

## **LACTATED RINGERS- lactated ringers injection, solution**

**Nova-Tech, Inc.**

**Reference Label Set Id: e4d8dbc5-6c0e-4a3c-8efe-ed6dc365fc71**

*Disclaimer: This drug has not been found by FDA to be safe and effective, and this labeling has not been approved by FDA. For further information about unapproved drugs, click here.*

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### **Lactated Ringers**

#### **Composition**

Each 100 mL of sterile aqueous solution contains:

Sodium Chloride ..... 600 mg  
Sodium Lactate ..... 310 mg  
Potassium Chloride ..... 30 mg  
Calcium Chloride Dihydrate ..... 20 mg  
Water for Injection ..... q.s.

The Calcium, Potassium and Sodium contents are approximately 2.7, 4.0, and 130 mEq/liter, respectively. Total Osmolar concentration: 269 mOsm per liter (calculated).

Each 100 mL contains Sodium Chloride 600 mg; Sodium Lactate 310 mg; Potassium Chloride 30 mg; Calcium Chloride, Dihydrate 20 mg in Water for Injection.

May contain HCL or NaOH for pH adjustment.

mEq/Liter: Sodium 130; Chloride 109; Lactate 28; Potassium 4.0; Calcium 2.7.

Osmolarity: 269 mOsmol/liter (calc.).

pH: 6.6 (6.0 - 7.5).

#### **INDICATIONS**

For the correction of electrolyte depletion, metabolic acidosis and dehydration of cattle, calves, horses, sheep and swine.

#### **DOSAGE & ADMINISTRATION:**

May be injected intravenously, subcutaneously or intraperitoneally (except in horses) using strict aseptic technique.

**Cattle and Horses:** 2 to 5 mL per pound of body weight depending on size and condition of animal, repeated 1 to 3 times daily or as needed.

**Swine and Sheep:** 2 to 5 mL per pound of body weight depending on size and condition of animal, repeated 1 to 3 times daily or as needed.

If administered subcutaneously divide the dosage into several sites of injection and massage points of injection to aid in absorption and help prevent inflammation and/or sloughing.

As directed by a veterinarian. Dosage is dependent upon the age, weight and clinical condition of the patient as well as laboratory determinations.

**CAUTION:**

Solution should be warmed to body temperature prior to administration and administered at a slow rate. This is a single dose unit. It contains no preservatives. Use entire contents when first opened.

Solution should be warmed to body temperature prior to administration and administered at a slow rate. Sterile nonpyrogenic solution. Use only if solution is clear and container is undamaged. This is a single dose unit. It contains no preservatives. Use promptly upon initial entry. If entire contents are not used, discard unused portion. Not for use in the treatment of lactic acidosis. Squeeze and inspect inner bag which maintains product sterility. Discard if leaks are found or if the solution contains visible solid particles.

**WARNING:**

Do not administer to horses by intraperitoneal injection. Do not administer to animals with inadequate renal function. Not for use in lactic acidosis.

**Store between 15°C-30°C (59°F-86°F)**

TAKE TIME OBSERVE LABEL DIRECTIONS

KEEP OUT OF REACH OF CHILDREN

RX only.

**STERILE SOLUTION**

FOR ANIMAL USE ONLY

**CAUTION:**

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

Manufactured by:

Nova-Tech, Inc.  
Grand Island, NE 68801 USA

NDC# 65207-803-60

Nova-Tech®

Animal Health

Net Contents:

1000 mL (33.81 fl oz)

Lot No.

Exp. Date

Assembled in USA

NDC # 65207-803-61

18-803

RMS# 92-2111

365207803613

NDC # 65207-803-80

18-803

RMS 92-2112

365207803803

**Indications**

For the correction of electrolyte depletion, metabolic acidosis and dehydration of cattle, calves, horses, sheep and swine.

**Dosage & Administration**

May be injected intravenously, subcutaneously or intraperitoneally (except in horses) using strict aseptic technique.

**Cattle and Horses:** 2 to 5 mL per pound of body weight depending on size and condition of animal, repeated 1 to 3 times daily or as needed.

