

**LACTATED RINGERS - lactated ringers injection, solution**  
**A & G Pharmaceuticals, Inc.**

*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 Injection Sterile Nonpyrogenic 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**

**INDICATIONS:**

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

**DOSAGE AND 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.

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

**EACH 100 mL 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 mOsmol 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.

Manufactured by

Nova-Tech, Inc.

Grand Island, NE 68801

# TAKE TIME OBSERVE LABEL DIRECTIONS

Iss. 04-09

Manufactured for:

A and G Pharmaceuticals

Clarksburg, NJ 08510

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Grand Island, NE 68801



18-803-60  
RMS 92-559

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Lot No.

Exp. Date

## LACTATED RINGERS

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### Product Information

<b>Product Type</b>	PRESCRIPTION ANIMAL DRUG	<b>Item Code (Source)</b>	NDC:57699-803
<b>Route of Administration</b>	INTRAVENOUS, SUBCUTANEOUS, INTRAPERITONEAL		

### Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
<b>Sodium Chloride</b> (UNII: 451W47IQ8X) (Sodium Cation - UNII:LYR4M0NH37)	Sodium Chloride	600 mg in 1000 mL
<b>Sodium Lactate</b> (UNII: TU7HW0W0QT) (Sodium Cation - UNII:LYR4M0NH37)	Sodium Lactate	310 mg in 1000 mL
<b>Potassium Chloride</b> (UNII: 660YQ98I10) (Potassium Cation - UNII:295O53K152)	Potassium Chloride	30 mg in 1000 mL
<b>Calcium Chloride</b> (UNII: M4I0D6VV5M) (Calcium Cation - UNII:2M83C4R6ZB)	Calcium Chloride	20 mg in 1000 mL

### Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:57699-803-60	1000 mL in 1 BOTTLE, PLASTIC		

### Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
unapproved drug other		01/25/2013	

**Labeler** - A & G Pharmaceuticals, Inc. (182147033)

**Registrant** - A & G Pharmaceuticals, Inc. (182147033)

### Establishment

Name	Address	ID/FEI	Business Operations
Nova-Tech Inc.		196078976	manufacture

### Establishment

Name	Address	ID/FEI	Business Operations
K+S KALI GmbH		507531213	api manufacture

Revised: 2/2015

A & G Pharmaceuticals, Inc.