**SUPPLEMENTAL DATA**

**Table S3**: Recovery of QCs stored at freezer -80 °C compared to T = 0 (%)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Analyte | QC sample | T = 168 h | T = 1 m | T = 2 m | T = 3 m | T = 6 m | T = 12 m |
| Amoxicillin | L  H | 98.9  93.8 | 101.4  95.3 | 94.3  94.8 | 98.2  95.8 | 100.9  95.5 | 102.2  100.4 |
| Benzylpenicillin | L  H | 97.5  93.3 | 101.8  99.0 | 107.3  104.8 | 111.2  109.0 | 108.7  99.8 | 115.2  105.7 |
| Cefotaxime | L  H | 110.2  108.1 | 115.1  115.5 | 105.3  105.7 |  |  | 111.7  110.0 |
| Ceftazidime | L  H | 107.2  109.0 | 119.0  119.7 | 99.9  105.2 |  | 103.1  105.8 | 108.3  109.1 |
| Ceftriaxone | L  H | 107.4  104.4 | 102.5  99.6 | 105.3  106.4 | 104.2  106.8 | 104.1  90.4 | 103.2  113.1 |
| Cefuroxime | L  H | 99.6  101.0 | 106.6  105.8 | 98.9  100.6 |  |  | 107.5  105.3 |
| Flucloxacillin | L  H | 99.8  100.1 | 98.9  95.8 | 106.4  105.5 | 116.3  113.0 | 117.3  114.2 | 99.2  95.1 |
| Imipenem | L  H |  | 109.4  108.7 | 104.5  100.6 |  | 105.1  103.1 | 124.2  116.1 |
| Meropenem | L  H |  | 98.2  100.7 | 98.0  98.4 |  | 112.4  106.5 | 105.2  97.9 |
| Piperacillin | L  H | 88.1  78.6 | 93.4  86.7 | 104.6  96.8 | 98.4  95.5 | 106.9  95.1 | 82.0  83.2 |