

# Sodium Bicarbonate 8.4% Sterile Solution



## Indications

For treatment of metabolic acidosis in cattle, horses, sheep, swine and dogs depending upon causative factor.

## Each mL of sterile solution contains

Sodium bicarbonate (equal to 1 mEq/mL).....84 mg  
 Water for injection.....q.s.

The total osmolar concentration of this product is approximately 2000 mOsm/L.

Item No.	Description
09078	Sodium Bicarbonate 8.4% 100 mL vial $R_x$ – 12 vials/case

## Dosage and Administration

Inject intravenously. Use caution in emergencies where very rapid infusion of large quantities of bicarbonate is indicated, such as cardiac arrest. Sodium bicarbonate solutions are hypertonic and may produce an undesirable rise in plasma sodium concentration during the process of correction of metabolic acidosis. During cardiac arrest, however, the risks from acidosis exceed those of hypernatremia. In cattle and horses, 200 to 300 mL of 8.4% solution may be given undiluted by rapid infusion using a needle and syringe.

Sodium Bicarbonate 8.4% solution is often added to other intravenous fluids for the less urgent forms of metabolic acidosis. The amount of bicarbonate to be given over a 4 to 8 hour period is approximately 2 to 5 mEq per kg of body weight (1-2.5 mL/body weight) depending upon the severity of the acidosis as judged by the lowering of total CO<sub>2</sub> content, blood pH, and clinical condition of the animal.

Bicarbonate therapy should always be planned in stepwise fashion since the degree of response from a given dose is not precisely predictable. Initially, an infusion of 2 to 5 mEq per kg of body weight over a period of 4 to 8 hours will produce a measurable improvement in the abnormal acid-base status of the blood. Completion of therapy is dependent upon the clinical response of the animal. If severe symptoms have abated, the frequency and size of the doses should be reduced.

## Warnings

- Please refer to package insert for complete warning information.
- This is a single dose vial. No preservatives have been added.
- Discard unused portion after use.
- Do not use if solution is hazy, cloudy, or contains a precipitate.
- For animal use only.
- Keep out of reach of children.
- Not for human use.

## Caution

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

## Storage

Store at a temperature between 15°-30°C (59°-86°F).