



Corrigendum

Corrigendum to "Isolation and detection of steroids from human urine by molecularly imprinted solid-phase extraction and liquid chromatography" [J. Chromatogr. B 877 (2009) 1177–1184]

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The following correction should be made to the discussion of analysis for urine samples. The samples were filtered with a polytetrafluoroethylene (PTFE) membrane to prevent clogging of the sorbent by the sample without any other pretreatment and the samples were determined to be free of testosterone, estradiol and progesterone. To check the accuracy of the developed method based on on-line molecularly imprinted solid-phase extraction coupled with HPLC (MISPE-HPLC), the urine samples were spiked with steroid solutions at levels of 10–100 $\mu\text{g mL}^{-1}$. Briefly, from 60 to 300 μL of a standard steroid solution (at 10–100 $\mu\text{g mL}^{-1}$) was added to 100 mL of a urine sample. Only 1 mL of the urine was applied in the MISPE procedure, and the free steroids were determined in this spiked sample. The following version of Table 6 has been corrected to reflect the measured values for these spiked samples.

Table 6
Steroids concentration in human urine of volunteers.

Human volunteers	Range of concentration (ng/mL)	Mean amount recovered (ng/mL)	Standard deviation ($n = 3$)
Progesterone			
Men (30–40 age)	0.49–1.62	1.15	0.59
Women (20–30 age)	14.67–22.5	17.81	2.29
Women + drugs (20–30 age)	19.71–34.02	27.08	7.33
Girls (8–12 age)	2.49–4.03	3.32	0.78
Testosterone			
Men (30–40 age)	13.68–23.07	18.29	4.07
Women (20–30 age)	0.18–6.65	2.88	0.96
Women + drugs (20–30 age)	1.49–7.82	4.16	3.28
Boys (8–12 age)	5.99–16.12	11.1	5.06
17β-Estradiol			
Men (30–40 age)	1.83–6.2	4.17	2.2
Women (20–30 age)	12.44–19.58	15.76	3.6
Women + drugs (20–30 age)	8.34–11.22	8.35	2.87
Boys (8–12 age)	1.13–3.87	2.15	1.5
Girls (8–12 age)	0.63–1.62	1.02	0.53

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