



**2022**  
**Product Catalog**

aspen  
veterinary  
resources





# **Committed to Quality.**

# **Dedicated to Animal Health.**

For almost 30 years, Aspen has provided our valued customers with superior products designed to optimize animal health.

At Aspen, we focus on all aspects of health – from improved feed, nutrition intake, disease prevention, calving, milking, growth, and performance – with every product necessary to help you keep your animals at their very best.

We are committed to continuing to expand our product line using only the highest quality ingredients and cost-effective solutions for you and your operation. That's our promise.

Thank you for trusting Aspen with the health and care of your animals.





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**APPAREL**

## Exam Gloves

4.7 MIL



### LATEX POWDER FREE EXAM GLOVES

- Examination grade
- Ambidextrous
- Non-sterile
- Single use only
- Beaded cuff
- Full textured
- 100 gloves by weight
- **Available colors: Natural**

All Species

Item Code	Size	Case
21262295	Small	10
21262294	Medium	10
21262293	Large	10
21262238	X-Large	10

5 MIL



### NITRILE POWDER FREE EXAM GLOVES

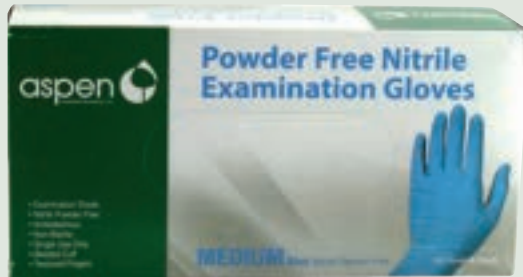
- Examination grade
- Ambidextrous
- Non-sterile
- Single use only
- Beaded cuff
- Full textured
- 100 gloves by weight
- **Available colors: Black**

All Species

Item Code	Size	Case
19156850	Small	10
19156851	Medium	10
19156852	Large	10
19156853	X-Large	10

## Exam Gloves

5 MIL



### NITRILE POWDER FREE EXAM GLOVES

- Examination grade
- Ambidextrous
- Non-sterile
- Single use only
- Beaded cuff
- Full textured
- 100 gloves by weight
- **Available colors: Blue**

All Species

Item Code	Size	Case
21262276	Small	10
21262275	Medium	10
21262274	Large	10
21262277	X-Large	10

3 MIL



### NITRILE POWDER FREE EXAM GLOVES

- Examination grade
- Ambidextrous
- Non-sterile
- Single use only
- Beaded cuff
- Full textured
- 100 gloves by weight
- **Available colors: Blue**

All Species

Item Code	Size	Case
21274980	Small	10
2124981	Medium	10
2124982	Large	10
2124983	X-Large	10

## Gloves

5 MIL



### NITRILE POWDERED GLOVES

- Not for medical use
- Ambidextrous
- Non-sterile
- Single use only
- Beaded cuff
- Textured fingers
- 100 gloves by weight
- Available colors: Blue

All Species

Item Code	Size	Case
21278552	Small	10
21278553	Medium	10
21278554	Large	10
21278555	X-Large	10



### OB SLEEVE GLOVES

- Ambidextrous
- Shoulder length
- Smooth
- Latex free
- Non-sterile
- Single use only
- One size fits most
- 100 gloves
- Available colors: Clear, Brown

