For the treatment of sulfadimethoxine-sensitive bacterial infections in dogs and cats and bacterial enteritis associated with coliform bacteria in dogs.

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

DESCRIPTION: Albon is a low-dosage, rapidly absorbed, long-acting sulfonamide, effective for the treatment of a wide range of bacterial infections commonly encountered in dogs and cats. Sulfadimethoxine is a white, almost tasteless and odorless crystalline powder. The chemical name is o-(2-Amino-4-hydroxy-5-methyl-methoxyphenyl) sulfonamide. The structural formula is:

\[
\text{OCH}_3
\]

Active: Sulfadimethoxine has been demonstrated clinically in the laboratory to be effective against a variety of organisms, including streptococci, staphylococci, escherichia, and salmonella.1,2 These organisms have been demonstrated in the metabolism of sulfadimethoxine. Higher doses of Albon give rapid and sustained therapeutic blood levels.

To assure a successful sulfonamide therapy,1 the drug must be given early in the course of the disease, and it must produce a high sulfonamide level in the body rapidly after administration. Therapeutically effective sulfonamide levels must be maintained in the body throughout the treatment period. Treatment should continue for a short period of time after the clinical signs have disappeared, to inhibit any resistant bacteria. Therefore, caution must be exercised in this class of drugs.

INDICATIONS AND USAGE: Albon is indicated for the treatment of respiratory, genitourinary, enteric, and soft tissue infections in dogs and cats. The systemic sulfonamides which include sulfadimethoxine are bacteriostatic agents. Sulfonamides competitively inhibit bacterial synthesis of folic acid and pteroylglutamic acid from parethomethoxine. Sulfonamides are capable of inhibiting histidine in the presence of sulfonamides. The tissue distribution of sulfadimethoxine, as with all sulfonamides, is a function of plasma levels, degree of disease, and the relative size of the body reservoirs. The relative amounts of sulfadimethoxine in the plasma and tissue levels of the body are not known. Sulfadimethoxine is excreted in the urine, and the tissue levels of the drug can be considered a blood reservoir.

WARMING: Not for human use.

PRECAUTIONS: During treatment period, make certain that animals maintain adequate water intake.

If more than 1 animal is to be treated, subcutaneous injections of varying weights, tablet doses are provided. The following table indicates how dosage may be adjusted according to tablet size and body weight. Subsequent doses should be given at 24-hour intervals.

<table>
<thead>
<tr>
<th>Tablet Size</th>
<th>Approximate Daily Dosage (mg/kg)</th>
<th>Initial Daily Dose (mg/kg)</th>
<th>Subsequent Daily Dose (mg/kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 mg</td>
<td>2.5 mg/lb (5.5 mg/kg)</td>
<td>25 mg</td>
<td>12.5 mg/lb (27.5 mg/kg)</td>
</tr>
<tr>
<td>50 mg</td>
<td>5.0 mg/lb (10.0 mg/kg)</td>
<td>50 mg</td>
<td>25 mg/lb (27.5 mg/kg)</td>
</tr>
<tr>
<td>100 mg</td>
<td>10.0 mg/lb (20.0 mg/kg)</td>
<td>100 mg</td>
<td>50 mg/lb (27.5 mg/kg)</td>
</tr>
<tr>
<td>150 mg</td>
<td>15.0 mg/lb (30.0 mg/kg)</td>
<td>150 mg</td>
<td>75 mg/lb (37.5 mg/kg)</td>
</tr>
</tbody>
</table>

Dosages may be adjusted depending on tablet size and body weight.

TOXICITY AND SAFETY: Data on scale and chronic tolerance of sulfadimethoxine indicate that the drug is very safe. The LD50 in mice is greater than 2 g/kg of body weight when toxicities of sulfadimethoxine indicate the drug is very safe. The drug is acetylated in many species and is excreted in the urine as its acetylated derivative. Sulfadimethoxine is a white, almost tasteless and odorless crystalline powder. The chemical name is o-(2-Amino-4-hydroxy-5-methyl-methoxyphenyl) sulfonamide. The structural formula is:

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