**Supplemental digital content**

**Supplemental Digital Content 1: Selectivity.**

All values are presented as the mean of two determinations for each donor in cps. ACV: aciclovir, AMP: ampicillin, CFX: cefuroxime, CIP: ciprofloxacin, LLOQ: lower limit of quantification, MEM: meropenem, MTZ: metronidazole, PIP: piperacillin, RIF: rifampicin, TAZ: tazobactam.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  **Donor****Antimicrobial** | **1** | **2** | **3** | **4** | **5** | **6** | **20%/5% LLOQ** |
| ACV | 1585.0 | 1485.0 | 1105.0 | 1085.0 | 1230.0 | 1055.0 | 6700 |
| AMP | 900.5 | 1057.5 | 846.5 | 973.0 | 946.5 | 887.5 | 40600 |
| CFX | 125.0 | 65.5 | 68.1 | 73.4 | 65.5 | 57.9 | 11940 |
| CIP | 4005.0 | 2510.0 | 1945.0 | 1860.0 | 1400.0 | 2610.0 | 23400 |
| MEM | 1205.0 | 985.5 | 1288.5 | 1001.5 | 1130.0 | 789.0 | 4440 |
| MTZ | 14800.0 | 13950.0 | 12300.0 | 11700.0 | 11700.0 | 10650.0 | 41200 |
| PIP | 407.5 | 363.0 | 308.5 | 182.5 | 164.5 | 200.5 | 18200 |
| RIF | 5520.0 | 3475.0 | 2495.0 | 1885.0 | 2035.0 | 1560.0 | 62800 |
| TAZ | 345.5 | 338.5 | 296.5 | 211.0 | 203.0 | 345.5 | 11640 |
| Piperacillin-d5 *IS* | 12.9 | 60.1 | 32.8 | 58.7 | 66.4 | 16.7 | 39400 |
| Dicloxacillin *IS* +  | 1105.0 | 647.5 | 489.5 | 416.5 | 389.0 | 326.5 | 370500 |
| Dicloxacillin *IS* - | 216.0 | 1110.5 | 711.0 | 540.5 | 436.5 | 390.5 | 443000 |