Beef, Dairy, Horse, Sheep, Goat, Swine

Item Code	Color	Case
21275740	Clear	10
21275741	Brown	10



## Hand Sizing Chart

# Find Your Size

### DISPOSABLE GLOVE SIZING

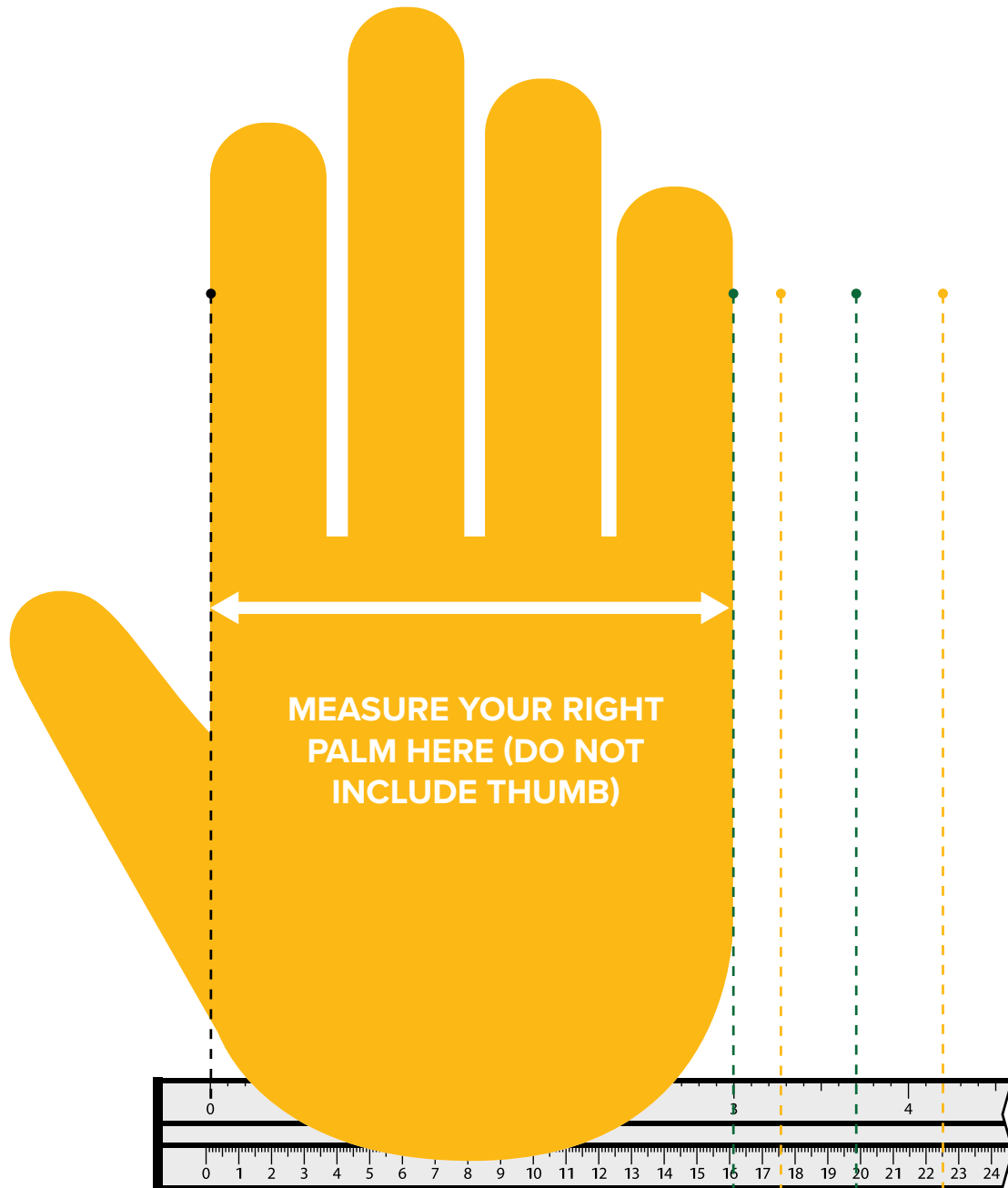
The sizing chart on the next page can assist in determining the glove size that would best fit an individual. Please note with the variations in types of gloves, this is only a guide to help determine sizing.

### DIRECTIONS

Place the widest part of hand on the chart, lining up the curve by the thumb and forefinger at the left edge.







**SMALL**

**MEDIUM**

**LARGE**

**X-LARGE**



# **BANDAGES, DRESSINGS & SPLINTS**

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# BANDAGES, DRESSINGS & SPLINTS

## Cohesive Bandages



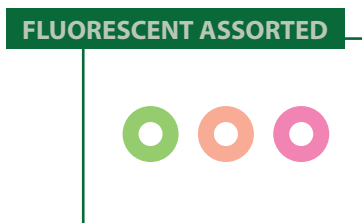
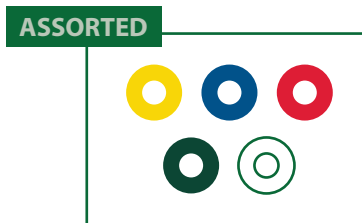
### FLEXWRAP® E-Z TEAR® COHESIVE BANDAGES

Each 4 inch roll contains 5 yards of breathable, self-adhesive elastic bandage that is easy to tear and apply, while only adhering to itself. Ideal for use as a leg wrap, running bandage, tail wrap, or to help hold other dressings in place.

