

FRESHEN. REBOUND. TRANSITION



Prepare your cows to enter the milking herd while protecting against milk fever.

- Immediate and sustained release of calcium
- Cutting-edge quick dissolution bolus technology
- Easy administration with no withdrawal period



Oral Supplement For Dairy Cows



BRANDS & MANUFACTURERS



Genesis Instruments is a manufacturer of quality instruments, delivery systems and other specialty products serving the animal health industry, including unique delivery systems for injectable, topical and oral animal health products. Our delivery systems are recognized for their accurate and consistent delivery, as well as their ergonomic design.



MAI is a manufacturer of unique products serving the animal health industry, including a full range of supplies for use with Artificial Insemination, Embryo Transfer and In Vitro Fertilization techniques, as well as a range of flexible tubing and vinyl products used for oral feeding and intravenous fluid therapy. Specialty products are designed for use by veterinarians and producers working with a variety of species including companion and food producing animals.



The McCulloch Medical™ Constant Delivery™ Aspirator / Resuscitator and One Puff™ are simple to use, hand-held instruments to clear respiratory passages and pump air into a struggling newborn animal's lungs. McCulloch Medical™ also offers specialty masks and adapters for aerosol drug delivery and anesthesia, as well as Anesthesia Chambers and the Wild Child™ Feline Management System.

ESTROTECT"

ESTROTECT™ is an economical and effective, scratch-off heat detection aid for beef and dairy animals. ESTROTECT™ is designed to indicate standing heats for more accurate insemination times. University research has shown ESTROTECT™ to be as effective a heat detector as any device including the bull. ESTROTECT™ is available in five colors to use as a reproductive management tool.



The Dr. Larson Company offers products designed specifically for dairy cattle applications and functions. A variety of nutritional supplement products for transition cows are available to promote and support optimal milk production. A variety of products for udder health are also a part of the Dr. Larson portfolio, as well as numerous specialty products for other species.

TABLE OF CONTENTS

Reproduction	
ESTROTECT™ Heat Dectection 2-Piece All Plastic Syringes Syringe Caps & Drilled Pipettes Lubricants Obstetrical Instruments Sleeves	1 2 3 4 5 6 - 7
Specialty	
Respiratory - McCulloch Medical™ Aspirator / Resuscitator Kits Oral Fluid Delivery & Accessories IV Fluid Delivery Teat Care Products Sileum™ & Measuring Cups Dr. Larson's™ Dehorning Paste Rectal Rings & Umbilical Clamps Ruminant Stomach Products Health Records Management, Card File Systems & Accessories Animal Identification Leg Bands Wrapid-Cut™	8 - 9 10 - 17 18 - 19 20 - 24 25 26 27 28 29 30 31
Instruments	
Select Doser™ & Select Spinstir™ Complete Pow'r Doser™ & Hi-Flow™ Nozzles for Pow'r Doser™ & Hi-Flow™ LectraVet™ & Palm Grip™ Draw-Off & Spike Pump It™ for Injection Oral Pump It™ Bolus Guns	32 33 34 35 36 37 38 - 39
Nutritionals	
Dr. Larson's™ Pastes & Gels in Cartridges Dr. Larson's™ Bovine Buffer & Cartridge Accessories Dr. Larson's™ Nutritional Drenches Transition Nutritionals & Accessories	40 41 42 43 - 46



ESTROTECT[™]

The ESTROTECT[™] Heat Detector is an economical, simple to use and highly effective heat detection aid. It features simple "scratch-off" technology for superior results in your heat detection program. Available in five fluorescent colors - red / orange, blue, green, fuchsia and yellow. ESTROTECT[™] Heat Detectors are a management tool for artificial insemination breeding programs, recipients and donors, as well as natural breeding programs.

- Unequaled accuracy
- No messy glue
- One application per heat cycle
- · Simple to use



Item	Product Description	UOM
78000	ESTROTECT [™] Red / Orange, 50 Count	Each
78100	ESTROTECT [™] Blue, 50 Count	Each
78200	ESTROTECT [™] Green, 50 Count	Each
78300	ESTROTECT™ Fuchsia, 50 Count	Each
78600	ESTROTECT [™] Yellow, 50 Count	Each







2-Piece All Plastic Syringes



Pro-Ject[™] 2-Piece Syringes - Luer Slip & Luer Lock Tips

A non-spermicidal, non-embryocidal syringe commonly used in artificial insemination (A.I.) and embryo transfer (E.T.) applications.

- · Shorter stroke makes syringablilty easier
- · Larger finger grips
- Economical for one-time disposable use
- · 2-piece all plastic syringe
- Individually packaged and gamma irradiated





Item	Product Description	UOM
60020	Pro-Ject [™] 2-Piece Syringe, Luer Slip Tip, 15 cc, Gamma Irradiated	100/Box
60021	Pro-Ject [™] 2-Piece Syringe, Luer Lock Tip, 15 cc, Gamma Irradiated	100/Box
60040	Pro-Ject [™] 2-Piece Syringe, Luer Slip Tip, 35 cc, Gamma Irradiated	50/Box
60041	Pro-Ject [™] 2-Piece Syringe, Luer Lock Tip, 35 cc, Gamma Irradiated	50/Box
60060	Pro-Ject [™] 2-Piece Syringe, Luer Slip Tip, 60 cc, Gamma Irradiated	30/Box
60061	Pro-Ject [™] 2-Piece Syringe, Luer Lock Tip, 60 cc, Gamma Irradiated	30/Box
60080	Pro-Ject [™] 2-Piece Syringe, Luer Slip Tip, 80 cc, Gamma Irradiated	25/Box
60081	Pro-Ject [™] 2-Piece Syringe, Luer Lock Tip, 80 cc, Gamma Irradiated	25/Box



Luer Slip Tip



Luer Lock Tip



Oral Foley Tip

Pro-Ject[™] 2-Piece Syringes - Oral Foley Tip

- · Oral tip syringes are non-sterile
- Fits into the end of a foley catheter

Item	Product Description	UOM
60022	Pro-Ject [™] 2-Piece Syringe, Oral Foley Tip, 15 cc	100/Box
60042	Pro-Ject [™] 2-Piece Syringe, Oral Foley Tip, 35 cc	50/Box
60062	Pro-Ject [™] 2-Piece Syringe, Oral Foley Tip, 60 cc	25/Box
60082	Pro-Ject [™] 2-Piece Syringe, Oral Foley Tip, 80 cc	25/Box





Syringe Caps & Drilled Pipettes

Syringe Caps

Syringe Caps attach to syringe tip to allow for safe transport and/or dispensing of medication.







Item	Product Description	UOM
02201	Cap for Luer Lock Tip Syringe	1,000/Bag
02202	Cap for Luer Lock Tip Syringe	500/Vial
02203	Cap for Luer Lock Tip Syringe	100/Vial
02204	Cap for Luer Slip Tip Syringe	1,000/Bag
02205	Cap for Luer Slip Tip Syringe	500/Vial
02206	Cap for Luer Slip Tip Syringe	100/Vial
60807	Cap for Oral Foley Tip Syringe	1,000/Bag
60808	Cap for Oral Foley Tip Syringe	500/Vial
60809	Cap for Oral Foley Tip Syringe	100/Vial

Drilled Pipettes

The syringe adapter is drilled into the PVC tube and accepts any luer slip or luer lock syringe.

Item	Product Description	иом
	•	
19030	Infusion Pipette, Drilled Tip - 18"	25/Bag
19050	Infusion Pipette, Drilled Tip - 21"	25/Bag
19035	Infusion Pipette, Drilled Tip - 18",	25/Bag
	Gamma Irradiated or EtO Exposed	
19055	Infusion Pipette, Drilled Tip - 21",	25/Bag
	Gamma Irradiated or EtO Exposed	



*Looking for additional Embryo Transfer and A.I. products?

