Veterinary 2.5% Dextrose and 0.45% Sodium Chloride Injection, USP

For Animal Use Only

Description

2.5% Dextrose and 0.45% Sodium Chloride Injection, USP is a sterile, nonpyrogenic solution for fluid and electrolyte replenishment and as a source of water, electrolytes, and calories. It is capable of inducing diuresis depending on the clinical condition of the patient. 2.5% Dextrose and 0.45% Sodium Chloride Injection, USP is indicated as a source of water, electrolytes, and calories. It is capable of inducing diuresis depending on the clinical condition of the patient.

Table 1

<table>
<thead>
<tr>
<th>Concentration (g/L)</th>
<th>Concentration (mEq/L)</th>
<th>Osmolarity (mOsmol/L) (calc)</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Chloride, USP (NaCl)</td>
<td>85</td>
<td>85</td>
<td>306</td>
</tr>
<tr>
<td>D-Glucose monohydrate</td>
<td>4.5</td>
<td>4.5</td>
<td>306</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>306</strong></td>
<td><strong>306</strong></td>
<td><strong>306</strong></td>
</tr>
</tbody>
</table>

Normal physiologic osmolarity range is approximately 280 to 310 mOsmol/L. Normal physiologic osmolarity range is approximately 280 to 310 mOsmol/L. Composition, osmolarity, pH, concentration and caloric content are shown in Table 1.

Dosage and Administration

As directed by a veterinarian. Dosage is dependent upon the age, weight, and clinical condition of the patient as well as laboratory determinations. Parenteral drug products should be inspected visually for particulate matter and discoloration prior to administration whenever solution and clinical condition of the patient warrant such evaluation. Adverse Reactions

Reactions which may occur because of the solution or the technique of administration include febrile response, infection at the site of injection, venous thrombosis or phlebitis extending from the site of injection, extravasation and hypervolemia. If an adverse reaction does occur, discontinue the infusion, evaluate the patient, institute appropriate therapeutic countermeasures and save the remainder of the fluid for examination if deemed necessary. Precautions

Clinical evaluation and periodic laboratory determinations are necessary to monitor changes in fluid balance, electrolyte concentrations, and acid base balance during prolonged parenteral therapy or whenever the condition of the patient warrants such evaluation. Caution must be exercised in the administration of 2.5% Dextrose and 0.45% Sodium Chloride Injection, USP to patients receiving corticosteroids or corticotropin.

Adverse Reactions

Reactions which may occur because of the solution or the technique of administration include febrile response, infection at the site of injection, venous thrombosis or phlebitis extending from the site of injection, extravasation and hypervolemia. If an adverse reaction does occur, discontinue the infusion, evaluate the patient, institute appropriate therapeutic countermeasures and save the remainder of the fluid for examination if deemed necessary. Precautions

Clinical evaluation and periodic laboratory determinations are necessary to monitor changes in fluid balance, electrolyte concentrations, and acid base balance during prolonged parenteral therapy or whenever the condition of the patient warrants such evaluation. Caution must be exercised in the administration of 2.5% Dextrose and 0.45% Sodium Chloride Injection, USP to patients receiving corticosteroids or corticotropin.

2.5% Dextrose and 0.45% Sodium Chloride Injection, USP should be used with caution in patients with overt or subclinical diabetes mellitus. Do not administer unless solution is clear and seal is intact.

Dosage and Administration

As directed by a veterinarian. Dosage is dependent upon the age, weight, and clinical condition of the patient as well as laboratory determinations. Parenteral drug products should be inspected visually for particulate matter and discoloration prior to administration whenever solution and container permit. All injections in plastic containers are intended for intravenous administration using sterile equipment. Additives may be incompatible. Complete information is not available. Those additives known to be incompatible should not be used. Consult with veterinarian, if available. If, in the informed judgment of the veterinarian, it is deemed advisable to introduce additives, use aseptic technique. Mix thoroughly when additives have been introduced. Do not store solutions containing additives.
**OverDosage**
In an event of overhydration or solute overload, re-evaluate the patient and institute appropriate corrective measures. See Warnings, Precautions and Adverse Events.

**How Supplied**
2.5% Dextrose and 0.45% Sodium Chloride Injection, USP in plastic container is supplied as follows:

<table>
<thead>
<tr>
<th>Size (mL)</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000</td>
<td>2B8224</td>
</tr>
</tbody>
</table>

Exposure of pharmaceutical products to heat should be minimized. Avoid excessive heat. It is recommended the product be stored at room temperature (20°C/68°F); brief exposure up to 40°C/104°F does not adversely affect the product.

**Directions for use of plastic container**

**To Open**

Tear overwrap down side at slit and remove solution container. Visually inspect the container. If the outlet port protector is damaged, detached, or not present, discard container as solution path sterility may be impaired. Some opacity of the plastic due to moisture absorption during the sterilization process may be observed. This is normal and does not affect the solution quality or safety. The opacity will diminish gradually. Check for minute leaks by squeezing inner bag firmly. If leaks are found, discard solution as sterility may be impaired. If supplemental medication is desired, follow directions below.

**Preparation for Administration**

**To add medication**

**WARNING:** Additives may be incompatible.

1. Prepare medication site.
2. Using syringe with 19 to 22 gauge needle, puncture resealable medication port and inject.
3. Mix solution and medication thoroughly. For high density medication such as potassium chloride, squeeze ports while ports are upright and mix thoroughly.

1. Close clamp on the set.
2. Prepare medication site.
3. Using syringe with 19 to 22 gauge needle, puncture resealable medication port and inject.
4. Remove container from IV pole and/or turn to an upright position.
5. Evacuate both ports by squeezing them while container is in the upright position.
6. Mix solution and medication thoroughly.
7. Return container to in use position and continue administration.

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