- Easy-find beginning
- Soft feel
- Strong and durable
- Stretched length: 5 yards
- Roll size: 4 inch

#### All Species

Item Code	Color	Pack Size
14100122	Assorted	18s
18765923	Fluorescent Assorted	18s
11169935	White	18s
16639912	White	100s
12585822	Black	18s
12314631	Black	100s
12588965	Blue	18s
21290608	Blue	100s
17357754	Hunter Green	18s
14455876	Lime Green	18s
19665756	Pink	18s
18568564	Purple	18s
14654687	Red	18s





# BANDAGES, DRESSINGS & SPLINTS

## White Goods



### GAUZE SPONGES

Gauze sponges can be used for cleaning and prepping areas, dressing wounds, or wicking.

- 12-ply
- Lightweight
- No raw edges to reduce unraveling
- Not made with natural rubber latex
- Non-sterile

All Species

Item Code	Size	Case
21300727	4 in x 4 in	10



### WOVEN GAUZE SPONGES

Woven gauze sponges can be used for an array of general purpose uses, including dressing and packing wounds.

- 8-ply
- 100% cotton
- Highly absorbent
- Folded design minimizes loose threads and lint
- Not made with natural rubber latex
- Non-sterile

All Species

Item Code	Size	Case
21300728	4 in x 4 in	20

## Wound Dressings



### COTTON ROLL

Cotton rolls are made of 100% bleached cotton, which is ideal for cleaning wounds, applying topical medications, or adding additional padding in bandages. Cotton rolls are lined with paper for easy unrolling.

- Easy to unwind
- Short fibers for simple tearing
- Ultra absorbent
- Non-sterile

All Species

Item Code	Size	Case
21300729	1 lb	2

# Mornings Start with Aspen







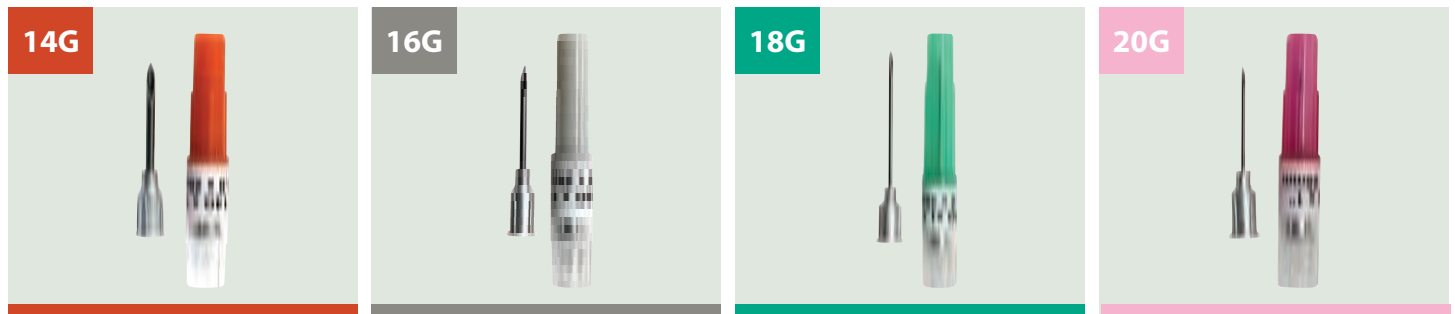
# CATHETERS, SYRINGES, NEEDLES & TUBING

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# CATHETERS, SYRINGES, NEEDLES & TUBING

## Needles



### HYPODERMIC NEEDLES ALUMINUM HUB

These hypodermic needles are specifically designed for injecting large production animals.

