HUVEPHARMA®

HydroTrim®

Excellent stability of HydroTrim® in the drinking water

Trial description

Objective

The aim of this trial was to evaluate the stability of HydroTrim® in hard and soft drinking water for 24 hours after administration.

Set-up

- 330 mg HydroTrim®, corresponding to 167 mg sulfadiazine and 33 mg trimethoprim, was dissolved in 1 l hard and soft water at room temperature.
- The parameters listed below were measured just before the addition of HydroTrim®.

	Calcium carbonate concentration	pH
Hard water	342 mg/l	8.14
Soft water	20 mg/l	5.82

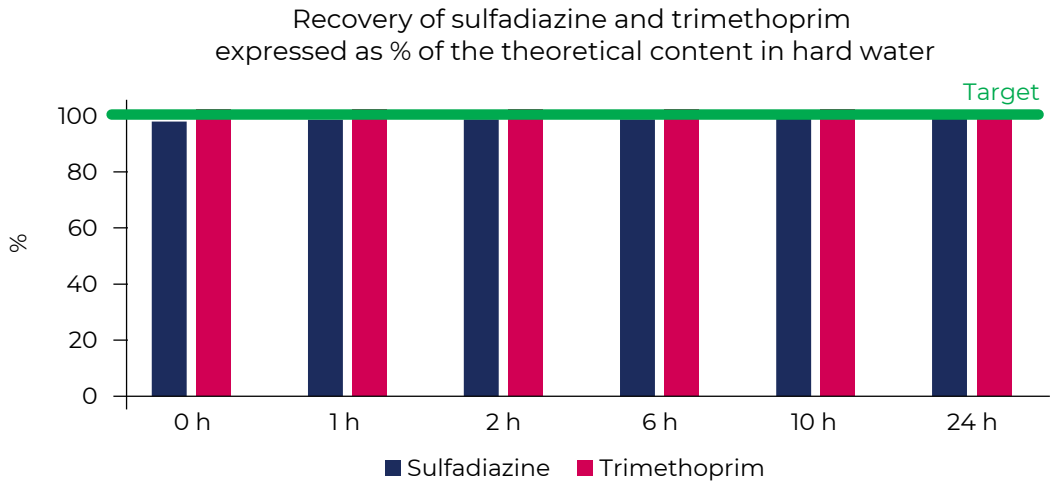
- The medicated water was stirred for 10 seconds to obtain a clear dissolution for 24 h.

Measured parameters

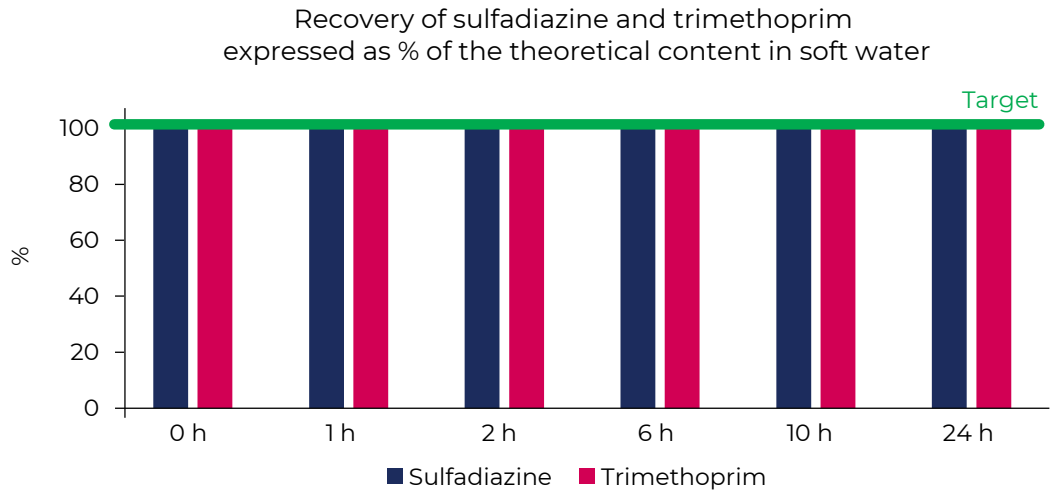
- The content of sulfadiazine and trimethoprim in the drinking water was determined by High Performance Liquid Chromatography at 0 h, 1 h, 2 h, 6 h, 10 h and 24 h after administration of Hydrotrim® in the drinking water.
- The recovery of sulfadiazine and trimethoprim was expressed as % of the theoretically expected content.

Results

Hard water



Soft water



Conclusions

HydroTrim® demonstrated a perfect stability for 24 h after administration in hard and soft water.

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