Please visit our website to view our full catalog:

maianimalhealth.com



Lubricants



Glide™ - OB Lube & Ultrasound Transmission Gel

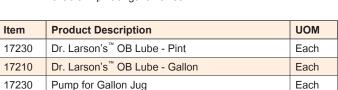
- Lubricant for gynecological and reproductive procedures in all species
- Ideal for use with Ultrasonic Probes and cost effective compared to other transmission gels
- Non-spermicidal
- Ideal pH
- Perfect lube for semen collections in all species
- Water-soluble, colorless, odorless and stainless
- Irritation-free lubricant



Item	Product Description	UOM
17236	Glide [™] Lubricating Jelly - 5 oz	Each
17238	Glide [™] Lubricating Jelly - Gallon	Each

Dr. Larson's™ OB Lube

- Non-irritating, greaseless lubricant for hand, arm and instrument use when performing obstetrical or rectal examinations
- Used to minimize irritation to user's skin and animal mucous membranes
- Used in artificial insemination, gynecological and ultrasound procedures
- Non-spermicidal, non-embryocidal and bacteriostatic
- Water-soluble
- For animal use only
- Available in pint or gallon sizes













Breech Retractor™

Stainless steel instrument used to aid in the reposition of a breech presentation of a fetus.

- Length 35-1/2"
- Blunt, rounded tip with a circular stop approximately six inches from the end is used by inserting the instrument tip into the fetus' rectum
- Circular stop on the instrument prevents over insertion and potential trauma to rectal walls. With physical force pushing the fetus anteriorly, the practitioner attains a physical advantage for repositioning the fetus for birth

Item	Product Description	UOM
17040	Breech Retractor [™]	Each

Ellis Uterine Detorsion Rod

Stainless steel instrument used to correct torsion or rotation of the uterus that may restrict the fetus from passing though the birth canal.

- Length 36-3/4"
- · Rod shaft will not twist during use



- · Single eyelet end for fetal feet manipulation
- Opposite end features groove plates for attachment of OB chains

Item	Product Description	UOM
17010	Ellis Uterine Detorsion Rod	Each

Fetal Repeller

Stainless steel instrument used to aid in the correction of wry-neck or head-back birth position of fetus.

- Length 35-1/2" with a handle at one end and U-shaped yoke at the other end
- U-shaped yoke is placed on the shoulder opposite of the neck and head direction
- With even force placed on the instrument, a practitioner has a physical advantage in repositioning the fetus' head for delivery

Item	Product Description	UOM
17042	Fetal Repeller	Each





Sleeves



Shoulder-Length Plastic Sleeves - Non-Sterile or Gamma Irradiated

A complete selection of shoulder-length, disposable sleeves in assorted materials and thicknesses used for various large animal procedures. All gamma irradiated sleeves are individually packaged.

Ultra-Sens[™] Sleeves

- 1 mil copolymer
- · Length 26"
- Super sensitive feel
- Clear
- · Non-sterile or gamma irradiated

Item	Product Description	UOM
19535	Ultra-Sens [™] Sleeve	100/Box
19532	Ultra-Sens [™] Sleeve - Gamma Irradiated	25/Bag

Shyr™ Pro-Max Sleeves

- · 1.25 mil polyethylene
- Length 35"
- For large hand
- Grey
- · Non-sterile or gamma irradiated

Item	Product Description	UOM
19205	Shyr [™] Pro-Max Sleeve, Grey	100/Bag
19222	Shyr [™] Pro-Max Sleeve, Grey - Gamma Irradiated	25/Bag

Magnum Sleeve, Brown

- 1.25 mil copolymer
- · Length 39"
- High sensitivity and durability
- Brown
- Non-sterile

Item	Product Description	UOM
32213	Magnum Sleeve, Brown	100/Bag







Gripper™ Shoulder-Length Plastic Sleeves - Non-Sterile or Gamma Irradiated

Disposable sleeve with a comfortable elastic band that retains the disposable sleeve onto the user's arm without the use of shrouds, hemostats or other devices. Simple yet effective for maintaining sleeve positioning. Ideal for prolonged use.

Gripper™ Ultra-Sens™ Sleeves

- 1 mil copolymer
- Length 26"
- Super sensitive feel
- Clear
- Non-sterile or gamma irradiated

Ideal in use for Surgeries

	U

Item	Product Description	UOM
32100	Gripper™ Ultra-Sens™ Sleeve	25/Bag
32110	Gripper™ Ultra-Sens™ Sleeve - Gamma Irradiated	25/Bag

Note:

Use the Wrapid-Cut™ for Large Animal Surgeries. See Page 31 for more information.



*Looking for additional Embryo Transfer and A.I. products?

Please visit our website to view our full catalog:

maianimalhealth.com



Respiratory - McCulloch Medical™ Aspirator / Resuscitator Kits



McCulloch Medical[™] Aspirator / Resuscitators

The McCulloch Medical™ Aspirator / Resuscitator is the effective, all-in-one device used to clear respiratory passages and pump air into a struggling newborn animal's lungs. The Aspirator / Resuscitator has been developed, tested and proven globally over 16 years for use with newborn animals in respiratory arrest or having difficulty breathing. Ideal for use with animals requiring resuscitation in post-trauma, drowning or smoke-inhalation status. This simple and convenient instrument aspirates on one end and resuscitates on the other, delivering an appropriate volume of air with or without oxygen. McCulloch Medical™ Aspirator / Resuscitator Pumps are available in four sizes based on the weight of the animal and can be matched with a variety of Aspirator / Resuscitator Mask sizes. A vital tool for all veterinarians, farmers, breeders and pet owners.

- Easy-to-use and convenient only one person is needed to operate system using simple push-pull action
- Safe, effective and humane eliminates traditional revival methods such as shaking or swinging
- Pumps and Masks are long lasting and durable accompanied by a 2-year replacement warranty
- Easily cleaned in 1:20 solution of bleach and water
- Supplemental Oxygen Adapter available, offering ability to resuscitate with or without oxygen
- May be purchased in a convenient kit specific to an animal species

Calf Aspirator / Resuscitator Kit

Kit includes: Aspirator / Resuscitator Pump, Aspirator Mask, Resuscitator Mask, Carrying Case and instructions. Supplemental Oxygen Adapter and Oxygen Recovery Mask sold separately.

Item	Product Description	UOM
55310	Aspirator / Resuscitator Kit, Calf	Each





Lamb / Kid / Alpaca / Cria / Miniature Foal Aspirator / Resuscitator Kit

Kit includes: Aspirator / Resuscitator Pump, Aspirator Mask, Resuscitator Mask, Carrying Case and instructions. Supplemental Oxygen Adapter and Oxygen Recovery Mask sold separately.

Item	Product Description	UOM
55320	Aspirator / Resuscitator Kit, Lamb,	Each
	Kid, Alpaca, Cria, Miniature Foal	





Piglet Aspirator / Resuscitator Kit

Kit includes: Aspirator / Resuscitator Pump, Aspirator Mask, Resuscitator Mask, Carrying Case and instructions. Supplemental Oxygen Adapter and Oxygen Recovery Mask sold separately.

Item	Product Description	UOM
55330	Aspirator / Resuscitator Kit, Piglet	Each





The Patented McCulloch Medical™ Animal Resuscitators have won the following international awards:

- Best Prototype National Agricultural Fieldays, New Zealand
- Best New Equipment National Agricultural Fieldays, New Zealand
- Best New Product Royal Welsh Agricultural Show, UK
- D.L.G. Innovation Award EuroTier, Germany
- Best New Product Balmoral Royal Agricultural Show, Ireland
- Best Product of Show Balmoral Royal Agricultural Show, Ireland
- Best Technical Innovation Award Royal Highland Show, Edinburgh, Scotland
- First Prize Most Innovative Horse Care Product Equitana, Louisville, Kentucky, USA
- Gold Medal International Exhibition of Inventions Geneva, Switzerland
- SONY NZ Excellence in Innovation Award

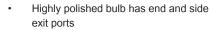
Oral Fluid Delivery



The Whiplash™ Complete

The Whiplash[™] Complete is the superior system for delivering liquid medicants, nutritionals, electrolytes, mineral oil, bloat remedies or high volumes of fluids. The Med-Eze[™] Stomach Pump is stainless steel, durable, low maintenance and delivers one liter of fluids in three strokes.

- Includes: The Whiplash[™] Flexible Stainless Steel Stomach Tube, Med-Eze[™] Stomach Pump and 6 ft durable rubber hose
- · Flexible, stainless steel construction
- Med-Eze[™] Stomach Pump reliably delivers 335 ml per stroke; three strokes deliver one liter





- Elongated probe completely enters rumen and allows for high volume fluid delivery
- The Whiplash[™] Flexible Stainless Steel Stomach Tube is available in 60 and 80 inch lengths
- Nose clamp allows oral delivery without assistance
- Lid sold separately

Item	Product Description	UOM
76004	The Whiplash [™] Complete with Pump, Rubber Hose & Flexible	Each
	Stainless Steel Stomach Tube, 60"	
76005	The Whiplash [™] Complete with Pump, Rubber Hose & Flexible	Each
	Stainless Steel Stomach Tube, 80"	
76110	Med-Eze [™] Lid	Each

The Whiplash™ Flexible Stainless Steel Stomach Tube, 60"



Item	Description	UOM
76051	The Whiplash [™] Flexible Stainless Steel Stomach Tube, 60" with	Each
	Nose Lead	



Med-Eze[™] Oral Delivery Pump

The universal pump for delivery of liquid nutritionals and medicants.