- Ultra-sharp
- Stainless steel
- Coated in medical-grade silicone lubricant for smooth insertion
- Aluminum hubs reinforce needle strength required for production animals with dense tissue
- Color-coded for quick gauge-size identification
- Rigid pack sheath ensures sterility

Beef - Dairy - Horse - Swine - Sheep - Goat

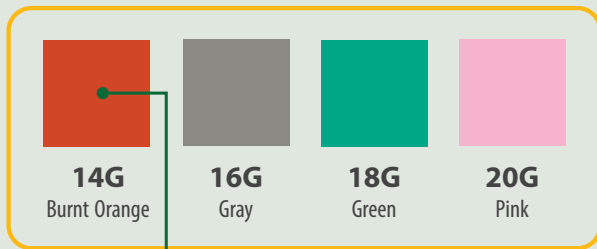
Item Code	Length	Bevel	Gauge	Case
21295162	1 in	Inverted	14G	10
21295163	1 ½ in	Inverted	14G	10
21295164	2 in	Inverted	14G	10
21295165	1 in	A	16G	10
21295166	1 ½ in	A	16G	10
21295167	¾ in	Inverted	16G	10
21295168	⅝ in	B	16G	10
21295169	1 in	A	18G	10
21295170	1 ½ in	A	18G	10
21295171	¾ in	B	18G	10
21295172	⅝ in	B	18G	10
21295173	1 in	A	20G	10
21295174	1 ½ in	A	20G	10

## Needles

# Aspen's Hypodermic Needles: Precision Where You Need It.

### COLOR-CODED GAUGES

We are committed to providing our customers with quality products that help optimize animal health. Aspen considers every detail, like the use of industry standard color coding to identify needle gauge sizes, ensuring that you can focus on what is most important – caring for your animals.



### CLEAR GAUGE VISIBILITY

Color-coded for quick identification

### STERILE & INDIVIDUALLY PACKAGED

Autoclavable polypropylene hard pack with heat stake and cap-to-sheath seal



### SMOOTH INSERTION

Ultra-sharp stainless steel needle coated in medical-grade silicone lubricant



### ALUMINUM HUB

Superior durability

**Aspen saves you money and compares to major brands:**

Allison Medical, Cardinal Health, Excel International, Inc., Neogen







# CLEANERS & DISINFECTANTS

## Disinfectants



### AGRI-CLEAN™

A multi-purpose, heavy-duty cleaner that contains effective wetting, dispersing and emulsifying agents which efficiently assist in the removal of organic matter in hatcheries, farms, dairies, food and meat processing plants, and livestock premises.

#### Premises

**Active Ingredients:** Soft Water, Sodium Metasilicate (pentahydrate), Sodium Hydroxide 50% (Caustic Soda 50%), EDTA, Isopropyl Alcohol 99%, Glycol Ether DPM, Alcohols C12-15 Ethoxylated, T-Mulz 598 (blended anionic surfactant), Pylam Forest Green S-547

Item Code	Size	Case
21127218	1 G	4
21127221	5 G	1
21127459	55 G	1



### CHLORADINE® SCRUB 2%

A mild scrub containing chlorhexidine gluconate 2% that exhibits bactericidal activity against a wide range of microorganisms.

#### Beef - Dairy - Horse - Dog - Cat

**Active Ingredients:** Chlorhexidine Gluconate 2%

**Inactive Ingredients:** Purified Water, Lauramine Oxide, Ethoxylated Alcohol, PEG-6 Cocamide, PEG-60 Hydrogenated Castor Oil, Hydroxyethylcellulose, Citric Acid, Fragrance and Artificial Colors

Item Code	Size	Case
19976005	1 G	4

## Disinfectants



### CHLORADINE® SCRUB 4%

A mild scrub containing chlorhexidine gluconate 4% that exhibits bactericidal activity against a wide range of microorganisms.

**Beef - Dairy - Horse - Dog - Cat**

**Active Ingredients: Chlorhexidine Gluconate 4%**

Inactive Ingredients: Purified Water, Lauramine Oxide, Ethoxylated Alcohol, PEG-6 Cocamide, PEG-60 Hydrogenated Castor Oil, Hydroxyethylcellulose, Citric Acid, Isopropyl Alcohol, Fragrance and Artificial Color

Item Code	Size	Case
10966005	1 G	4



### CHLORHEXIDINE SOLUTION

A fast-acting, broad spectrum, antimicrobial skin cleanser for application to superficial cuts, abrasions or insect stings.

