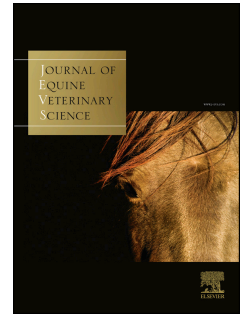


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Concentrations of sulfadiazine and trimethoprim in blood and endometrium of mares following administration of an oral suspension

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14

15 **Abstract:**

16

17 The objective of this experiment was to assess the concentrations of sulfadiazine and
18 trimethoprim in the blood and endometrium of non-pregnant mares following oral treatment. We
19 hypothesized that the potentiated sulfonamide would reach tissue concentrations greater than the
20 minimum inhibitory concentration (MIC) reported for common pathogens. Over two breeding
21 seasons, mares in estrus were treated with sulfadiazine-trimethoprim (Equisul-SDT^{®a}), 333
22 mg/67 mg combination per mL, at a dosage of 24 mg/kg, orally, every 12 h for five treatments.
23 Blood was obtained at 0, 12, 36 and 60 h. An endometrial biopsy was also performed at 60 h. In

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