

Table 2. Pharmacokinetic parameters of ivermectin in plasma and milk estimated for mares and foals

PK parameters	Mares		Foals
	Plasma	Milk	Plasma
C_{max} (ng/ml)	39.5 ± 13.2	17.9 ± 5.9 **	0.5 ± 0.1***
T_{max} (days)	0.33 ± 0.00	0.72 ± 62	1.8 ± 1.1
AUC C-last (ng/mL*day)	91.8 ± 37.7	45.8 ± 13.4 *	2.6 ± 0.7 ***
$t_{1/2}$ (days)	3.5 ± 0.7	2.8 ± 0.5	12.2 ± 7.7 *
MRT (days)	4.67 ± 0.8	4.3 ± 0.5	18.1 ± 11.0 *
AUC _{milk/plasma} ratio		0.57 ± 0.27	

C_{max} : Maximal concentration; T_{max} : Time to reach peak plasma concentration; AUC: area under the curve; AUC C-last: AUC to the last value above quantification limit; $t_{1/2}$: drug half-life; MRT: mean residence time;

Statistical analysis using unpaired t test (Prism6) compared with mare plasma parameters.

* $P < 0.05$; ** $P < 0.01$; *** $P < 0.001$