J. Braz. Chem. Soc., Vol. 00, No. 00, S1, 2012.
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0103 - 5053 $6.00+0.00

Supplementary Information

Quantitative Approach to Glucocorticosteroids Analysis in Human Urine using LC-MS/MS

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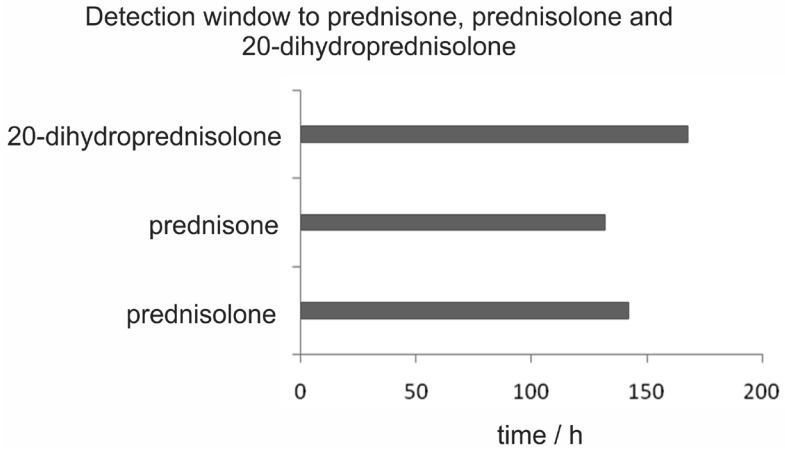

Figure S1. Detection window for prednisolone, prednisone and 20-dihydroprednisolone.

Table S1. Validation data obtained for the fourteen exogenous glucocorticosteroids evaluated

	Analyte	Recovery	Linearity (r^2)*	LOD / (ng mL^{-1})	Intra-assay precision / (CV%)**
1	triamcinolone	71.0	0.9954	5.0	12.2
2	fluprednisolone	90.8	0.9989	3.0	13.5
3	prednisolone	99.6	0.9977	5.0	10.6
4	prednisone	89.7	0.9985	3.0	11.5
5	fludrocortisone	93.3	0.9948	5.0	12.2
6	6α-methylprednisolone	111.9	0.9952	5.0	14.5
7	flumethasone	106.3	0.9983	5.0	16.5
8	betamethasone	104.7	0.9913	3.0	13.03
9	flunisolide**[b]	98.7	0.9951	3.0	9.08
10	triamcinolone acetonide**[b]	105.1	0.9955	3.0	7.3
11	fluocortolone	91.8	0.9985	1.0	9.0
12	desonide	98.4	0.9957	5.0	8.3
13	budesolide	102.5	0.9935	3.0	10.9

*All analytes present linearity in homoscedastic model; **evaluated in LOQ (15 ng mL^{-1}).

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