One Dose. 30 Minutes.

Knock out BRD in one dose with Zactran® (gamithromycin). ZACTRAN reaches the lungs in 30 minutes to start fighting BRD at the site of infection.* It works fast, hitting peak concentration in just 12 hours,** with cattle health typically improving in 24 hours.*** But the fight doesn’t stop there: One dose delivers 10 days of therapy.³ Make the quick treatment choice, and get your cattle healthy fast.

Treat BRD quickly at ZACTRAN.com

**IMPORTANT SAFETY INFORMATION:** For use in cattle only. Do not treat cattle within 35 days of slaughter. Do not use in female dairy cattle 20 months of age or older, or in calves to be processed for veal. Subcutaneous injection may cause a transient local tissue reaction in some cattle that may result in trim loss of edible tissues at slaughter.

150 mg/mL ANTIMICROBIAL
NADA 141-328, Approved by FDA

For subcutaneous injection in beef and non-lactating dairy cattle only. Not for use in female dairy cattle 20 months of age or older or in calves to be processed for veal.

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

READ ENTIRE BROCHURE CAREFULLY BEFORE USING THIS PRODUCT.

INDICATIONS
ZACTRAN is indicated for the treatment of bovine respiratory disease (BRD) associated with Mannheimia haemolytica, Pasteurella multocida, Histophilus somni and Mycoplasma in beef and non-lactating dairy cattle. ZACTRAN is also indicated for the control of respiratory disease in beef and non-lactating dairy cattle at high risk of developing BRD associated with Mannheimia haemolytica and Pasteurella multocida.

CONTRAINDICATIONS
As with all drugs, the use of ZACTRAN is contraindicated in animals previously found to be hypersensitive to this drug.

WARNING: FOR USE IN CATTLE ONLY. NOT FOR USE IN HUMANS. KEEP THIS AND ALL DRUGS OUT OF REACH OF CHILDREN. NOT FOR USE IN CHICKENS OR TURKEYS.

DOSAGE AND ADMINISTRATION
Administer ZACTRAN one time as a subcutaneous injection in the neck at 6 mg/kg (2 mL/110 lb) body weight (BW). If the total dose exceeds 10 mL, divide the dose so that no more than 10 mL is administered at each injection site.

Animals should be appropriately restrained to achieve the proper route of administration. Use sterile equipment. Inject under the skin in front of the shoulder (see illustration).

The Safety Data Sheet (SDS) contains more detailed occupational safety information. To report suspected adverse drug events, for technical assistance, or to obtain a copy of the SDS, contact Boehringer Ingelheim Animal Health USA Inc. at 1-888-637-4251. For additional information about adverse drug experience reporting for animal drugs, contact FDA at 1-888-FDA-VETS, or online at www.fda.gov/reportanimalae.

RESIDUE WARNINGS: Do not treat cattle within 35 days of slaughter. Because a discard time in milk has not been established, do not use in female dairy cattle 20 months of age or older. A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.

PRECAUTIONS
The effects of ZACTRAN on bovine reproductive performance, pregnancy, and lactation have not been determined. Subcutaneous injection of ZACTRAN may cause a transient local tissue reaction in some cattle that may result in trim loss of edible tissues at slaughter.

ADVERSE REACTIONS
Transient animal discomfort and mild to moderate injection site swelling may be seen in cattle treated with ZACTRAN.

EFFECTIVENESS
For information on effectiveness, the product label in full can be found at https://www.zactran.com/sites/default/files/pdf/Zactan_Label.pdf.

Marketed by Boehringer Ingelheim Animal Health USA Inc.
Duluth, GA 30096
Made in Austria
®ZACTRAN is a registered trademark of the Boehringer Ingelheim Group.
©2019 Boehringer Ingelheim Animal Health USA Inc. All rights reserved.
M088812/03 US Code 6411 Rev. 01/2019

<table>
<thead>
<tr>
<th>Body Weight (lb)</th>
<th>Dose Volume (mL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>110</td>
<td>2</td>
</tr>
<tr>
<td>220</td>
<td>4</td>
</tr>
<tr>
<td>330</td>
<td>6</td>
</tr>
<tr>
<td>440</td>
<td>8</td>
</tr>
<tr>
<td>550</td>
<td>10</td>
</tr>
<tr>
<td>660</td>
<td>12</td>
</tr>
<tr>
<td>770</td>
<td>14</td>
</tr>
<tr>
<td>880</td>
<td>16</td>
</tr>
<tr>
<td>990</td>
<td>18</td>
</tr>
<tr>
<td>1100</td>
<td>20</td>
</tr>
</tbody>
</table>