**Swine and Sheep:** 2 to 5 mL per pound of body weight depending on size and condition of animal, repeated 1 to 3 times daily or as needed.

If administered subcutaneously divide the dosage into several sites of injection and massage points of injection to aid in absorption to help prevent inflammation and/or sloughing.

TAKE TIME  OBSERVE LABEL DIRECTIONS



**Manufactured by:**

Nova-Tech, Inc.  
Grand Island, NE 68801 USA

18-803  
RMS 92-360

NDC# 65207-803-60



**Lactated Ringers**  
Sterile Solution

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

For Animal Use Only  
Keep Out of Reach of Children



**NET CONTENTS:**  
1000 mL (33.81 fl oz)

**Composition**

Each 100 mL of sterile aqueous solution contains:  
Sodium Chloride..... 600 mg  
Sodium Lactate..... 310 mg  
Potassium Chloride..... 30 mg  
Calcium Chloride Dihydrate ..... 20 mg  
Water for Injection ..... q.s.

The Calcium, Potassium and Sodium contents are approximately 2.7, 4.0, and 130 mEq/liter, respectively.

Total Osmolar Concentration: 269 mOsm per liter (calculated).

**Caution:** Solution should be warmed to body temperature prior to administration and administered at a slow rate. This is a single dose unit. It contains no preservatives. Use entire contents when first opened.

**Warning:** Do not administer to horses by intraperitoneal injection. Do not administer to animals with inadequate renal function. Not for use in lactic acidosis.

**Store between 15°C-30°C (59°F-86°F).**



Lot No.

Exp. Date

# LACTATED RINGER'S Injection

Approx.  
**200**

**FOR ANIMAL USE ONLY**

**1000 mL (33.81 fl. oz.)**

**ACTIVE INGREDIENTS: EACH 100 mL CONTAINS SODIUM CHLORIDE 600 MG; SODIUM LACTATE 310 mg; POTASSIUM CHLORIDE 30 mg; CALCIUM CHLORIDE, DIHYDRATE 20 mg IN WATER FOR INJECTION.**

**MAY CONTAIN HCl OR NaOH FOR pH ADJUSTMENT.**

**mEq/LITER: SODIUM 130; CHLORIDE 109; LACTATE 28; POTASSIUM 4.0; CALCIUM 2.7.**

**OSMOLARITY: 269 mOsmol/LITER (CALC.).**

**pH: 6.6 (6.0 - 7.5).**

**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.**

**400**

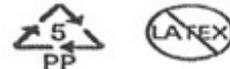
**600**

**CAUTION: SOLUTION SHOULD BE WARMED TO BODY TEMPERATURE PRIOR TO ADMINISTRATION AND ADMINISTERED AT A SLOW RATE. STERILE NONPYROGENIC SOLUTION. USE ONLY IF SOLUTION IS CLEAR AND CONTAINER IS UNDAMAGED. THIS IS A SINGLE DOSE UNIT. IT CONTAINS NO PRESERVATIVES. USE PROMPTLY UPON INITIAL ENTRY. IF ENTIRE CONTENTS ARE NOT USED, DISCARD UNUSED PORTION. NOT FOR USE IN THE TREATMENT OF LACTIC ACIDOSIS. SQUEEZE AND INSPECT INNER BAG WHICH MAINTAINS PRODUCT STERILITY. DISCARD IF LEAKS ARE FOUND OR IF THE SOLUTION CONTAINS VISIBLE SOLID PARTICLES.**

**WARNING: DO NOT ADMINISTER TO HORSES BY INTRAPERITONEAL INJECTION.**

**STORAGE: STORE BETWEEN 15°C - 30°C. KEEP FROM FREEZING.**

**KEEP OUT OF REACH OF CHILDREN  
RX ONLY.**



**CAUTION: FEDERAL LAW RESTRICTS THIS DRUG TO USE BY OR ON THE ORDER OF A LICENSED VETERINARIAN.**

**800**

**ASSEMBLED IN U.S.A.**

18-803

NDC # 65207-803-61 RMS# 92-2111



365207803613

**NOVA-TECH™**  
ANIMAL HEALTH

# LACTATED RINGERS INJECTION

Approx.