- Includes: pump, lid, 6 ft plastic tube and rigid plastic L-shaped oral probe
- · Leakproof delivery pump
- Durable stainless steel construction eliminates corrosion
- Easy and consistent delivery of product
- Reduces arm and shoulder fatigue
- · Three stokes deliver one liter
- Designed for oral delivery of drenches, fluids and nutraceuticals



Item	Product Description	UOM	
34123	Med-Eze [™] Oral Delivery Pump	Each	

Med-Eze[™] Cart Pump

 Mobile and versatile system for high volume delivery of Up & Over[™] Plus and other oral liquids or gels

- 15 gallon capacity
- · Increased mobility and product capacity
- Easy and consistent delivery of product
- Durable stainless steel cart with all plastic construction reservoir
- Designed for use with The Whiplash[™] Flexible Stainless Steel Stomach Tube

Item	Product Description	UOM
76010	Med-Eze [™] Cart Pump	Each



Oral Fluid Delivery



Med-Eze[™] Stomach Pump

- Hose connection accommodates various size stomach tubes
- Dual Action: may be used to pump fluids or with accessory Suction Adapter (#76816) can extract stomach / rumen content or uterine fluid
- · Durable stainless steel construction
- · Easy, consistent draw and delivery
- · Reduces arm and shoulder fatigue
- Each stroke delivers 335 ml



Item	Product Description	UOM
34124	Med-Eze [™] Stomach Pump	Each
76816	Suction Adapter	Each

^{*} All component and replacement parts available for the Med-Eze™ Stomach Pump systems. Please contact us for more information.

Silicone Stomach Tubes

Stomach tubes are used primarily with equine and bovine. It is a method used to deliver large fluid volumes to an animal that is dehydrated from a disease process or surgical procedure. By placing the tube in a patient's stomach and utilizing pumps or gravitational flow, one can readily deliver large volumes of fluids successfully.

- gi-
- Silicone is completely inert and resists deterioration, works well even in extreme cold weather
- Steam sterilize or wash with mild soap and water
- Attaches to the Med-Eze[™] Stomach Pump to pump fluid, or if used with Suction Adapter, to extract fluids

Item	Product Description	UOM
39570	Silicone Stomach Tube, Small, 6-1/2 mm x 10 ft	Each
39571	Silicone Stomach Tube, Medium, 9-1/2 mm x 10 ft	Each
39572	Silicone Stomach Tube, Large, 11 mm x 10 ft	Each





Calf-Maid® Nipple & Bottles

- Unique patented nipple provides calves with continuous milk flow when utilizing the nipple feeder
- Rollover nipple securely affixes on the feeder container tightly, avoiding potential leakage
- 1-piece rollover nipple with strategic vent allows for ease in cleaning and maintenance
- Improves calf's ability to suckle without taking in large volumes of air
- Sturdy, high density polyethylene bottle
- Available in 2, 3 and 4 liter bottles with rollover neck finish

Item	Product Description	UOM
39800	Calf-Maid [®] Nipple, Black	Each
39519	Calf-Maid® Bottle, 2 Quart / Liter	Each
39521	Calf-Maid® Bottle, 3 Quart / Liter	Each
39522	Calf-Maid® Bottle, 4 Quart / Liter	Each

Calf Bottles with Storage Caps, Nipple & Threaded Retention Ring

- Sturdy, high density polyethylene bottle with screw top neck finish to accommodate ring and nipple
- Fits 2 & 3 liter Adapt-A-Bottle[™]
- Storage cap allows for storage of fresh or frozen colostrum

Item	Product Description	UOM
39400	Adapt-A-Bottle [™] 2 Liter	Each
	(Bottle, Ring, Nipple & Storage Cap)	
39401	Adapt-A-Bottle [™] 3 Liter	Each
	(Bottle, Ring, Nipple & Storage Cap)	





Oral Fluid Delivery



Handi Grip[™] Feeder & Storage Bottles

Uniquely designed 4 quart / 4 liter bottle used for colostrum storage, as a feeder bottle with a nipple and as a reservoir when attached to an esophageal probe in feeding or providing electrolytes to calves.

- High density polyethylene bottle with flat side walls and large handle
- 70 mm neck finish allows ease in cleaning and filling
- Uniquely designed easy grip handle enables user to tilt the container at any angle and maintain control
- Specialty caps provide adaptability allowing the container to be used as a nipple feeder, an oral esophageal feeder or a storage container
- High volume capacity provides up to one gallon or 4 liters of colostrum or electrolytes
- Durable and versatile bottle allows user to freeze colostrum
- Configuration of the bottle provides for easy storage in a freezer compartment, lays on its side or upright
- High value storage cap provides secure interface between cap and container
- Feeder bottle is built to be used in automatic washers as well as used in conventional feeding racks
- Handle and body are easily cleaned internally using a long-handled brush available from MAI
- Oral feeder probes available in plastic or stainless steel

Item	Description	UOM
39405	Handi Grip [™] 4 Quart / Liter Storage System (Bottle & Storage Cap)	Each
39402	Handi Grip [™] 4 Quart / Liter Storage System & Nipple Feeder	Each
39516	Handi Grip [™] 4 Quart / Liter Storage System & Plastic Esophageal Feeder	Each
39411	Probe, Stainless Steel, 3/8" with Halkey-Roberts® Clamp for 3 & 4 Liter Bottles	Each
39412	Probe, Stainless Steel, 1/2" with Halkey-Roberts® Clamp for 3 & 4 Liter Bottles	Each







Calf Bottles with Plastic Probe & Vented Plastic Cap

A standard calf bottle adapted to be used for force feeding colostrum fluids.

- Bottle may be used with milk feeder nipple or oral feeder system
- Storage cap allows for storage of fresh or frozen colostrum
- Probe's tapered bulb end inserts easily into patient's esophagus
- Single piece vented cap fits standard milk feeding container with threaded mouth
- Halkey-Roberts[®] clamp to regulate flow
- Includes: bottle, vented cap, tube, clamp, rigid plastic probe and storage cap



Item	Product Description	UOM
05250	Adapt-A-Bottle [™] 2 Liter with Plastic Probe & Storage Cap	Each
39510	Adapt-A-Bottle [™] 3 Liter with Plastic Probe & Storage Cap	Each

MAI Oral Calf Feeder Bag

- Oral feeding system for colostrum, electrolytes and medicated fluids
- Large 2-1/2 liter vinyl bag to hold fluids or electrolytes
- Large zipper for easy filling and cleaning
- Large handle for carrying or hanging
- Available with 1-piece plastic probe
- 2 sizes of oral probes; Standard and Small Probes
- Halkey-Roberts[®] clamp to regulate flow

Item	Product Description	UOM
05200	MAI Oral Calf Feeder Bag, 2-1/2 Liter with Plastic Probe	Each
39541	MAI Oral Calf Feeder Bag, 2-1/2 Liter with Small Plastic Probe	Each

HALKEY-ROBERTS is a registered trademark of Halkey-Roberts Corporation.



