

Trop. Vet. 8, 213-218 (1990)

Survival period of *Trypanosoma vivax* and *T. congolense* in Cattle Blood and of *T. brucei* in Goat Blood.

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ABSTRACT

Investigations on the survival periods of *Trypanosoma vivax* and *T. congolense* in cattle blood and of *T. brucei* in goat blood showed that the parasite survived longer at 4°C than at room temperature. The survival periods were directly related to the initial parasitaemia of blood samples. There was no significant difference between the survival periods of *T. vivax* and *T. congolense* in cattle blood both at room temper and at 4°C. Storage of blood samples at 4°C prolonged survival of both *T. vivax* and *T. congolense* by 24h in cattle blood and of *T. brucei* by 48 to 72h in goat blood. In spite of relatively high parasitaemia. *T. brucei* parasites in goat blood at 4°C were no longer infective for mice at 48h indicating that infectivity of the parasites declined faster than ordinary Survival.

Keyword

Cattle - Goats - *T. vivax* - *T. congolense* - *T. brucei* - Blood - Survival period