1000

## FOR ANIMAL USE ONLY 5000 mL (169.07 fl. Oz.)

**ACTIVE INGREDIENTS:** EACH 100 mL CONTAINS SODIUM CHLORIDE 600 mg; SODIUM LACTATE 310 mg; POTASSIUM CHLORIDE 30 mg; CALCIUM CHLORIDE, DIHYDRATE 20 mg IN WATER FOR INJECTION. MAY CONTAIN HCl OR NaOH FOR pH ADJUSTMENT. 2000

**mEq/LITER:** SODIUM 130; CHLORIDE 109; LACTATE 28; POTASSIUM 4.0; CALCIUM 2.7.

**OSMOLARITY:** 269 mOsmol/LITER (CALC.).

**pH:** 6.6 (6.0—7.5).

**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.

**CAUTION:** SOLUTION SHOULD BE WARMED TO BODY TEMPERATURE PRIOR TO ADMINISTRATION AND ADMINISTERED AT A SLOW RATE. STERILE NONPYROGENIC SOLUTION. USE ONLY IF SOLUTION IS CLEAR AND CONTAINER IS UNDAMAGED. THIS IS A SINGLE DOSE UNIT. IT CONTAINS NO PRESERVATIVES. USE PROMPTLY UPON INITIAL ENTRY. IF ENTIRE CONTENTS ARE NOT USED, DISCARD UNUSED PORTION. NOT FOR USE IN THE TREATMENT OF LACTIC ACIDOSIS. SQUEEZE AND INSPECT INNER BAG WHICH MAINTAINS PRODUCT STERILITY. DISCARD IF LEAKS ARE FOUND OR IF THE SOLUTION CONTAINS VISIBLE SOLID PARTICLES. 3000

**WARNING:** DO NOT ADMINISTER TO HORSES BY INTRAPERITONEAL INJECTION.

**STORAGE:** STORE BETWEEN 15°C - 30°C. KEEP FROM FREEZING.

**KEEP OUT OF REACH OF CHILDREN**



**RX ONLY**

**CAUTION:** FEDERAL LAW RESTRICTS THIS DRUG TO USE BY OR ON THE ORDER OF A LICENSED VETERINARIAN. 4000

18-803

RMS# 92-2112

**ASSEMBLED IN U.S.A.** NDC# 65207-803-80

**NOVA-TECH™**  
ANIMAL HEALTH



# LACTATED RINGERS

lactated ringers injection, solution

## Product Information

<b>Product Type</b>	PRESCRIPTION ANIMAL DRUG	<b>Item Code (Source)</b>	NDC:65207-803
<b>Route of Administration</b>	INTRAVENOUS, SUBCUTANEOUS, INTRAPERITONEAL		

## Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
<b>SODIUM CHLORIDE</b> (UNII: 451W47IQ8X) (CHLORIDE ION - UNII:Q32ZN48698)	SODIUM CHLORIDE	600 mg in 100 mL
<b>SODIUM LACTATE</b> (UNII: TU7HW0W0QT) (LACTIC ACID - UNII:33X04XA5AT)	SODIUM LACTATE	310 mg in 100 mL
<b>POTASSIUM CHLORIDE</b> (UNII: 660YQ98I10) (POTASSIUM CATION - UNII:295O53K152)	POTASSIUM CATION	30 mg in 100 mL
<b>CALCIUM CHLORIDE</b> (UNII: M4I0D6VV5M) (CALCIUM CATION - UNII:2M83C4R6ZB)	CALCIUM CHLORIDE	20 mg in 100 mL

## Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:65207-803-60	1000 mL in 1 BOTTLE, PLASTIC		
2	NDC:65207-803-61	1000 mL in 1 BAG		
3	NDC:65207-803-80	5000 mL in 1 BAG		

## Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
unapproved drug other		03/18/2020	

**Labeler** - Nova-Tech, Inc. (196078976)

Revised: 1/2024

Nova-Tech, Inc.