Veterinary PLASMA-LYTE A Injection pH 7.4
(Multiple Electrolytes Injection, Type 1, USP)

For Animal Use Only

Description
PLASMA-LYTE A Injection pH 7.4 (Multiple Electrolytes Injection, Type 1, USP) is a sterile, nonpyrogenic isotonic solution in a single dose container for intravenous administration. It contains no antimicrobial agents. Discard unused portion. The pH is adjusted with sodium hydroxide. Concentrated electrolyte solution is buffered with sodium acetate. Osmolarity, pH, ionic concentration and caloric content are shown in Table 1.

Table 1

<table>
<thead>
<tr>
<th>Component</th>
<th>Composition (g/L)</th>
<th>Osmolarity (mOsmol/L)</th>
<th>pH</th>
<th>Acetate</th>
<th>Gluconate</th>
<th>Caloric Content (kcal/L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium</td>
<td>130</td>
<td>3060</td>
<td>7.4</td>
<td>0.37</td>
<td>0.30</td>
<td>294</td>
</tr>
<tr>
<td>Chloride</td>
<td>140</td>
<td>27</td>
<td>27</td>
<td>23</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>Potassium</td>
<td>98</td>
<td>21</td>
<td>21</td>
<td>21</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>Magnesium</td>
<td>3.68</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acetate</td>
<td>0.30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gluconate</td>
<td>0.37</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For intravenous administration. It contains no antimicrobial agents. Do not administer unless solution is clear and seal is intact.

Contraindications
None known

Warnings
PLASMA-LYTE A Injection pH 7.4 (Multiple Electrolytes Injection, Type 1, USP) should be used with great care. If at all, in patients with hyperkalemia, severe renal failure, and in conditions in which potassium retention is present. PLASMA-LYTE A Injection pH 7.4 (Multiple Electrolytes Injection, Type 1, USP) should be used with great care in patients with metabolic or respiratory alkalosis. The administration of acetate or glucuronate ions should be done with great care in those conditions in which there is an increased level or an impaired utilization of these ions, such as severe hepatic insufficiency.

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. PLASMA-LYTE A Injection pH 7.4 (Multiple Electrolytes Injection, Type 1, USP) should be used with caution. Excess administration may result in metabolic alkalosis.

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 pharmacist, 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
PLASMA-LYTE A Injection pH 7.4 (Multiple Electrolytes Injection, Type 1, USP) in plastic container is available as shown below:

<table>
<thead>
<tr>
<th>Size (mL)</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000</td>
<td>2B8304</td>
</tr>
<tr>
<td>5000</td>
<td>2B8229</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/77°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
1. Suspend container from eyetlet support.
2. Remove plastic protector from outlet port at bottom of container.
3. Attach administration set. Refer to complete directions accompanying set.

To Add Medication
WARNING: Additives may be incompatible.
To add medication before solution administration
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.

To add medication during solution administration
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.

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