**Horse - Dog**

**Active Ingredients: Chlorhexidine Gluconate 2%**

Inactive Ingredients: Water, Ethoxylated Alcohol, FD&C Blue #1, Fragrance, Citric Acid

Item Code	Size	Case
11584915	1 G	4





OSPEEN

VETERINARY RESOURCES LTD.



## Disinfectants



### FOOT PATROL™ POWDER

A double-action, high-performance product for use on floors and in areas where biosecurity measures are required. For use in livestock production facilities, swine, poultry, commercial egg laying, turkey, chicken, cattle, and dairy facilities.

#### Premises

**Active Ingredients: Sodium Percarbonate 77.5%**

Inactive Ingredients: Sodium Carbonate

Item Code	Size	Case
21270371	8 lb	1
21261953	100 lb	1



### GENTLE IODINE 1%

An effective topical antiseptic for use prior to surgical procedures such as castrating and docking; for ringworm and foot rot; for application to the navel of newborn animals; and for minor cuts, teat sores, bruises and abrasions.

#### Beef - Dairy - Horse - Swine

**Active Ingredients: Titratable Iodine 1%**

Inactive Ingredients: Nonionic Surfactant and Water

Item Code	Size	Case
12943265	16 oz	1
19930020	1 G	4
19123454	1 G (4/CASE)	4

Note: Depending on location, Gentle Iodine 1% may be purchased by the unit or by the case.

## Disinfectants



### HYDROGEN PEROXIDE 3%

For use as a topical antiseptic and cleansing agent for minor cuts, abrasions and wounds in cattle, horses, sheep, swine, dogs and cats. In addition to its germicidal activity, the effervescence of hydrogen peroxide is beneficial to mechanically remove pus and debris from wounds.

**Beef - Dairy - Horse - Sheep - Swine - Dog - Cat**

**Active Ingredients: Hydrogen 3%**

Item Code	Size	Case
17214830	1 G	4



### ISOPROPYL ALCOHOL

A multi-purpose solution that can be used as a topical antiseptic or to relieve minor muscle aches due to overexertion or fatigue.

**All Species**

**Active Ingredients: Isopropyl**

Inactive Ingredients: Water

Item Code	Strength	Size	Case
21273311	70%	32 oz	4
11795782	70%	1 G	4
21263874	70%	1 G (4/CASE)	4
21273312	99%	32 oz	4
11724721	99%	1 G	4
21263875	99%	1 G (4/CASE)	4



## Disinfectants



### POVIDINE IODINE SCRUB

A germicidal cleanser for preoperative and postoperative skin washing, and shampoo for bacterial and fungal skin infections in animals. Used routinely, it also helps prevent infection in cuts, scratches, abrasions, and burns. Non-staining to skin, hair, and natural fabrics.

#### All Species

**Active Ingredients:** Povidone Iodine (0.75% Titratable Iodine)

Inactive Ingredients: Purified Water, Ammonium Nonoxynol-(n) Sulfate, Disodium Phosphate, Hydroxyethyl Cellulose, Citric Acid, Glycerin

Item Code	Size	Case
21260221	1 G	4



### POVIDONE IODINE 10% SOLUTION

A topical antiseptic water-based iodine solution. Kills gram-negative and gram-positive bacteria, fungi, viruses, protozoa, and yeasts. Film-forming, virtually non-irritating and non-staining to skin, hair, and natural fabrics.

#### All Species

**Active Ingredients:** Povidone Iodine (Titratable 1.0%)

Inactive Ingredients: Purified Water, Sodium Phosphate Dibasic, Glycerin, Ethoxylated Alcohol, Citric Acid

Item Code	Size	Case
21260209	1 G	4

## Disinfectants



### TOPICAL FUNGICIDE + SPRAYER

A topical fungicidal spray to aid in the control of summer itch, ringworm, girth itch, and other fungal problems.

**Beef - Horse - Sheep - Goat - Dog - Cat**

**Active Ingredients: Benzalkonium Chloride 0.15%**

Inactive Ingredients: Allantoin

Item Code	Size	Case
15689634	32 oz	12



### TRIODINE-7®

A triple source iodine tincture used for topical applications on the skin to disinfect superficial wounds, cuts, abrasions, insect bites, and minor bruises.

