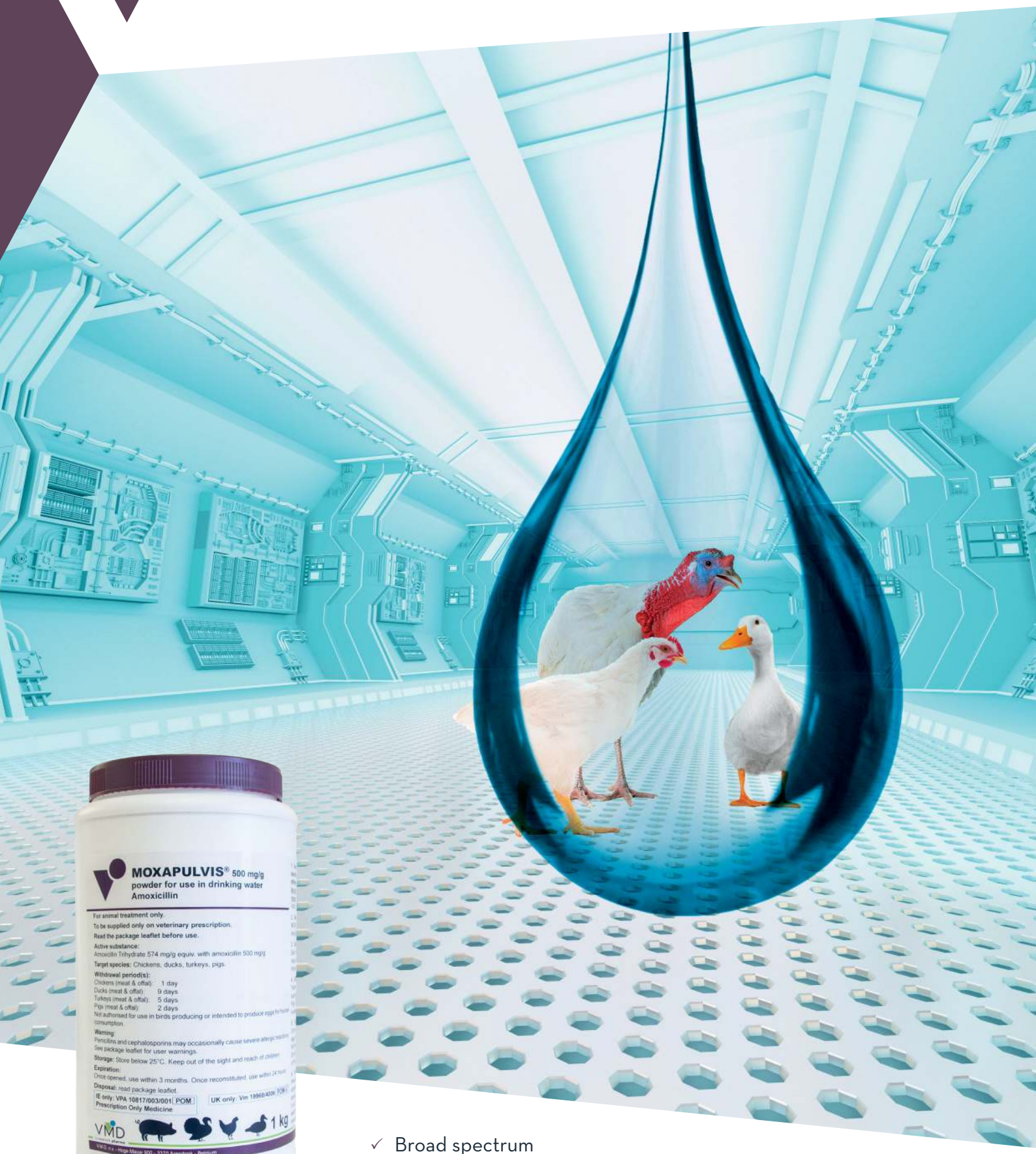
# MOXAPULVIS powder for use in drinking water

**Contains per gram powder:** 574 mg amoxicillin trihydrate equivalent to 500 mg Amoxicillin




- ✓ Broad spectrum
- ✓ Fast resorption and good tissue distribution
- ✓ Improved solubility and uptake

VMD
Livestock **pharma**

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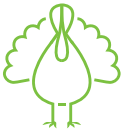

## Indications

- **In chickens, turkeys and ducks:** Treatment of infections caused by bacteria susceptible to amoxicillin.
- **Pigs:** For the treatment of *pasteurellosis* caused by *Pasteurella multocida* susceptible to amoxicillin.

