

Amikacin (Amiglyde-V, Amikacin C Injection, Amiject D)

Drs. Foster & Smith Educational Staff

Generic Name

Amikacin

Brand Name

Amiglyde-V, Amikacin C Injection, Amiject D.

Type of Drug

Aminoglycoside antibiotic

Form and Storage

Injectable

Store vials at room temperature.

Indication for Use

Treatment of susceptible bacterial infections not responsive to more commonly used antibiotics.

General Information

FDA approved for use in dogs. Available by prescription. Used to treat serious gram negative infections that are resistant to other aminoglycosides. A culture and sensitivity test should be performed to verify the need for amikacin due to the seriousness of problems the medication could cause. Aminoglycosides are bacteriocidal.

Usual Dose and Administration

Consult your veterinarian. Given subcutaneously (SQ) or intramuscularly (IM).

Side Effects

May see kidney damage, hearing loss, or vestibular (balance) disorders. May also see facial swelling, pain at injection site, allergic reactions, vomiting, diarrhea, blood disorders, or liver disorders.

Contraindications/Warnings

Do not use in animals hypersensitive (allergic) to aminoglycosides.

Ineffective against most anaerobic (live without oxygen) bacteria.

Do not use in animals who require their hearing to perform their work (military dogs, police dogs, seeing eye dogs, hearing dogs, etc.), as the hearing or vestibular (balance) impairment may not be reversible.

Do not use in animals with kidney disease, as this group of medications may cause kidney disease or may worsen the disease if present.

Do not use in animals who have heartworm microfilaria (immature heartworm).

Do not use in patients with fever or dehydration.

Not for use in pregnant or nursing animals.

Not for use in animals with myasthenia gravis or other neuromuscular disorders.

Young and old pets are at increased risk of side effects.

Cats are very sensitive to the vestibular effects of aminoglycosides.

Early signs of toxicity include loss of balance and vomiting.

Drug or Food Interactions

Do not use with diuretics, as the combination increases the risk of kidney damage.

Do not use in combination with other aminoglycosides.

Do not use with other products that may cause hearing loss, vestibular disease, or kidney disease.

No known food interactions.

Overdose/Toxicity

Early signs of toxicity include loss of balance and vomiting. May see symptoms of kidney disease including increase or decrease in drinking, lack of appetite, vomiting, depression, coma, and death.

Summary

Amikacin is an antibiotic used to treat bacterial infections not responsive to more commonly used antibiotics. Can cause loss of hearing and balance, and kidney disease. Given by injection. Contact your veterinarian if your pet experiences loss of balance, vomiting, lack of appetite, depression, or changes in drinking and urination while under treatment with amikacin.