Plastic and Stainless Steel Probes for Feeder Bottles



Plastic Probes for 2, 3 & 4 Liter Bottles with Vented Cap





Item	Product Description	UOM
39506	Probe, Plastic with Halkey-Roberts® Clamp for 2 Liter Bottle	Each
39410	Probe, Plastic with Halkey-Roberts® Clamp for 3 & 4 Liter Bottles	Each

Stainless Steel Probes for 3 & 4 Liter Bottles with Single Piece Vented Cap



Item	Product Description	UOM
39411	Probe, Stainless Steel, 3/8" with Halkey-Roberts® Clamp for 3 & 4	
	Liter Bottles	
39412	Probe, Stainless Steel, 1/2" with Halkey-Roberts® Clamp for 3 & 4	Each
	Liter Bottles	

Stainless Steel Probes for 2 Liter Bottles with Vented Cap



Item	Product Description	UOM
39415	Probe, Stainless Steel, 3/8" with Halkey-Roberts® Clamp for 2 Liter	
	Bottle	
39416	Probe, Stainless Steel, 1/2" with Halkey-Roberts® Clamp for 2 Liter	Each
	Bottle	



Calf-Maid® Nipple

Item	Product Description	UOM
39800	Calf-Maid® Nipple, Black	Each



Nipple with Screw Ring

Item	Product Description	UOM
39803	Nipple with Screw Ring	Each



Single Piece Threaded Cap, Vented

Item	Product Description	UOM
06562BK	70 mm Single Piece Threaded Cap,	Each
	Vented, for 3 & 4 Liter Oral Feeder	



Adapt-A-Bottle™ Replacement Port Valve & Threaded Ring

Item	Product Description	UOM
39503	Adapt-A-Bottle [™] Replacement Port Valve	Each
	& Ring Screw for 2 Liter Oral Feeder	



Adapt-A-Bottle™ Cap, White Foam-Lined

Item	Product Description	UOM
06570WH	Cap, White Foam-Lined 70-485	Each
	(fits Adapt-A-Bottle [™])	



Bottle Brush

- 22" long compared to most competitor brushes which are 18"
- · Heavy duty galvanized wire handle and shaft
- · Stiff, food grade brush material
- Flexible



- Reaches inside the handle of the 4 liter Handi Grip[™] Bottle as well as 6 liter Back Packs
- Convenient hanging loop on handle
- Smooth loop at the bristle end
- · No sharp edges

Item	Product Description	UOM
39805	Bottle Brush, 22"	Each



IV Fluid Delivery



EMT Large Animal IV Giving Set

- Disposable double spike IV fluid delivery system designed for large animal fluid administration
- · Spiked, vented 20 drops/ml drip chamber
- Halkey-Roberts[®] clamp to regulate flow
- Total length with coil extended is 157"
- · Roller clamp to adjust drip rate
- Injection port
- · Luer lock needle adapter
- · Spike securing straps
- Individually packaged and gamma irradiated or EtO exposed



Item	Product Description	UOM
39006	EMT Large Animal IV Giving Set	Each

IV Giving Set with Drip Chamber

- Large bore
- Luer slip
- · Injection port
- 20 drops/ml drip chamber
- Individually packaged and gamma irradiated or EtO exposed



Item	Product Description	UOM
39000	IV Giving Set with Drip Chamber, 64"	Each

IV Spike with Tubing

- Non-vented bottle spike with 60" large bore tubing, a Halkey-Roberts® clamp to regulate flow and a luer slip tip
- Individually packaged and gamma irradiated or EtO exposed



Item	Product Description	UOM
04123	IV Spike with Tubing	Each



MAI IV Simplex

- Vented device used to administer intravenous solutions and medicants to large animals
- Funnel opening is 2.6 cm inside diameter that stretches to fit over common 30 mm bottle neck finishes
- 72" star design tubing, minimizes kinking and pinching
- Used in IV fluid therapy
- Funnel made of plastisol versus latex rubber
- Luer slip tip needle adapter
- Halkey-Roberts[®] clamp to regulate flow

Item	Product Description	UOM
04127	MAI IV Simplex with Luer Slip Needle Adapter	Each

Quick Tip™ IV Simplex Adapter

- Quickly transfers a Simplex from bottle to bottle
- No interruption of fluid delivery
- Adapts to any bottle with a 28 mm to 33 mm neck finish
- Attaches to either latex rubber or plastic funnel of a Simplex assembly
- Less stress time for animals
- · Reduces frustration by users
- · Patent pending globally

Item	Product Description	UOM
40409	Quick Tip [™] IV Simplex Adapter	3/Bag
40410	Quick Tip [™] IV Simplex Adapter	10/Bag
40411	Quick Tip [™] IV Simplex Adapter - Bulk	1,000/Box



Quick Tip™ IV Simplex Adapter works great with the MAI IV Simplex but may be used with ANY Simplex!

NEW





Teat Care Products



Dr. Larson's[™] Frost Free[™] Plus

- Topical skin conditioner used in prevention of frozen teats
- Contains emollients preventing teat irritation caused by freezing, sun burn or other environmental conditions
- Assists in preventing chapping or irritation due to harsh chemicals or sanitizers
- Soothes, protects and maintains teats' smooth and supple characteristics



- Easy to apply and lasts from milking to milking
- Use selectively or apply to entire herd
- Cost effective to use year round
- Convenient sizes to meet herd needs
- Works synergistically with teat dilators to promote healing of the teat's external orfice while the dilator keeps the teat canal open and functional until it heals

Item	Product Description	UOM
33500	Dr. Larson's [™] Frost Free [™] Plus, 1 lb Jar	Each
33510	Dr. Larson's [™] Frost Free [™] Plus, 4 lb Jar	Each
33520	Dr. Larson's [™] Frost Free [™] Plus, 8 lb Pail	Each
33530	Dr. Larson's [™] Frost Free [™] Plus, 32 lb Pail	Each







Dr. Larson's™ Derma-Mint™

Contains menthol, well known for its cooling, antiseptic, analgesic and anti-inflammatory effects. Peppermint oil has long been recognized for its diverse medicinal properties.

- 35% all natural peppermint oil, non-greasy formulation
- Helps improve teat and udder health
- An aid to maintain udder condition post freshening
- Increases circulation and reduces swelling
- Apply 5 ml 10 ml two to three times a day for 3 days
- Also effective on swollen hocks or joints
- Mild, safe and worry free
- Do not rub into open wounds or teat sphincter
- Contains no antibiotics
- 500 ml has convenient hanging hook
- Optional dispenser available for 2,500 ml Derma-Mint™



Item	Product Description	UOM
42001	Dr. Larson's [™] Derma-Mint [™] , 500 ml	Each
42005	Dr. Larson's [™] Derma-Mint [™] , 2,500 ml	Each
42006	Dr. Larson's [™] Derma-Mint [™] Nipple Dispenser, 2,500 ml	Each



🙀 Available Soon 🦈



Derma Manage-Mint[™] & Derma Mist[™]

Unique formulation of peppermint, tea tree and calendula plant oils that soften and condition tender udders after calving.

- Reduces udder edema that can damage mammary supportive ligaments and shorten milking longevity
- Safe and completely natural herbal products

For updates on "Available Soon" Products and additional NEW Products, please visit our website:

majanimalhealth.com



Teat Care Products



Infusion Cannula

Genesis® Infusion Cannula

Blunt end cannula used to medicate teats or difficult to reach orifices.

- Standard teat cannula with a tapered tip for ease of insertion
- · Attaches to luer lock or luer slip syringe tip
- · Individually packaged



Item	Product Description	UOM
02115	Genesis® Infusion Cannula	100/Box

Genesis® Teat Dilator

Uniquely designed with diamond-shaped wings to hold the dilator securely in position without causing irritation to the teat sphincter.

- Made of soft flexible plastic
- Broad base prevents over insertion and allows teat sphincter to relax
- · Non-traumatic and non-irritating
- Does not cause scarring
- Individually packaged



Item	Product Description	UOM
17125	Genesis® Teat Dilator	100/Box

Scott[™] Nozzle

- Unique short tipped plastic cannula
- Provides complete treatment of entire teat with partial insertion of tip into teat canal



- Used for intramammary injection of medicine for dry cow treatment and mastitis
- Attaches to luer lock or luer slip syringe tip
- Individually packaged

Item	Product Description	UOM
02118	Scott [™] Nozzle	100/Box





Indwelling Teat Tubes

Dr. Larson's™ Teat Tube

- Flexible, non-irritating fingers to retain tube in teat
- Teat sphincter is immobilized to aid healing, even with severely smashed teats
- Leave in teat until teat orifice is healed
- Removing threaded cap allows milk to drain from the teat
- Gamma irradiated, ready to use
- Available 3 per package or 36 per display card



Item	Product Description	UOM
02528	Dr. Larson's [™] Teat Tube	3/Pkg
02530	Dr. Larson's [™] Teat Tubes with Display Card	36/Card

Shyr™ Milk Tubes

- · Indwelling milk tube with superior design
- · Friction base allows for medicant administration without removal
- · Base fits all mastitis tubes and luer slip syringe tips
- Cap is permanently attached
- Lightweight plastic construction, 1/18 the weight of steel tubes
- Flexible, trauma free
- Individually packaged, 50 per display card
- Available in 2 sizes; small and large

Item	Product Description	UOM
02550	Shyr [™] Milk Tubes, 1-3/4" x 1/16" Small with Display Card	50/Card
02555	Shyr [™] Milk Tubes, 1-3/4" x 1/8" Large with Display Card	50/Card

Note:

Don't forget your Dr. Larson's™ Frost Free™ Plus for teat care located on Page 20.





