



Veterinary Lactated Ringer's Irrigation

For Animal Use Only

Description

Lactated Ringer's Irrigation is a sterile, nonpyrogenic, isotonic solution in a single dose plastic container for use as an arthroscopic irrigating solution. Each liter contains 6.0 g Sodium Chloride, USP, (NaCl), 3.1 g Sodium Lactate ($C_3H_5NaO_3$), 300 mg Potassium Chloride, USP, (KCl), and 200 mg Calcium Chloride, USP, ($CaCl_2 \cdot 2H_2O$). pH 6.5 (6.0 to 7.5). Milliequivalents per liter:

Sodium - 130, Potassium - 4, Calcium - 3, Chloride - 109, Lactate - 28. Osmolarity 273 mOsmol/L (calc.). No antimicrobial agent has been added. Discard unused portion.

The plastic container is fabricated from a specially formulated polyvinyl chloride. The amount of water that can permeate from inside the container into the overwrap is insufficient to affect the solution significantly. Solutions in contact with the plastic container can leach out certain of its chemical components in very small amounts within the expiration period, e.g., di-2-ethylhexylphthalate (DEHP), up to 5 parts per million. However, the safety of the plastic has been confirmed in tests in animals according to USP biological tests for plastic containers as well as by tissue culture toxicity studies.

Clinical Pharmacology

Lactated Ringer's Irrigation is useful as an irrigating fluid for body joints because it approximates the electrolyte composition of synovial fluid, and provides a transparent fluid medium with optical properties suitable for good visualization of the interior joint surface during endoscopic examination. During arthroscopic surgical procedures, the solution acts as a lavage for removing blood, tissue fragments, and bone fragments.

Indications and Usage

Lactated Ringer's Irrigation is indicated for use as an arthroscopic irrigating fluid with endoscopic instruments during arthroscopic procedures requiring distension and irrigation of the knee, shoulder, elbow, or other bone joints.

Contraindications

None known.

Warnings

Not for injection.

Because fluids used to irrigate joints may be absorbed into the general circulation, solutions containing sodium ion should be used with great care in patients with congestive heart failure, severe renal insufficiency, and in clinical states in which there exists edema with sodium retention.

The contents of an opened container should be used promptly to minimize the possibility of bacterial growth or pyrogen formation. Discard the unused portion of irrigating solution since no antimicrobial agent has been added.

Manufactured for:
Abbott Laboratories
North Chicago, IL 60064

For customer service call (888) 299-7416

Printed in USA

*Bar Code Position Only

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Precautions

Because some of the fluid used to irrigate joints may be absorbed, caution must be exercised in the volume of irrigating fluid used especially with solutions containing the sodium ion in patients receiving corticosteroids or corticotropin.

Do not administer unless the solution is clear and the seal is intact.

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.

Dosage and Administration

The volume of solution needed will vary with the nature and duration of the arthroscopic procedure.

If desired, warm in overwrap to near body temperature in a water bath or oven heated to not more than 45° C.

Parenteral drug products should be inspected visually for particulate matter and discoloration prior to administration whenever solution and container permit.

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

Lactated Ringer's Irrigation in Plastic Container is available as follows:

| List Number | Size (mL) | Code | NDC |
|-------------|-----------|--------|---------------|
| 04898-04-30 | 3000 | 2B8217 | 00074-4898-30 |

Exposure of pharmaceutical products to heat should be minimized. Avoid excessive heat. It is recommended the product be stored at room temperature (25° C); brief exposure up to 40° C does not adversely affect the product.

Directions for Use

Tear overwrap down side at slit and remove solution container. 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 bag firmly. If leaks are found, discard solution as sterility may be impaired.

Use Aseptic Technique.

1. Suspend container using hanger hole.
2. Remove protector from outlet port.
3. Attach irrigation set. Refer to complete directions accompanying set.

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

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Abbott