

Table S1: inter-day repeatability (rsd %) reached for each target steroid hormones with the applied GC-MS/MS measurement method from tissue samples (basis of 10 mg samples).

| Name | inter-day repeatability (rsd%, n=8) | | |
|---|-------------------------------------|-----------|------------|
| | 10 µg/kg | 100 µg/kg | 1000 µg/kg |
| Pregnenolone | 14.6 | 12.3 | 10.5 |
| 17αOH-pregnenolone | 23.5 | 8.5 | 8.8 |
| DHEA | 6.2 | 4.1 | 5.2 |
| 5-androstene-3α,17β-diol | 7.2 | 8.0 | 11.9 |
| 5-androstene-3β,17α-diol | 17.9 | 10.1 | 13.2 |
| 5-androstene-3β,17β-diol | 12.6 | 17.7 | 14.6 |
| Progesterone | 8.1 | 9.5 | 3.1 |
| 17αOH-progesterone | 17.7 | 17.6 | 5.4 |
| Androstendione | 8.7 | 6.9 | 4.4 |
| 17β-testosterone | 3.2 | 2.2 | 1.9 |
| 17α-testosterone | 4.3 | 3.5 | 5.2 |
| 5α-pregnane-17α-ol-3,20-dione_(17αOH-dihydroprogesterone) | 6.5 | 8.9 | 8.9 |
| 5α-Androstanedione | 8.4 | 9.3 | 8.6 |
| 5β-Androstanedione | 7.2 | 10.2 | 10.8 |
| 5α-dihydrotestosterone_(5α-DHT) | 6.4 | 3.4 | 3.9 |
| 5α-pregnane-3α-ol-20-one_(Allopregnanolone) | 7.8 | 4.1 | 5.8 |
| 5α-pregnane-3α,17-diol-20-one_(17αOH-Allopregnanolone) | 11.9 | 13.8 | 13.1 |
| Androsterone | 3.5 | 4.1 | 3.1 |
| Epiandrosterone | 7.9 | 7.2 | 6.4 |
| Etiocholanolone | 7.1 | 4.8 | 6.0 |
| 5α-Androstane-3α,17α-diol | 8.6 | 9.0 | 9.5 |
| 5α-Androstane-3α,17β-diol | 11.8 | 8.8 | 9.2 |
| 5α-Androstane-3β,17α-diol | 3.5 | 6.4 | 6.7 |
| 5α-Androstane-3β,17β-diol | 11.5 | 5.8 | 6.7 |
| 5β-Androstane-3α,17α-diol | 17.2 | 6.4 | 5.5 |
| 5β-Androstane-3α,17β-diol | 14.0 | 7.0 | 7.3 |
| 5β-Androstane-3β,17α-diol | 11.3 | 10.9 | 10.8 |
| 5β-Androstane-3β,17β-diol | 10.5 | 12.3 | 10.4 |
| Name | inter-day repeatability (rsd%, n=5) | | |
| | 0.1 µg/kg | 0.5 µg/kg | 5 µg/kg |
| 17α-estradiol | 13.4 | 10.4 | 9.0 |
| 17β-estradiol | 18.2 | 13.2 | 9.5 |
| Estrone | 13.6 | 9.3 | 5.5 |