Teat Care Products



Stainless Steel Teat Sphincter Dilator

Tapered stainless steel instrument.

- Used to stretch a constricted teat sphincter
- Less trauma to teat
- · Stretching action reduces muscular striction
- · Autoclavable or easily sanitized

Item	Product Description	UOM
42400	Stainless Steel Teat Sphincter Dilator	Each

Stainless Steel Spiral Teat Curette Set

Stainless steel, spiral cutting edge instrument used to remove scar tissue and debris from traumatized teat sphincter.

- Curette set includes one small and one large diameter instrument
- · Cutting edge in spiral configuration
- · Assists in removal of foreign tissue
- Autoclavable or easily sanitized

Item	Product Description	UOM
42403	Stainless Steel Spiral Teat Curette Set	Set of 2







Sileum™

100% mucoid fiber material for use in gastrointestinal maintenance.

- Consists of finely ground psyllium hulls used in oral presentation to all species
- Useful in diarrhea therapy for calves,
 1 3 Tablespoons per feeding
- May use with oral feeder and electrolytes
- Relieves constipation and helps maintain normal gastrointestinal motility
- · Highly absorbent physical characteristics
- Used for:
 - ♦ Equine: Sand colic and other impaction forms of colic
 - ♦ Bovine: Hypo and hyper-intestinal motility
 - ◆ Porcine: Constipation post-farrowing in sows
- Maximum use per day is 0.3% of total ration
- May be used in electrolyte formulations

Item	Product Description	UOM
33040	Sileum [™] , 6 lb Pail	Each
33050	Sileum [™] , 24 lb Pail	Each

Dur-Ever[™] Measuring Cups

Graduated cups for measuring medicants into feed or medication formulas.

- · Available in multiple colors
- Suited for measuring Sileum[™], electrolytes or other ingredients for topical or oral delivery
- Dishwasher safe
- Set of four includes:
 - ♦ 10 ml 1/3 ounce
 - ♦ 30 ml 1 ounce
 - ♦ 45 ml 1-1/2 ounce

Set of 10 ml, 30 ml, 45 ml & 60 ml

♦ 60 ml - 2 ounce

Item	Product Description	UOM
10010NAT	Dur-Ever [™] Measuring Cups, Natural,	Set of 4





Dr. Larson's™ Dehorning Paste



Dr. Larson's[™] Dehorning Paste

- Apply to inhibit horn growth before it starts
- Eliminates blood, infections and trauma caused by dehorning saws and gouging dehorners
- Specialty tip allows penetration of horn bud to deliver material inhibiting bud development
- Easy to administer
- Dehorns 24 calves per tube
- Recommended for calves under eight weeks of age
- Multi-Dose[™] Syringe

Item	Product Description	UOM
34200	Dr. Larson's [™] Dehorning Paste, 32 cc Multi-Dose [™] Syringe	12/Box







Rectal Rings & Accessories

A non-surgical method of correcting a prolapsed rectum in swine, sheep and cattle.

Elastorator bands are applied over the prolapse area onto the plastic rectal ring or probe, preplaced and oriented at the base of the anus. Grooved area of the probe is at the anal sphincter base inside the anal lumen. The elastorator band is released onto the



groove, sealing tightly and securely onto the exposed rectal tissue at the base of the anus. Pressure necrosis causes the exposed tissue to fall off after 10-14 days due to lack of blood supply.

Item	Product Description	UOM
43001	Rectal Rings, 1/2"	20/Bag
43002	Rectal Rings, 5/8"	20/Bag
43003	Rectal Rings, 3/4"	20/Bag
43004	Rectal Rings, 7/8"	10/Bag
43005	Rectal Rings, 1"	10/Bag
43006	Rectal Rings, 1-1/4"	10/Bag
43011	Rectal Rings, 1/2" Bulk	1,000/Box
43012	Rectal Rings, 5/8" Bulk	1,000/Box
43013	Rectal Rings, 3/4" Bulk	1,000/Box
43014	Rectal Rings, 7/8" Bulk	1,000/Box
43015	Rectal Rings, 1" Bulk	1,000/Box
43016	Rectal Rings, 1-1/4" Bulk	1,000/Box
43800	Elastorator Band Applicator	Each
43803	Elastorator Band for Rectal Rings	100/Bag

Umbilical Clamps

- Used to seal the umbilicus of newborns to reduce exposure to the environment and to prevent disease infiltration
- Enhances the umbilicus' healing process and reduces the potential for umbilical hernias
- Designed to be applied with the Umbilical Clamp Applicator to assure secure closure

F		
Item	Product Description	UOM
14500	Umbilical Clamp Applicator	Each
14505	Umbilical Clamp, Pig / Sheep	25/Bag
14510	Umbilical Clamp, Calf / Foal	10/Bag



Ruminant Stomach Products



Indwelling Bloat Whistle

Three-piece plastic device to aid in chronic bloat relief.

- Inexpensive, rapid and simple procedure to correct bloat
- Placed into rumen using a minor surgical procedure where the trocar wings secure the rumen in place against the peritoneum. The outer trocar collar holds the trocar in place from the exterior with attachment tabs

Item	Product Description	UOM
14010	Indwelling Bloat Whistle	6/Box

Hylton LDA Repair Kit

Complete kit to relocate and repair a displaced abomasum.

- Roll and tack method
- Kit includes: Trocar, 2 Probes, 10 Toggle
 Pins with #5 Suture and 10 Buttons
- Trocar is used to pierce the abomasum
- Toggle Pin is a nylon rod with #5 Suture
- Probe is used to force Toggle Pin through Trocar for placement in abomasum
- Toggle Pin is placed in the abomasum and suture is secured to a Button after Trocar is removed
- Button retains Toggle Pin in place once sutured
- Kit may also be used in correcting a prolapsed vagina in beef or dairy cows

Item	Product Description	UOM
42700	Hylton LDA Repair Kit	Each
42710	Trocar for LDA Repair Kit	Each
42715	Buttons for LDA Repair Kit	10/Bag
42719	Toggle Pins without Suture for LDA Repair Kit	10/Bag
42720	Toggle Pins with Suture for LDA Repair Kit	10/Bag
42730	Probes for LDA Repair Kit	2/Pkg







Health Records Management, Card File Systems & Accessories

These files provide a general historical system to maintain individual animal records. The filing system consists of a hanging file holder with individual cards for each animal. The specialized colored tabs allow one to assign specific meanings or codes to easily identify medical records or reproductive concerns including the month to breed and birthing dates.

Hanging File Card Holders

Item	Product Description	UOM
13100	Hanging File Card Holders	100/Box



File Cards, #1 General

Item	Product Description	UOM
13200	File Cards, #1 General	100/Bag



File Cards, #2 Reproduction Cycles

Item	Product Description	UOM
13210	File Cards, #2 Reproduction Cycles	100/Bag



File Cards, #3 Reproduction Health

Item	Product Description	UOM
13220	File Cards, #3 Reproduction Health	100/Bag



File Tabs

Item	Product Description	UOM		
13301	File Tabs, Red	50/Bag		
13306	File Tabs, Blue	50/Bag		
13316	File Tabs, Yellow	50/Bag		



Animal Identification Leg Bands



ESTROTECT[™] ID

- Manufactured to maintain its color and will not lose its vibrancy in the sun or after exposure to mud or manure
- Self adhesive Leg Band lasts through all weather and living conditions
- May be applied effectively to the tail, leg/ankle, ear or almost any place on the animal
- Available in five brilliant colors red / orange, green, safety yellow, fuchsia and blue

Common uses for ESTROTECT™ ID:

- ◆ Reproduction Management
- ♦ Medical Treatment
- ◆ Dry Cow Identification
- ◆ Lame Cows
- ♦ Sorting / Culling
- ♦ Other uses requiring marking animals



