|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Analyte** | **QC** | **Conc.** **(mg/L)** | **Accuracy**CV (%) | **Intra-day imprecision**CV (%) | **Inter-day imprecision**CV (%) |
| Amoxicillin | Low MediumHigh | 5.010.120.2 | -5.6-11.1-1.2 | 5.35.45.7 | 7.29.14.7 |
| Benzylpenicillin | Low MediumHigh | 16.933.967.7 | -1.4-0.39.5 | 8.510.95.7 | 5.07.68.5 |
| Cefotaxime | Low MediumHigh | 9.318.637.2 | 2.83.04.7 | 3.12.73.8 | 5.86.88.0 |
| Ceftazidime | LowMediumHigh | 8.015.931.9 | 8.08.49.2 | 3.23.54.9 | 8.46.36.9 |
| Ceftriaxone | LowMediumHigh | 4.08.016.0 | -5.2-2.6-2.0 | 5.52.33.4 | 6.25.16.6 |
| Cefuroxime | LowMediumHigh | 7.515.130.2 | -0.3-1.60.9 | 6.33.06.5 | 8.17.07.6 |
| Flucloxacillin | LowMediumHigh | 21.342.785.4 | 0.8-1.50.5 | 6.95.85.6 | 7.27.67.9 |
| Imipenem | LowMediumHigh | 10.821.643.3 | 2.7-4.1-6.2 | 2.62.44.7 | 4.25.06.0 |
| Meropenem | LowMediumHigh | 9.819.639.2 | 4.3-0.50.4 | 2.72.43.8 | 3.04.85.4 |
| Piperacillin | LowMediumHigh | 20.841.583.1 | -5.6-6.010.1 | 6.75.27.3 | 7.76.76.0 |

**SUPPLEMENTAL DATA**

**Table S1**: Summary of validation data