

Polyflex[®]
(ampicillin for
injectable suspension)

Cattle First. 

**GETTING
COWS
BACK TO
WORK
SINCE
1971.**

COUNT ON IT.



RELIABLE, TRUSTED AND EFFECTIVE.

Polyflex® (ampicillin for injectable suspension) is a prescription antibiotic labeled to treat bacterial infections, including bacterial pneumonia. Here are four reasons to use POLYFLEX with total confidence:



BROAD-SPECTRUM COVERAGE YOUR HERD CAN COUNT ON

POLYFLEX is a fast-acting antibiotic that provides broad-spectrum treatment of respiratory infections caused by Gram-positive and Gram-negative bacteria.

It goes beyond traditional penicillin therapy to treat bacterial pneumonia (shipping fever, calf pneumonia and bovine pneumonia) caused by *Aerobacter* spp., *Streptococcus* spp. and *Pasteurella multocida*. POLYFLEX is also effective against *Escherichia coli* (*E. coli*) susceptible to ampicillin trihydrate.



STRONG TRACK RECORD OF EFFICACY FOR BEEF AND DAIRY CATTLE

POLYFLEX has been treating respiratory disease quickly and effectively for over 45 years. It is approved for both beef and dairy cattle (including lactating dairy cows), as well as calves (including non-ruminating veal calves).



CONTRIBUTES TO JUDICIOUS ANTIBIOTIC USE

POLYFLEX is an ampicillin, while its largest competitors, Excede® (ceftiofur crystalline free acid) and Excenel® (ceftiofur hydrochloride), are both third-generation cephalosporins. Third-generation cephalosporins are used in human medicine, which causes concerns about antibiotic resistance.

Choosing POLYFLEX means doing what's best for the herd, without contributing to resistance in antibiotics that are critical to human medicine.



RELIABLE MILK AND MEAT WITHDRAWAL TIMES

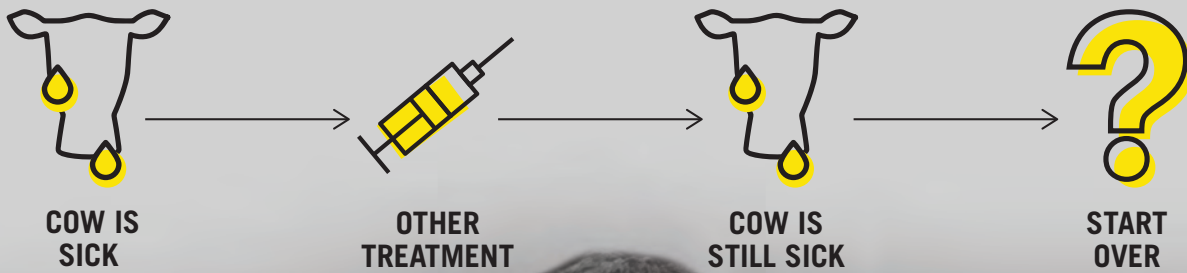
POLYFLEX has dependable withdrawal periods, with a 48-hour milk withhold and six-day slaughter withdrawal time after the last treatment.*

POLYFLEX.US

* **POLYFLEX RESIDUE WARNING:** Do not treat cattle for more than 7 days. Milk from treated cows must not be used for food during treatment, and for 48 hours (4 milkings) after the last treatment. Cattle must not be slaughtered for food during treatment, and for 144 hours (6 days) after the last treatment.

AVOID THE TREATMENT TRAP

If you're not being tough enough on disease the first time around, you're taking a chance it will return.



YOU'LL PAY FOR IT IN THE LONG RUN.

- wasted dollars
- lost time
- lower production
- having to start over

THE SOLUTION

Put disease in its place with Polyflex® (ampicillin for injectable suspension). It's the dependable antibiotic that gives you confidence it'll work the first time. Count on it.

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Polyflex®

(ampicillin for injectable suspension)

For veterinary use only

Polyflex® (ampicillin for injectable suspension)



MIXING

POLYFLEX is supplied as 25 grams of sterile ampicillin powder in a glass bottle.

Transfer 79 mL of sterile water into the bottle of POLYFLEX.

Thoroughly mix to rehydrate the ampicillin powder.



ADMINISTRATION

Give an intramuscular injection in the neck at 2 mL per 100 lbs. of body weight. Make sure the animal is restrained.



STORAGE

After rehydration, store in a refrigerator for up to 3 months. Shake well before each use.

Three days' treatment is usually adequate, but treatment should be continued for 48 to 72 hours after the animal has become asymptomatic.

Find out how to incorporate POLYFLEX into your protocol by contacting your veterinarian or a Boehringer Ingelheim sales representative.

Caution: Federal law restricts this drug to use by or on the order of a licensed veterinarian.