Item	Product Description	UOM
79015	ESTROTECT [™] ID Leg Band - Red / Orange, 15 Bands/Pack	Each
79115	ESTROTECT [™] ID Leg Band - Blue, 15 Bands/Pack	Each
79215	ESTROTECT [™] ID Leg Band - Green, 15 Bands/Pack	Each
79315	ESTROTECT [™] ID Leg Band - Fuchsia, 15 Bands/Pack	Each
79615	ESTROTECT [™] ID Leg Band - Safety Yellow, 15 Bands/Pack	Each
79030	ESTROTECT [™] ID Leg Band - Red / Orange, 30 Bands/Pack	Each
79130	ESTROTECT [™] ID Leg Band - Blue, 30 Bands/Pack	Each
79230	ESTROTECT [™] ID Leg Band - Green, 30 Bands/Pack	Each
79330	ESTROTECT [™] ID Leg Band - Fuchsia, 30 Bands/Pack	Each
79630	ESTROTECT [™] ID Leg Band - Safety Yellow, 30 Bands/Pack	Each



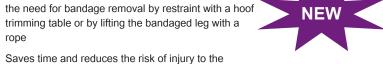






Vrapid - C

- Unique and specially designed cutting instrument used to cut and remove bandages on cattle hooves or any wrapped appendage
- Designed to use on most standing cows, eliminating trimming table or by lifting the bandaged leg with a rope



- bandaged patient
- Recessed cutting blade, enclosed within a guarded frame, allows user to slide the instrument under a bandaged hoof and safely cut the bandage
- Durable handle grip contoured for comfort and ease of use
- Handle features a guard extending the length of the instrument providing separation of the user from the cutting edge of the instrument



- Manufactured of durable plastic with the blade securely insert-molded into the handle
- Many additional uses including the removal of matted fur on dogs and cats, efficient use in large animal surgeries, routine package/bag opening or other applications requiring safe and effective cutting
- Patent pending globally

Item	Description	UOM
38500	Wrapid-Cut [™]	Each

Select Doser[™] & Select Spinstir[™]



Select Doser[™] 640

The Select Doser[™] 640 peristaltic pump is designed to inject product such as vaccines, acids and electrolytes into drinking water lines in ratios proportionate to the flow of water. Each unit is programmed with 13 standard ratios or may be custom programmed to fit your needs. The Select Doser[™] 640 is a high volume injector that will pump into water lines at 32 PSI and under.



Item	Product Description	UOM
77002	Select Doser [™] 640, #2 Sensor (VTY-10, 3/4")	Each
77003	Select Doser™ 640, #3 Sensor (VTH-25, 1-1/4")	Each
77001	Select Doser [™] 640, #1 Sensor (TBR, 3/4" Low Flow)	Each

Select Doser™ MAX

The Select Doser™ MAX is a proportional additive pump ideal for injecting chemicals, sanitizers and acidifiers into low or high pressure watering systems. The system may be custom programmed to deliver product by ratio or parts per million, making it easy for the end user to deliver the precise amount of product consistently.



Item	Product Description	UOM
77200	Select Doser™ MAX with 3/4" Flow Sensor	Each
77205	Select Doser [™] MAX with 1-1/4" Flow Sensor	Each
77206	Select Doser [™] MAX with 2" Flow Sensor	Each

Select Spinstir[™] Complete

The Select Spinstir[™] is a stock solution stirrer designed to keep powder in suspension during dosing, thus reducing product waste. The 12-Volt DC motor with adjustable control allows user to speed up or slow the rotation of the stirring magnet.



Item	Product Description	UOM
77500	Select Spinstir [™] Complete	Each



Pow'r Doser™ Instrument & Accessories

The Pow'r Doser™ system offers a dose adjustable pneumatic hand held delivery system that can be utilized with all livestock medication needs. The Pow'r Doser™, powered by air or CO₂, delivers an accurate and consistent dose whether your application is injection, intranasal spray, oral drenching or pour-on. Various inlet diameters available to accommodate different viscosities of product.



Item	Product Description	UOM
70102	Pow'r Doser [™] , 0 - 2 ml	Each
70110	Pow'r Doser [™] , 0 - 10 ml	Each
70115	Pow'r Doser [™] , 0 - 30 ml	Each
70120	Pow'r Doser [™] , 0 - 60 ml	Each
70130	Pow'r Doser [™] , 0 - 100 ml	Each
70140	Pow'r Doser [™] , 0 - 150 ml	Each

Hi-Flow[™] Automatic Syringes

The Hi-Flow[™] Automatic Syringe is a manual delivery system for drenches, pour-ons and vaccines. This lightweight, ergonomical design dispenses products of various viscosities.

- Used for oral, topical and injection procedures
- Choice of dispensing tips include; Oral, Spray, T-Bar or Luer Lock
- · High value, low cost
- Dose adjustable 0 12 ml and 0 30 ml
- · Ergonomic design for ease in compression

Item	Product Description	UOM
66300BK	Hi-Flow [™] 12 ml with 4 mm Inlet, Black	Each
66301BK	Hi-Flow [™] 30 ml with 4 mm Inlet, Black	Each

Note:

Please see Page 34 for Nozzles to use with the $Hi-Flow^{TM}$ & Pow'r Doser TM .





Nozzles for Pow'r Doser™ & Hi-Flow™



Nozzles for Pow'r Doser™& Hi-Flow™



Item	Product Description	UOM
70865	Nozzle, T-Bar with Insert, 1.2 mm	Each
70843	Nozzle, Spray, Aluminum	Each
70870	Nozzle, Short Pour-On, Black, Plastic	Each
70872	Nozzle, 14" Pour-On Wand, Stainless Steel	Each
70857	Nozzle, Sheep Drench, Stainless Steel	Each
70858	Nozzle, Short Cattle Drench, Stainless Steel	Each
70875	Nozzle, Hook, Short Cattle Drench, Stainless Steel	Each
70876	Nozzle, Hook, Long Cattle Drench, Stainless Steel	Each
70877	Nozzle, Floating Cattle Hook, Stainless Steel	Each
	Additional nozzles available, please contact us for more information	



Available Soon 🔅



Hi-Flow™ Plus - The only low cost dispensing instrument that counts every dose delivered.

V-Grip™ Dosing Instrument - The lowest cost method of medicant delivery.

> For updates on "Available Soon" Products and addtional NEW Products, please visit our website: maianimalhealth.com



LectraVet™

Superior Innovation in Dermal Delivery

The LectraVet[™] Injection System is driven by an electric motor powered by an 18-Volt battery. LectraVet[™] uses a perforator rather than a traditional needle to deliver subcutaneous / intramuscular vaccinations.



Stronger than a conventional needle, the perforator

minimizes breakage and is covered by a retractable nose cone that reduces the incidence of costly needle-stick injuries.

- Built-in counter
- Delivers over 1,500 injections with one battery charge
- Intelligent delivery
- · Dermal delivery with intramuscular results

Item	Product Description	UOM
71000	LectraVet [™] Injection System	Each
05-26-1010	LectraVet [™] Injection Head, 2.5 cc	Each
05-26-1013	LectraVet [™] Injection Head, 5.0 cc	Each

Palm Grip™

The rugged Palm Grip™ is manufactured using high quality materials and is designed for longevity. It is made from a combination of machined and cast metal components with plastic molded grips on the instrument body and trigger. Ergonomically designed to fit comfortably in the hand. Its upward piston design and trigger stroke offer less stress to the hand and wrist.



- Accurate, multi-dose vaccinator
- Simple maintenance and minimal replacement parts
- Easy to disassemble and clean
- Available in dose adjustable 1 ml and 5 ml models
- Luer lock tip fits all needles globally
- 20 mm or 30 mm vented draw-off spike with 1 meter of tubing

Item	Product Description	UOM
73500	Palm Grip [™] 0.1 - 1.0 ml Multi-Dose Vaccinator	Each
73505	Palm Grip [™] 1 - 5 ml Multi-Dose Vaccinator	Each



Draw-Off & Spike Pump It™ for Injection



Pump It™

The Pump It $^{\infty}$ is a refillable, fixed dose automatic syringe system that can be used to deliver liquid products by means of injection or intranasal administration. This low cost, high value semi-disposable instrument distinguishes itself from other syringes due to its versatility and small, palm-held configuration with short trigger stroke for ease in dose administration.

Draw-Off Pump It[™] for Injection / Instranasal Delivery

The Draw-Off Pump It[™] is a low cost fixed dose instrument designed to deliver vaccines and biologics in fixed dosage volumes. The draw-off feature offers flexible tubing with vented spike.

