**Table S1** Concentrations of ivermectincombined with diminazene aceturate and atovaquone against *Babesia* and *Theileria* parasites *in vitro*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Parasite** | **Concentration**  | **Ivermectin** | **Diminazene aceturate** | **Atovaquone** | **Clofazimine** |
| ***B. bovis*** | **T1**  |  13.325 | 0.0875  | 0.00975 | 2.06 |
| **T2** |  26.65 | 0.175 | 0.0195 | 4.12  |
| **T3** |  53.3 | 0.35 | 0.039 | 8.24 |
| **T4** | 106.6 | 0.7 |  0.078  | 16.48 |
| **T5** | 213.2 | 1.4 | 0.156 | 32.96 |
|  |  |  |  |  |  |
| ***B. bigemina*** | **T1**  |  24.65 | 0.17 | 0.17525 | 1.4325 |
| **T2** |  49.3 | 0.34 | 0.3505 | 2.865 |
| **T3** |  98.6 | 0.68 | 0.701 | 5.73 |
| **T4** | 197.2 | 1.36 | 1.402 | 11.46 |
| **T5** | 394.4 | 2.72 | 2.804 | 22.92 |
|  |  |  |  |  |  |
| ***B. divergens*** | **T1**  |  7.525 | 0.1075 | 0.0095 | 3.4625 |
| **T2** |  15.05 | 0.215 | 0.019 | 6.925 |
| **T3** |  30.1 | 0.43 | 0.038 | 13.85 |
| **T4** |  60.2 | 0.86 | 0.076 | 27.7 |
| **T5** | 120.4 | 1.72 | 0.152 | 55.4 |
|  |  |  |  |  |  |
| ***B. caballi*** | **T1**  |  10.925 | 0.0055 | 0.0255 | 1.9875 |
| **T2** |  21.85 | 0.011 | 0.051 | 3.975 |
| **T3** |  43.7 | 0.022 | 0.102 | 7.95 |
| **T4** |  87.4 | 0.044 | 0.204 | 15.9 |
| **T5** | 174.8 | 0.088 | 0.408 | 31.8 |
|  |  |  |  |  |  |
| ***T. equi*** | **T1**  |  22.525 | 0.775 | 0.02375 | 0.72 |
| **T2** |  45.05 | 0.355 | 0.0475 | 1.44 |
| **T3** |  90.1 | 0.71 | 0.095 | 2.88 |
| **T4** | 180.2 | 1.42 | 0.19 | 5.76 |
| **T5** | 360.4 | 2.84 | 0.38 | 11.52 |

Note: a**T1–T5** refer to the concentrations (**µM**) of ivermectincombined with diminazene aceturate and atovaquone. Combined concentrations were based on the calculated IC50 values obtained from the *in vitro* fluorescence-based assay