	120 (2.1)
Etiocholanolone	500	125	1.95	85 (4.5)	63 (5.9)	75 (6.4)
Epietiicholanolone	500	125	31.3	110 (14)	93 (6)	110 (8.7)
5 α -Androstane-3 α ,17 β -diol	2000	125	7.81	88 (5.6)	91 (8.5)	89 (14)
5 α -Androstane-3 β ,17 β -diol	2000	1.95	0.488	88 (6.8)	77 (13)	70 (6.2)
5 β -Androstane-3 α ,17 β -diol	125	31.3	0.488	110 (7.6)	110 (8.7)	100 (13)
5 β -Androstane-3 β ,17 β -diol	125	31.3	0.488	95 (8.1)	99 (12)	86 (7.6)
Cortisol	10000	2000	500	98 (2.1)	94 (7.3)	95 (4.1)
Cortisone	10000	2000	500	95 (8.5)	100 (7.3)	100 (5.6)
Corticosterone	500	125	7.81	87 (8.1)	81 (13)	86 (15)
21-Deoxycortisol	31.3	7.81	1.95	84 (11)	78 (5.7)	81 (10)
11-Deoxycorticosterone	500	125	31.3	110 (7.2)	90 (7.9)	95 (0.37)
3 α ,5 α -Tetrahydrocorticosterone	500	125	1.95	92 (15)	85 (6.4)	95 (10)
3 α ,5 β -Tetrahydrocorticosterone	500	1.95	0.488	89 (3.6)	110 (10)	100 (9.1)
11 β -Hydroxyandrostenedione	2000	500	7.81	120 (9.3)	120 (4.6)	120 (7.1)
11 β -Hydroxyandrosterone	500	125	31.3	110 (11)	99 (3.4)	96 (3.5)
11 β -Hydroxyepiandrosterone	125	31.3	1.95	110 (9.3)	110 (6.7)	91 (8.4)
11 β -Hydroxyetiocholanolone	125	31.3	1.95	110 (6.4)	110 (11)	110 (12)