- · Ideal system for injection and intranasal delivery
- Fixed dose, automatic and rapid system
- · Compartment to hold needles
- · Semi-disposable system with superior ergonomics
- Available in fixed dosage sizes of 1 ml to 2 ml
- · Includes tubing and draw-off spike

Item	Product Description	UOM
73005	Draw-Off Pump It [™] , 1 ml with Luer Lock Trigger	Each
73010	Draw-Off Pump It [™] , 2 ml with Luer Lock Trigger	Each

Spike Pump It[™] for Injection

The Spike Pump It[™] is a fixed dose, low cost, simple vaccinator with a bottle mount to accommodate 10 ml - 120 ml bottles. Available with a luer lock trigger for injections.

- Spike is vented to allow draw-off without creating a vacuum in the bottle
- Bottle held in position by support cup surrounding 2/3 of the retained spiked bottle
- Foam insert or rubber spacer available for support cup to accommodate smaller bottle sizes
- Bottles are spiked directly onto Pump It[™]
- · Ideal system for injection and intranasal delivery
- Fixed dose, automatic and rapid system
- Semi-disposable system with superior ergonomics
- Available in fixed dosage sizes of 1 ml or 2 ml

Item	Product Description	UOM
73064	Spike Pump It [™] 1 ml with 60 cc & Smaller with Luer Lock Trigger	Each
73075	Spike Pump It [™] 2 ml with 60 cc & Smaller with Luer Lock Trigger	Each
73069	Spike Pump It [™] 1 ml with 120 cc Bottle Holder with Luer Lock Trigger	Each
73080	Spike Pump It [™] 2 ml with 120 cc Bottle Holder with Luer Lock Trigger	Each







Oral Pump It™

The Pump It[™] is a refillable, fixed dose automatic syringe system that can be used to deliver liquid products by means of oral administration. This low cost, high value semi-disposable instrument distinguishes itself from other syringes due to its versatility and small, palm-held configura-

The Oral Pump It[™] threads directly onto a plastic, glass or aluminum screw top bottle with neck sizes of 28 mm and 38 mm, offered with 1.45" oral trigger nozzle.

tion with short trigger stroke for ease in dose administration.

- Fixed dose, automatic and rapid delivery system,
 5 ml or 10 ml
- Ideal oral delivery system for oral medicants, nutritionals or supplements may also be used to administer topical medicants
- Semi-disposable system with superior ergonomics
- Commercially available with a 1.45" oral trigger nozzle
- · May be used upright or inverted
- Includes 180 ml bottle with draw up stem
- · Available in 5 ml and 10 ml fixed dosage sizes

Item	Product Description	UOM
73155	Oral Pump It [™] 5 ml with 1.45" Trigger & 38 mm Neck	Each
73168	Oral Pump It [™] 10 ml with 1.45" Trigger & 38 mm Neck	Each
73157	Oral Pump It [™] 5 ml with 1.45" Trigger & 28 mm Neck	Each
73167	Oral Pump It [™] 10 ml with 1.45" Trigger & 28 mm Neck	Each
	Additional sizes available, please contact us for more information	



Bolus Guns



Cow & Calf Livestock Bolus Guns

The Clicker[™] Multi-Bolus Guns

A bolus gun with pistol grip design for multiple bolus capacity and delivery.

- · Sturdy PVC in a pistol grip design
- One inch diameter 19-3/4" or 21-3/4" chamber length
- · Stainless steel shaft
- PVC grippers on end to hold bolus in place
- · Plastic plunger head for administering stomach magnets

Item	Product Description	UOM
64420	The Clicker [™] Multi-Bolus Gun, 19-3/4" with Grippers	Each
64425	The Clicker [™] Multi-Bolus Gun, 19-3/4" without Grippers	Each
64426	The Clicker [™] Multi-Bolus Gun, 21-3/4" without Grippers	Each

V-Grip™ Bolus Guns

Easy dispensing bolus gun, utilizing the efficiency and economy of the V-Grip[™] handle.

- Strong flexible ribs on inside of bolus cup allow for retention of various bolus sizes
- · Economical delivery system
- All plastic construction, lightweight and durable
- Handle returns to open position once bolus is dispensed

Item	Product Description	UOM
64315PR	V-Grip [™] Bolus Dispenser, 30 cm Shaft x 27 mm, Purple Cup with Tabs	Each
64316BL	V-Grip [™] Bolus Gun, 30 cm Shaft x 24 mm, Blue Cup	Each
Numerous size cups available for all bolus sizes and configurations		





Calf & Small Livestock Bolus Guns The Gripper™ Bolus Guns

A small bolus gun delivery system for capsules and small diameter boluses.

- For use with calves and other small livestock
- Collet-like grip prevents bolus from falling out prior to patient delivery
- Short stroke in administering bolus or pills
- For use with boluses from 5 mm 14 mm
- Trigger action provides rapid and consistent delivery and returns to open position once activated

Item	Product Description	UOM
64100	The Gripper [™] Bolus Gun, 16 cm Shaft x 5 mm - 9 mm	Each
64140	The Gripper [™] Bolus Gun, 16 cm Shaft x 9.5 mm - 14 mm	Each

Pour-On Dipper

The Pour-On Dipper is ideal for small farms that are deworming or applying pour-on pesticides. Convenient measuring cup to ensure the appropriate dosage is applied.



Item	Product Description	UOM
66500	Pour-On Dipper	Each

Dr. Larson's™ Pastes & Gels in Cartridges



Dr. Larson's™ Non-Irritating Calcium Gel

- Non-irritating oral calcium supplement for freshening dairy cattle
- Helps maintain normal levels of calcium in transition and close to calving cows
- Gel formulation with Calcium Propionate and Calcium Oxide in an oil based gel
- Ideal in use for transition cows
- Contains 100 grams of calcium per dose



- Proven to raise calcium levels in university studies
- 300 cc cartridge with super short nozzle

Item	Product Description	UOM
34110	Dr. Larson's [™] Non-Irritating Calcium Gel, 300 cc Medi-Cartridge [™]	12/Box

Dr. Larson's™ CMPK Gel

- Unique gel blend of Calcium, Magnesium, Phosphorus and Potassium
- Cost effective nutritional aid in the prevention of milk fever and micro nutrient supplement
- New water-based formulation
- Delivers key minerals for transitional cows when it is required most
- 54 grams Calcium
- 10 grams Phosphorus
- 2.9 grams Magnesium
- 1 gram Potassium
- 300 cc cartridge with super short nozzle

Item	Product Description	UOM
81515	Dr. Larson's [™] CMPK Gel, 300 cc Medi-Cartridge [™]	12/Box

Dr. Larson's™ Keto Gold™

- Suppresses ketosis problems in sick and transition cows
- Ideal supportive aid in use with transition bolus therapy
- Helps to maximize dry matter intake and improves production
- 235 ml Propylene Glycol as energy source
- 15 grams Niacin, 3 grams Choline



- Includes Vitamins A, D and E
- B vitamins added for appetite stimulation and to assist in fat metabolism
- 300 cc cartridge with super short nozzle

Item	Product Description	UOM
34125	Dr. Larson's [™] Keto Gold [™] , 300 cc Medi-Cartridge [™]	12/Box





Dr. Larson's™ Bovine Buffer™

- · Sodium bicarbonate paste designed to give quick relief to cattle with acidosis
- Adjusts rumen pH instability
- · Does not cause bloat
- · Proven effective in university studies
- 300 cc cartridge with super short nozzle

Item	Product Description	UOM
34100	Dr. Larson's [™] Bovine Buffer [™] , 300 cc Medi-Cartridge [™]	12/Box

Medi-Cartridge[™] Applicator Gun

The gun used universally throughout the industry for dispensing 300 cc cartridges.