**Beef - Dairy - Horse - Sheep - Swine - Dog**

**Active Ingredients: 7% active ingredients provided by Iodine, Potassium Iodide and Povidone Iodine. Provides Titratable Iodine 2.4%\***

Item Code	Size	Case
11117731**	16 oz	12
14129311	32 oz	4
16513456	1 G	4
21269218	1 G (4/CASE)	4

\*Complies with DEA Iodine Regulation 21 C.F.R. §1310.12. No DEA registration required.

\*\* with sprayer

Note: Triodine-7 one gallon may be purchased by the unit or by the case.



**CRITICAL CARE**



## Wound Care



### ALU-MEND™

A water-resistant aerosol bandage that aids in protecting against external irritant agents in wounds. Recommended for use in large and small animals as a topical wound barrier.

**All Species**

**Active Ingredients: Aluminum Powder 40 mg**

Item Code	Size	Case
21278832	120 g	12



### BLOOD STOP POWDER

For use as an aid in controlling minor bleeding of superficial cuts and wounds or after dehorning.

**All Species**

**Active Ingredients: Ferrous Sulfate 84% · 7H<sub>2</sub>O**

Inactive Ingredients: Ammonium Alum 5%, Chloroxylenol 1%, Tannic Acid 1%. In a free-flowing absorbent base.

Item Code	Size	Case
21263332	16 oz	12

## Wound Care



### SCARLET OIL

For use as a dressing for simple wounds, cuts, and abrasions. Apply freely as an open wound treatment or wrap with a clean bandage.

**Horse, Donkey**

**Active Ingredients: Parachlorometaxlenol 0.3%**

Inactive Ingredients: Mineral Oil, Isopropyl Alcohol, Methyl Salicylate, Benzyl Alcohol, Pine Oil, Eucalyptus Oil, and Biebrich Scarlet Red

Item Code	Size	Case
21292922*	16 oz	12
21292920	1 G	1
21292889	1 G	4

\* with sprayer



### SCREW WORM AEROSOL

A wound spray that provides rapid control of house flies, mosquitoes, gnats, wasps, hornets, bees, ticks, and small flying moths.

**Beef - Dairy - Horse - Sheep - Goat - Swine - Premises**

**Active Ingredients: Permethrin 0.5%\***

**\*(3-phenoxyphenyl) methyl (+/-) cis/trans**

**3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate (Cis/Trans ratio: Min. 35% (+/-) cis and max 65% (+/-) trans.)**


Other Ingredients: 99.5% contains Petroleum Distillates

Available for purchase in the following states: AK, AZ, CA, CO, IA, ID, IL, IN, KS, KY, LA, MI, MN, MO, MS, MT, NC, ND, NE, NM, NV, NY, OH, OK, OR, PA, SC, SD, TN, TX, UT, VA, WA, WI, WY

Item Code	Size	Case
18260075	12 oz	12

# USA PROUD

We are dedicated to supporting local communities  
– just like yours.

Find us on  

aspen 





# ELECTROLYTES & HYDRATION

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## Electrolytes



### AMCALCILYTE FORTE ORAL SOLUTION

Used as a supplemental source of electrolytes, dextrose, and amino acids.

Beef - Dairy

#### GUARANTEED ANALYSIS (MINIMUM):

Each 1000 mL of aqueous solution contains:

Dextrose · H <sub>2</sub> O	275.0 g	Sodium Chloride	2.0 g
Calcium Hypophosphite	36.5 g	Potassium Phosphate, monobasic	0.5 g
Potassium Chloride	15.0 g		

Item Code	Size	Case
12097211	1000 mL	12



### AMINO ACID CONCENTRATE ORAL SOLUTION

For use as a supplemental nutritive source of concentrated amino acids, electrolytes, B-complex vitamins, and dextrose.

Beef - Horse

#### GUARANTEED ANALYSIS (MINIMUM):

Each 100 mL of aqueous solution contains:

Dextrose · H <sub>2</sub> O	5 g	Potassium Chloride	200 mg
Sodium Acetate · 3H <sub>2</sub> O	250 mg	Calcium Chloride · 2H <sub>2</sub> O	150 mg
Magnesium Sulfate · 7H <sub>2</sub> O	200 mg		

Item Code	Size	Case
18711476	500 mL	12

## Electrolytes



### AMINO ACID ORAL SOLUTION

A nutritional supplement containing B-complex vitamins, essential amino acids, dextrose, and electrolytes.

