

# Flumequine 20% Liquid Solution

Liquid Solution  
(FOR VETERINARY USE ONLY)

## COMPOSITION

Flumequine .....200 g/L

## PRODUCT DESCRIPTION

The finished product is light yellowish colored solution

## PHARMACODYNAMICS

Flumequine is an anti-infective for the synthesis of quinolone. It acts on the nucleic acid level by blocking DNA replication in bacteria. The molecular target is DNA gyrase, involved in the spiral winding of DNA. Flumequine has a dose-dependent bactericidal activity against Gram-negative. It has also an effect on some Gram-positive bacteria (including staphylococci)

## PHARMACOKINETICS

Flumequine is very often well absorbed after administration of oral specialty. Its bioavailability is approximately 76-100% in calves, 57% in chickens, 7% in pigeons. T<sub>max</sub> was reached after about 2-3 hours and C<sub>max</sub> varies between species and specialty. The rate of protein binding of flumequine is relatively high (75% calves, 39% in pigeons). Pharmacokinetic parameters are linearly correlated to doses administered flumequine. No accumulation in the blood or enzyme induction or inhibition is observed. Flumequine is metabolized in the liver mainly 7-hydroxy-flumequine and flumequine secondarily glucuronide. It undergoes a relatively rapid elimination phase. Its half-life is approximately 1.5 hours in the pigeon, 2 h in calves, 7 pm in the chicken. Flumequine is mainly excreted in the urine as glucuronide flumequine and flumequine.

## INDICATIONS

Specific indications for poultry are: - respiratory tract infections caused by *Pasteurella multocida*; - enteritis caused by *E. coli* and *Salmonella* spp.

## CONTRA-INDICATIONS

Not to be used along with, trimethoprim and sulfonamides. Do not use in laying hens producing egg for human consumption. Do not use in animals know to have hypersensitivity to quinolones.

## ADMINISTRATION & DOSAGE

In poultry: 12 mg of flumequine per kg of bodyweight per day for 5 days orally. The amount of drinking water consumed by animals depends on their physiological and clinical condition. To obtain the recommended dose, the concentration of flumequine should be adjusted accordingly.



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**INTERACTION WITH OTHER MEDICAMENTS**

Do not use concomitantly with trimethoprim and sulfonamide.

**PREGNANCY AND LACTATION**

Not applicable.

**SIDE EFFECT**

None known.

**OVERDOSE AND TREATMENT**

Intake more water or fluid.

**WITHDRAWAL TIME**

For chicken is 7 days. Eggs: In the absence of waiting times for eggs, do not use in species producing eggs for human consumption, 4 weeks before the start of laying and during it.

**WARNING AND PRECAUTIONS**

Special precautions for use in animals: The use of quinolones should be based on susceptibility testing whenever possible, and should take into account government policies and local use of antibiotics. The use of quinolones beyond the recommendations of the SPC may increase the prevalence of bacteria resistant to quinolones and may decrease the effectiveness of treatment with other (fluoro) quinolones in view of possible cross-resistance.

Keep out of reach of children.

**SHELF LIFE**

24 months from date of manufacture. After first opening of container, please keep air tight and use within 3 months. Finish treatment within 12 hours after mixing or dilution.

**STORAGE**

Store in a cool & dry place ( $\leq 25^{\circ}\text{C}$ ). Strictly avoid direct sunlight & heat exposure.

**PACKAGING**

Product is filled in plastic bottle of 1000 ml, sealed with aluminum foil and aluminum screw cap, fitted guarantee plastic cap.

**DATE OF REVISION:** 10 Jun 2019



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