Supplementary Table 2: Intra- and inter-batch coefficients of variation (CVs) for 14 urinary EMs.

|  |  |  |
| --- | --- | --- |
| **Individual and grouped EMs** | **Intra-batch CV (%)** | **Inter-batch CV (%)** |
| **Parent EMs** |  |  |
|  Estrone  | 9 | 9 |
|  Estradiol  | 9 | 9 |
| **Catechol EMs** |  |  |
| **2-Catechol EMs** |  |  |
|  2-Hydroxyestrone  | 7 | 10 |
|  2-Hydroxyestradiol  | 9 | 6 |
| **4-Catechol EMs** |  |  |
|  4-Hydroxyestrone  | 10 | 6 |
| **Methylated Catechol EMs** |  |  |
| **Methylated 2-catechol EMs** |  |  |
|  2-Methoxyestrone  | 6 | 6 |
|  2-Methoxyestradiol  | 7 | 7 |
|  2-Hydroxyestrone-3-methyl ether  | 9 | 9 |
| **Methylated 4-Catechol EMs** |  |  |
|  4-Methoxyestrone | 10 | 13 |
|  4-Methoxyestradiol | 9 | 14 |
| **16-Hydroxylation pathway EMs** |  |  |
|  16α-Hydroxyestrone  | 6 | 9 |
|  17-Epiestriol  | 7 | 7 |
|  Estriol  | 10 | 10 |
|  16-Ketoestradiol  | 6 | 9 |

Intra- and inter-batch CVs were calculated from quality control (QC) samples, with 3 QC samples per analytical batch in each of six independent consecutive batches. QC samples comprised 2ng/ml of EMs in estrogen-free (charcoal stripped) human urine.