Beef - Horse - Sheep - Swine

#### GUARANTEED ANALYSIS (MINIMUM):

Each 100 mL of aqueous solution contains:

Dextrose · H <sub>2</sub> O	5 g	Potassium Chloride	20 mg
Sodium Acetate · 3H <sub>2</sub> O	250 mg	Calcium Chloride · 2H <sub>2</sub> O	15 mg
Magnesium Sulfate · 7H <sub>2</sub> O	20 mg		

Item Code	Size	Case
13122072	500 mL	12
14519423	1000 mL	12



### COMEBACK® NUTRITIONAL SUPPLEMENT

A proprietary blend of acidifying agents, electrolytes, and multiple energy sources that are designed to minimize dehydration.

Beef Calves - Dairy Calves - Foals - Sheep

Active Ingredients: Dextrose, Salt, Potassium Chloride, Glycine, Citric Acid, Silicon Dioxide, and Artificial Flavor

#### GUARANTEED ANALYSIS:

Salt, minimum	8.0%
Salt, maximum	9.5%
Sodium, minimum	3.00%
Sodium, maximum	3.7%
Potassium, minimum	1.10%

Item Code	Size	Quantity	Case
21252633	5.70 oz	50s	1



## Electrolytes



### GLUCAMINOLYTE FORTE ORAL SOLUTION

For use as a supplemental nutritive source that restores electrolytes and energy due to its high levels of dextrose, amino acids, and minerals.

Beef - Dairy

#### GUARANTEED ANALYSIS (MINIMUM):

Each 1000 mL of aqueous solution contains:

Dextrose · H <sub>2</sub> O	300.0 g
Sodium Chloride	5.4 g
Sodium Acetate, Anhydrous	3.0 g
Potassium Acetate	1.0 g
Calcium Chloride · 2H <sub>2</sub> O	330.0 mg
Magnesium Chloride · 6H <sub>2</sub> O	260.0 mg

Item Code	Size	Case
14786684	1000 mL	12

# Get a Good Start with Aspen





# **FLUID & DRUG ADMINISTRATION**

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## IV Fluids



### CAL DEX CMPK INJECTION Rx

For use in cattle as an aid in the treatment of conditions associated with calcium, magnesium, phosphorus, potassium, or glucose deficiencies.

#### Beef - Beef Calves

GUARANTEED ANALYSIS:	
Dextrose • H <sub>2</sub> O	75.0 g
Calcium (as calcium borogluconate)	10.8 g
Potassium (as potassium chloride)	8.0 g
Phosphorus (as sodium hypophosphite • H <sub>2</sub> O)	2.5 g
Magnesium (as magnesium borogluconate)	1.6 mg

Item Code	Size	Case
15261145	500 mL	12



### CALCIUM GLUCONATE 23% SOLUTION

To be used as an aid in the treatment of mild fever (parturient paresis) by supplying needed calcium. Bottle can be hung on chutes or stanchions for easy hands-free delivery of the solution.

#### Beef - Beef Calves

EACH 500 ML CONTAINS ACTIVE INGREDIENTS:	
Calcium Gluconate	23% w/v
(provides 10.71 g of Calcium* per 500 mL)	
* Present as salts or boryl esters of gluconic acid	

Item Code	Size	Case
16691651	500 mL	12



## IV Fluids



### DEXTROSE SOLUTION

A ready-to-use solution indicated for use as an aid in the treatment and rapid recovery of uncomplicated primary ketosis.

**Beef**

**Active Ingredients: Dextrose H<sub>2</sub>O 50%**

Item Code	Size	Case
15784324	500 mL	12



### HYPER SALINE SOLUTION 7.2% Rx

For use in replacement therapy of sodium, chloride, and water, which may become depleted in many diseases. Can be administered intramuscularly (IM) or subcutaneously (SQ).