Description: POLYFLEX (ampicillin for injectable suspension) is a broad-spectrum penicillin which has bactericidal activity against a wide range of common gram-positive and gram-negative bacteria.

Each 25 g vial contains: 25 g ampicillin activity as ampicillin trihydrate, 90 mg methylparaben (as preservative), 10 mg propylparaben (as preservative), 200 mg lecithin, 500 mg povidone, 200 mg sodium chloride, 600 mg sodium citrate anhydrous.

Indications: POLYFLEX has proved effective in the treatment of many infections previously beyond the spectrum of penicillin therapy. This drug is particularly indicated in the treatment of the following infections caused by susceptible strains of organisms:

Dogs and Cats — Respiratory Tract Infections: Upper respiratory infections, tonsillitis and bronchopneumonia due to hemolytic streptococci, *Staphylococcus aureus*, *Escherichia coli*, *Proteus mirabilis* and *Pasteurella* spp.

Urinary Tract Infections due to *Proteus mirabilis*, *Escherichia coli*, *Staphylococcus* spp., hemolytic streptococci and *Enterococcus* spp.

Gastrointestinal Infections due to *Enterococcus* spp., *Staphylococcus* spp. and *Escherichia coli*.

Skin, Soft Tissue and Post-Surgical Infections: Abscesses, pustular dermatitis, cellulitis and infections of the anal gland, due to *Escherichia coli*, *Proteus mirabilis*, hemolytic streptococci, *Staphylococcus* spp. and *Pasteurella* spp.

Cattle and Calves Including Non-Ruminating (Veal Calves) — Respiratory Tract Infections: Bacterial pneumonia (shipping fever, calf pneumonia and bovine pneumonia) caused by *Aerobacter* spp., *Klebsiella* spp., *Staphylococcus* spp., *Streptococcus* spp., *Pasteurella multocida* and *E. coli* susceptible to ampicillin trihydrate.

Dosage: The dosage of POLYFLEX will vary according to the animal being treated, the severity of the infection and the animal's response.

Dogs and Cats — The recommended dose for dogs or cats is 3 mg/lb of body weight administered twice daily by subcutaneous or intramuscular injection.

Cattle and Calves Including Non-Ruminating (Veal Calves) — From 2 mg to 5 mg/lb of body weight once daily by intramuscular injection. Do not treat for more than 7 days. In all species, 3 days treatment is usually adequate, but treatment should be continued for 48 to 72 hours after the animal has become afebrile or asymptomatic.

Directions for Use: The multi-dose dry-filled vials should be reconstituted to the desired concentration by adding the required amount of Sterile Water for Injection, USP, according to label directions. **SHAKE WELL.**

After reconstitution this product is stable for 3 months under refrigeration and will be white to pale yellow in color. Avoid freezing.

At the time of reconstitution the vial should be dated and the concentration noted on the label.

Contraindications: A history of allergic reactions to penicillin, cephalosporins or their analogues should be considered a contraindication for the use of this agent.

Residue Warnings: Do not treat cattle for more than 7 days. Milk from treated cows must not be used for food during treatment, and for 48 hours (4 milkings) after the last treatment. Cattle must not be slaughtered for food during treatment, and for 144 hours (6 days) after the last treatment.

Precautions: Because it is a derivative of 6-aminopenicillanic acid, POLYFLEX has the potential for producing allergic reactions. If they should occur, POLYFLEX should be discontinued and the subject treated with the usual agents (antihistamines, pressor amines, corticosteroids).

Clinical Pharmacology: The antimicrobial action of ampicillin is bactericidal, and only a small percentage of the antibiotic is serum-bound. Peak serum levels in dogs and cats are reached approximately one-half hour following subcutaneous or intramuscular injection, and in cattle 1 hour to 2 hours following intramuscular injection.

In vitro studies have demonstrated sensitivity of the following organisms to ampicillin: gram-positive bacteria – alpha- and beta-hemolytic streptococci, staphylococci (non-penicillinase-producing), *Bacillus anthracis* and most strains of enterococci and clostridia; gram-negative bacteria – *Proteus mirabilis*, *E. coli* and many strains of *Salmonella* and *Pasteurella multocida*.

The drug does not resist destruction by penicillinase and, hence, is not effective against strains of staphylococci resistant to penicillin G. Susceptibility tests should be conducted to estimate the *in vitro* susceptibility of bacterial isolates to ampicillin.

Storage: Store at or below 25°C (77°F) with excursions permitted up to 30°C (86°F). After reconstitution, store under refrigeration. Avoid freezing.

How Supplied: POLYFLEX (ampicillin for injectable suspension) is supplied in vials containing 25 g ampicillin activity as ampicillin trihydrate. NDC 0010-4712-02 — 25 g per vial

Approved by FDA under NADA # 055-030

Marketed by:
Boehringer Ingelheim Animal Health USA Inc.
Duluth, GA 30096

Made in Italy

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