## Contraindications

Do not use in rabbits, hamsters, gerbils and guinea pigs, or to birds producing eggs intended for human consumption. Not effective against beta-lactamase producing organisms.

## Pharmacodynamic properties

Amoxicillin is a time-dependent bactericidal antibiotic which acts by inhibiting the synthesis of bacterial cell walls during bacterial replication. It has a broad spectrum of activity against Gram positive and Gram negative bacteria, and owes its activity to the inhibition of the development of the peptidoglycan network structure in the bacterial cell wall. Because of this mode of action amoxicillin is not active against mycoplasmas.

## Pharmacokinetic properties

Amoxicillin is well absorbed following oral administration and it is stable in the presence of gastric acids. Excretion of amoxicillin is mainly in the unchanged form via the kidneys to give high concentration in renal tissue and urine. Amoxicillin is well distributed in body fluids.

## Interactions

Not compatible with bacteriostatic antibiotics (e.g. tetracyclines, macrolides and sulphonamides). Synergism occurs with bactericidal antibiotics (b-lactams, aminoglycosides and polypetides)

## Overdosing

Amoxicillin trihydrate has an excellent therapeutic index. With the normal dosages there is no risk of overdosing.

## Dosage and administration

Prepare the solution with fresh potable water immediately before use. Any medicated water which is not consumed within 24 hours should be discarded and the medicated drinking water replenished. In order to ensure consumption of the medicated water, animals should not have access to other water supplies whilst being treated.

The maximal solubility of the product is 65 g/L.
Moxapulvis is highly soluble at every pH no matter the hardness of the water. Presolutions in very hard water can show a little precipitation. This is calcium carbonate (CaCO3) and this has no effect on the solubility or the efficacy.

- **Chickens:**
  15 mg amoxicillin trihydrate / kg bodyweight / day
  (= 27 mg Moxapulvis / kg bodyweight / day
  OR 300 g Moxapulvis in 1000 L water / day)
  For 3 days or in severe cases for 5 days.
- **Ducks:**
  20 mg amoxicillin trihydrate / kg bodyweight / day
  (= 35 mg Moxapulvis / kg bodyweight / day
  OR 50 g Moxapulvis / 10 L water)
  For 3 consecutive days.
- **Turkeys:**
  15-20 mg amoxicillin trihydrate / kg bodyweight per day (= 27-35 mg Moxapulvis / kg bodyweight / day
  OR 400-500 g Moxapulvis in 1000 L water / day)
  For 3 days or in severe cases for 5 days.
- **Pigs:**
  20 mg amoxicillin trihydrate / kg bodyweight
  (= 35 mg product / kg bodyweight OR 300 g Moxapulvis / 1000 L water twice a day).

The dose should be divided and administered at approximately 12 hourly intervals for up to 5 days.

The following formula may be used to calculate the required concentration of product (in milligrams of product per liter of drinking water):

$$\frac{\text{x mg product per kg bodyweight per day X mean bodyweight (kg) of animals to be treated}}{\text{mean daily water consumption (l) per animal}} = \text{x mg product per liter drinking water}$$

After the end of the medication period the water supply system should be cleaned appropriately to avoid intake of sub-therapeutic amounts of the active substance. A supportive treatment with vitamins and phytogenics can be administered during or after the medication period.

## Shelf life and storage

Shelf life of the veterinary medicinal product as packaged for sale in a jar is 2 years and in a bag is 3 years. Shelf life after first opening the immediate packaging is 3 months. Shelf life after reconstitution according to directions is 24 hours.
The bag does not require any special storage conditions.
The jar should be stored below 25 °C.

## Presentations

1 kg bag; 10 bags per carton
100 g jar; 80 jars per carton
1 kg jar; 10 jars per carton

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