- Cost effective, accurate and consistent dose delivery
- Rugged materials and superior construction
- Accommodates large cartridges up to 300 cc
- Basal receiver fixed within a metal receiver head
- Delivers product in volumes ranging from 5 ml to 15 ml

Item	Product Description	UOM
04228	Applicator Gun for 300 cc Medi-Cartridge [™]	Each

Drench Hook Extension for Long Nozzle Cartridge

- Designed for 300 cc cartridges with long nozzle
- Cartridge self taps onto drench hook extension
- Sturdy plastic shroud attaches to stainless steel drench hook
- Delivers cartridge contents with less handling of animal's head



Item	Product Description	UOM
05810	Drench Hook Extension for Long Nozzle 300 cc Medi-Cartridge [™]	Each





Dr. Larson's™ Nutritional Drenches



Dr. Larson's™ CMPK Drench

- Use pre and post freshening as a milk fever preventative
- Aids appetite stimulation
- Contains essential minerals and Propylene Glycol
- 200 ml per feeding

Item	Product Description	UOM
83005	Dr. Larson's [™] CMPK Drench, 1 Gallon	Each



Dr. Larson's™ Niacin Drench

- Use on fresh heifers and ketotic cows
- Contains Propylene Glycol for additional energy
- Contains B vitamins to stimulate appetite
- 200 ml per feeding

Item	Product Description	UOM
83010	Dr. Larson's [™] Niacin Drench, 1 Gallon	Each



Note:

For Dr. Larson's™ Up & Over™ Plus and Dr. Larson's™ Keto Gold™ 1000 in pails please see Page 44.











- Available in a large 176 gram bolus containing 44 grams calcium and 50,000 IU Vitamin D. Small 88 gram bolus contains 22 grams calcium and 25,000 IU Vitamin D
- Contain immediate release calcium and sustained release calcium plus Vitamin D
 which is necessary for absorption and metabolism of calcium and phosphorus
- Easier to deliver than gels and paste. The animal receives the entire dose so there is no wasted product
- Smooth coating for easy swallowing
- No withdrawal time required
- Works to prevent milk fever in high risk animals
- Two sizes available:
 - ♦ 88 gram bolus with 22 grams of calcium
 - ♦ 176 gram bolus with 44 grams of calcium
- Ideal for transition cows pre / post calving

Item	Product Description	UOM
85005	Transition™ Calcium Bolus, 88g	12/Box
85006	Transition™ Calcium Bolus, 88g	96/Box
85008	Transition™ Calcium Bolus, 176g	6/Box
85011	Transition™ Calcium Bolus, 176g	48/Box

V-Grip™ Bolus Guns

Easy dispensing bolus gun, utilizing the efficiency and economy of the V-Grip[™] handle.

- Strong flexible ribs on inside of bolus cup allow for retention of various bolus sizes
- Economical delivery system
- All plastic construction, lightweight and durable
- Handle returns to open position once bolus is dispensed

Item	Product Description	UOM
64315PR	V-Grip [™] Bolus Dispenser, 30 cm Shaft x 27 mm, Purple Cup with Tabs	Each
64316BL	V-Grip [™] Bolus Dispenser, 30 cm Shaft x 24 mm, Blue Cup	Each
Numerous size cups available for all bolus sizes and configurations		าร



Dr. Larson's™ Pastes & Gels in Pails



Dr. Larson's™ Up & Over™ Plus

Designed to impact a dairy cow at risk for milk fever, acidosis or ketosis postpartum or when medically challenged. A University of Idaho study shows 8.3 lbs / day milk increase during the first two weeks of lactation after use of Up & Over[™] Plus. The same Up & Over[™] formula plus 10 grams of Niacin per dose.

- 400 grams per dose Calcium Propionate (Buffering activity in reducing effects of acidosis)
- 400 grams per dose Propylene Glycol
- 100 grams per dose Elemental Calcium Rapid absorption in Hypocalcemia post calving
- 10 grams per dose Niacin
- Non-acidogenic will not cause acidosis and acts as a buffer
- Non-caustic will not cause burning of the esophagus
- Buffer elevates blood pH after dosing as postpartum cows which are on anionic salt lead feeding are usually in acidotic condition
- Increases appetite, water intake, feed consumption and milk production
- 14 dose pail
- Med-Eze[™] Stomach Pump delivers full dose in three strokes (335 ml per stroke)

Item	Product Description	UOM
34111	Dr. Larson's [™] Up & Over [™] Plus, 14 Liter Pail	Each

Dr. Larson's™ Keto Gold™ 1000

Aids in minimizing ketosis and maximizing dry matter intake and production. Keto Gold™ contains Propylene Glycol, Niacin and other vitamins essential for healthy metabolism in the postpartum cow.

- Stable suspension in an elegant gel enables easy administration
- Each 330 ml dose of Keto Gold[™] provides approximately 260 ml Propylene Glycol, 17 grams Niacin, 192,000 IU Vitamin A, 82,000 IU Vitamin D3, 110 IU Vitamin E, Ascorbic Acid, Riboflavin, Pantothenic Acid, Pyridoxine, Choline and Folic Acid
- B vitamins added for appetite stimulation and to assist in fat metabolism
- 42 dose pail
- Med-Eze[™] Stomach Pump delivers full dose in one stroke (335 ml per stroke)

Item	Product Description	UOM
34132	Dr. Larson's [™] Keto Gold [™] 1000, 14 Liter Pail	Each







Med-Eze™ Oral Delivery Pump & Cart Pump

Dr. Larson's™ Pastes & Gels Accessories

Med-Eze[™] Oral Delivery Pump

The universal pump for delivery of liquid nutritionals and medicants.

- Includes: pump, lid, 6 ft plastic tube and rigid plastic L-shaped oral probe
- Leakproof delivery pump
- Durable stainless steel construction eliminates corrosion
- Easy and consistent delivery of product
- Reduces arm and shoulder fatigue
- Three stokes deliver one liter
- Designed for oral delivery of drenches, fluids and nutraceuticals



Item	Product Description	UOM
34123	Med-Eze [™] Oral Delivery Pump	Each

Med-Eze[™] Cart Pump

- Mobile and versatile system for high volume delivery of Up & Over[™] Plus and other oral liquids or gels
- 15 gallon capacity
- Increased mobility and product capacity
- Easy and consistent delivery of product
- Durable stainless steel cart with all plastic construction reservoir
- Designed for use with The Whiplash[™] Flexible Stainless Steel Stomach Tube

Item	Product Description	UOM
76010	Med-Eze [™] Cart Pump	Each



Dr. Larson's™ Keto Gold™ Cartridge & Accessories



Dr. Larson's™ Keto Gold™

- Suppresses ketosis problems in sick and transition cows
- Ideal supportive aid in use with transition bolus therapy
- Helps to maximize dry matter intake and improves production
- 235 ml Propylene Glycol as energy source
- 15 grams Niacin, 3 grams Choline
- Includes Vitamins A, D and E
- B vitamins added for appetite stimulation and to assist in fat metabolism
- 300 cc cartridge with super short nozzle

Item	Product Description	UOM
34125	Dr. Larson's [™] Keto Gold [™] , 300 cc Medi-Cartridge [™]	12/Box

Cartridge Delivery Instrument & Accessories

Medi-Cartridge[™] Applicator Gun

The gun used universally throughout the industry for dispensing 300 cc cartridges.

- Cost effective, accurate and consistent dose delivery
- Rugged materials and superior construction
- Accommodates large cartridges up to 300 cc
- Basal receiver fixed within a metal receiver head
- Delivers product in volumes ranging from 5 ml to 15 ml

Item	Product Description	UOM
04228	Applicator Gun for 300 cc Medi-Cartridge [™]	Each

Drench Hook Extension for Long Nozzle Cartridge

- Designed for 300 cc cartridges with long nozzle
- Cartridge self taps onto drench hook extension
- Sturdy plastic shroud attaches to stainless steel drench hook
- Delivers cartridge contents with less handling of animal's head



Item Prod	oduct Description	UOM
05810 Drer	ench Hook Extension for Long Nozzle 300 cc Medi-Cartridge [™]	Each





NEW

Featuring: Quick Tip™ IV Simplex Adapter

- · Quickly transfers a Simplex from bottle to bottle
- · No interruption of fluid delivery
- · Adapts to any serum bottle with a 28 mm to 33 mm neck finish
- Attaches to either rubber or plastic funnel of a Simplex assembly
- · Less stress time for animals
- · Reduces frustration by users
- · Patent pending globally

Works great with the MAI IV Simplex! See Page 19 for more information.





NEW

Wrapid → CUT[™]

Unique and specially designed cutting instrument used to cut and remove bandages on cattle hooves or any wrapped appendage.

Multiple Uses:

- · Removal of matted fur on dogs and cats
- · Efficient use in large animal surgeries
- · Routine package or bag opening
- Any other application requiring safe and effective cutting

See Page 31 for more information.







PO Box 3386 Stn Main, Mission, BC V2V 4J5 p: 1.866.973.7662 | f: 604.852.7800 | e: info@serona.ca