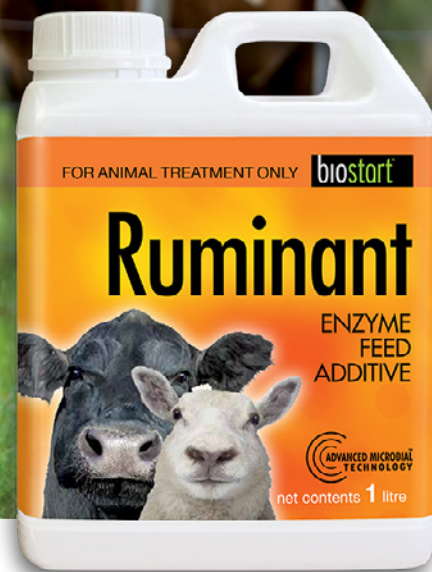


Ruminant | Trial Sheet

Ruminant is compatible with Anthelmintic Drenches



Background

Biostart recommends that Ruminant, a prebiotic for sheep and cattle to improve rumen function and animal well-being, can be pre-mixed and then co-applied, with a wide range of anthelmintic drenches.

This trial measured the concentration of anthelmintic active ingredients in three commonly used sheep and cattle drenches 24 hours after mixing with Biostart Ruminant.

Trial Description

An equal amount of Ruminant was mixed with three different anthelmintic drenches and incubated at room temperature for 24 hours. The level of abamectin and/or levamisole was measured by HPLC at 0 and 24 hours after mixing.

- Alleva CORPORAL® Mineralised Sheep Drench
Active ingredients: Albendazole 23.8mg/mL, Levamisole HCL 37.5mg/mL
- Alleva CORPORAL® Dual Combination Sheep and Cattle Drench
Active ingredients: Oxfendazole 90.6g/L and Levamisole HCL 150g/L
- Merial MATRIX® Hi Mineral Sheep Drench
Active ingredients: Abamectin 1.0 % w/v, Levamisole HCL 4.0 %w/v, Oxfendazole 2.276 % w/v.

Results

24 hours after mixing Ruminant with the drenches there was no change to the concentration of the active.

Ruminant did not affect the Levamisole concentration in Alleva CORPORAL Mineralised or Dual Combination Drench (Figure 1).

Ruminant did not affect the Abamectin or Levamisole concentration in Merial MATRIX Drench (Figure 2).

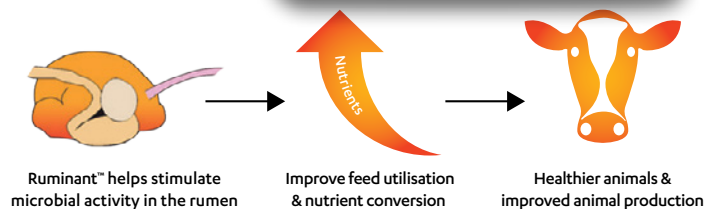


Figure 1. Effect of Ruminant on Levamisole Concentration in a Drench

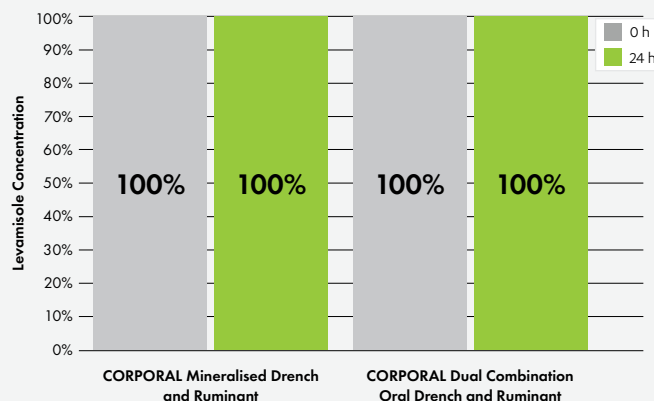
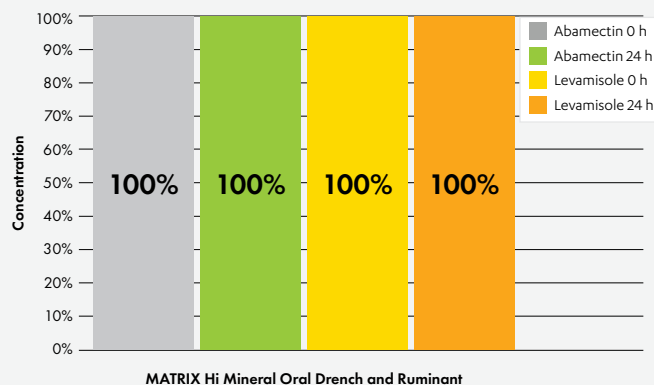


Figure 2. Effect of Ruminant on Abamectin and Levamisole Concentration in a Drench



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