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## PIPERACILLIN + TAZOBACTAM - *Full Version*

**CPN:** 63010713

### GENERAL DESCRIPTION:

This drug is a broad-spectrum injectable antibiotic that treats bacterial infections in cats and dogs. **Piperacillin + Tazobactam** is available as an injectable solution.

### WHAT IS THIS DRUG?

- A combination antibiotic containing a penicillin class drug (Piperacillin) and a beta-lactamase inhibitor (Tazobactam)
- Given as an injection into the vein (IV) or into the muscle (IM)

### REASONS FOR PRESCRIBING:

- Used to treat common bacterial infections
- The addition of the beta-lactamase inhibitor increases or extends this medication's antibacterial spectrum of activity

### ANIMAL PRECAUTIONS:

- This medication is used off-label in cats and dogs and should be administered only when and as prescribed by a licensed veterinarian
- **Use of this medication in any other species should be in consultation with a veterinarian**
- Use of this prescribed medication in animals with any of the following conditions should be limited to those who are under the supervision of a veterinarian:
  - Heart failure or conditions that cause high sodium levels (hypernatremia)
  - Kidney disease
- Safety has not been established in:
  - Breeding, pregnant or nursing animals
- Animals with a known hypersensitivity or allergy to this or related drugs (penicillins or B-lactams) should not be given this medication

## DIRECTIONS:

**Piperacillin + Tazobactam** is often given by injection in the safety of a veterinary hospital where appropriate patient monitoring is available.

This medication is not effective if given by mouth and requires an injection.

Baseline blood work may be recommended to assess your pet's general health before starting this medication.

Dose adjustments may be made based upon these tests results, culture results and an assessment of how your dog or cat is responding clinically.

This medication will take effect quickly, in about 1 to 2 hours, but its effects may not be visibly noticeable for a few days.

## WHAT IF A DOSE IS MISSED?

If a dose is missed, give it as soon as you can. If it is time already for the next dose, skip the missed dose and go back to the normal schedule. Do not give two doses at the same time.

## WHAT TO TELL/ASK YOUR VETERINARIAN BEFORE GIVING THIS MEDICATION?

Talk to your veterinarian about:

- When your pet will need to be rechecked
- What tests may need to be performed prior to and during treatment with this drug
- What are the safety concerns when using this product in different species
- What are the risks and benefits of using this drug

Tell your veterinarian about:

- If your pet has experienced side effects on other drugs/products
- If your pet has experienced digestive upset now or ever
- If your pet has experienced liver or kidney disease now or ever
- If your pet has experienced any other medical problems or allergies now or ever
- All medicines and supplements that you are giving your pet or plan to give your pet, including those you can get without a prescription. Your veterinarian may want to check that all of your pet's medications can be given together.
- If your pet is pregnant, nursing or if you plan to breed your pet

## STORAGE AND WARNINGS:

The unreconstituted powder of **Piperacillin + Tazobactam** should be stored in a dry childproof container at room temperature.

This product requires reconstitution from the powder form prior to administration.

Injections into the vein (IV) should be given slowly over 30 minutes.

Check with product insert as stability of the reconstituted solution can vary pending on refrigeration or room temperature storage.

This medication can interfere with certain urine tests.

Keep this and all medication out of reach of children and pets.

Call your physician immediately if you accidentally take this product.

#### POTENTIAL SIDE EFFECTS:

- There is limited information and experience using **Piperacillin + Tazobactam** in veterinary medicine so all potential adverse effects are unknown at this time
- This medication can cause pain with injections under the skin (SQ) and is often given into the muscle (IM) or into the vein (IV)
- This medication can cause local inflammation at the vein
- This medication can affect the gastrointestinal system causing diarrhea
- All injectable medications have the potential to cause an immediate allergic or anaphylactic reaction. Affected animals may have a swelling, hives, changes in respiration, and display signs of agitation. This can be a severe and life threatening reaction, immediate treatment with epinephrine is often required.
- If these symptoms persist or you notice anything else unusual, contact your veterinarian
- This short-acting medication should stop working within 24 hours, although effects may last longer in pets with liver or kidney disease

#### CAN THIS DRUG BE GIVEN WITH OTHER MEDICATIONS?

- Yes, but possible interactions may occur when giving **Piperacillin + Tazobactam** in conjunction with aminoglycosides (amikacin, gentamicin, tobramycin), anticoagulants, methotrexate, probenecid and vecuronium
- Drugs other than those listed may also interact with **Piperacillin + Tazobactam**
- Do not give new food or medications without first talking to your veterinarian
- If your pet experiences any unusual reactions when taking multiple medications, contact your veterinarian

#### WHAT SHOULD I DO IF I KNOW OF OR SUSPECT THERE HAS BEEN AN OVERDOSE?

Contact your veterinarian immediately if your pet receives more than the prescribed amount.

#### WHAT ELSE SHOULD I KNOW?

Notify your veterinarian if your animal's condition does not improve or worsens despite this treatment.

As with all prescribed medicines, **Piperacillin + Tazobactam** should only be given to the pet for which it was prescribed. It should be given only for the condition for which it was prescribed, at the prescribed dose, as directed by your veterinarian.

This is just a summary of information about **Piperacillin + Tazobactam**. If you have any questions or concerns about this medication or the condition it was prescribed for, please contact your veterinarian.

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