**Beef - Dairy - Horse - Sheep - Goat - Swine**

#### EACH 100 ML OF AQUEOUS SOLUTION CONTAINS ACTIVE INGREDIENTS:

Sodium Chloride	7.2 g
<b>Milliequivalents per liter</b>	
<b>Cations</b>	
Sodium	1232 mEq/L
<b>Anions</b>	
Chloride	1232 mEq/L
Total osmolarity is 2464 milliosmoles per liter	

Item Code	Size	Case
12005641	1000 mL	12

## IV Fluids



### LACTATED RINGER'S SOLUTION Rx

Used for the correction of electrolyte depletion, metabolic acidosis, and dehydration.

**Beef - Beef Calves - Horse - Sheep - Swine**

EACH 100 ML CONTAINS ACTIVE INGREDIENTS:	
Sodium Chloride	600 mg
Sodium Lactate	310 mg
Potassium Chloride	30 mg
Calcium Chloride Dihydrate	20 mg
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)	

Item Code	Size	Case
11843969	1000 mL	12



### MILK FEVER CP™ Rx

For intravenous use in milk fever, and in calcium, phosphorus, magnesium, and glucose deficiency in animals.

**Beef - Dairy - Horse - Sheep**

ACTIVE INGREDIENTS:	
Calcium Borogluconate, Dextrose, Magnesium Borogluconate, Calcium Hypophosphite and base	
Total Calcium chemically equivalent to Calcium Borogluconate	26.0% w/v
Dextrose • H <sub>2</sub> O	15% w/v
Magnesium Borogluconate	6.0% w/v
Total Phosphorus in amounts chemically equivalent to elemental Phosphorus	0.5% w/v

Item Code	Size	Case
16523574	500 mL	12

## IV Fluids



### SODIUM IODIDE 20% INJECTION Rx

Use as an aid in the treatment of actinomycosis (lumpy jaw), actinobacillosis (wooden tongue), and necrotic stomatitis.

**Beef - Beef Calves - Dairy - Dairy Calves**

#### EACH 100 ML OF AQUEOUS SOLUTION CONTAINS ACTIVE INGREDIENTS:

Sodium Iodide	20 g
---------------	------

Item Code	Size	Case
19188125	250 mL	12



### STERILE SALINE SOLUTION Rx

For use in replacement therapy of sodium, chloride, and water, which may become depleted in many diseases. Because this solution is isotonic with body fluids, it may also be used as a solvent or diluent for antibiotics and other pharmaceuticals and biologicals where compatible, and for washing mucous membranes and other tissue surfaces.

**Beef - Dairy - Horse - Sheep - Goat - Swine**

#### EACH 100 ML OF AQUEOUS SOLUTION CONTAINS ACTIVE INGREDIENTS:

Sodium Chloride	0.9 g
<b>Milliequivalents per liter</b>	
<b>Cations</b>	
Sodium	154 mEq/L
<b>Anions</b>	
Chloride	154 mEq/L
Total osmolarity is 308 milliosmoles per liter	

Item Code	Size	Case
14208186	250 mL	12
18618782	500 mL	12
19446577	1000 mL	12



## IV Fluids



### STERILE WATER <sup>Rx</sup> FOR INJECTION, USP

Sterile water for injection is made through reverse osmosis and is suitable for use as a diluent for the preparation of pharmaceutical solutions when made isotonic by the addition of suitable solutes. This product contains no preservatives; solutions made from this water should be used promptly or sterilized with adequate precautions for maintaining sterility.

All Species

Active Ingredients: Water for Injection, USP 100%

Item Code	Size	Case
15114151	250 mL	12
13022141	500 mL	12
13255140	1000 mL	12



### VETALYTE<sup>®</sup> PLUS <sup>Rx</sup> IV SOLUTION FOR INJECTION

For use in all intravenous applications in cases of electrolyte loss including dehydration, shock, vomiting, and diarrhea.

Beef - Beef Calves - Horse - Foals - Sheep - Swine

EACH 500 ML OF AQUEOUS SOLUTION CONTAINS ACTIVE INGREDIENTS:	
Dextrose • H <sub>2</sub> O	12.5 g
Sorbitol	12.5 g
Sodium Lactate	3.95 g
Sodium Chloride	2.40 g
Potassium Chloride	0.37 g
Magnesium Chloride • 6H <sub>2</sub> O	0.21 g
Calcium Chloride • 2H <sub>2</sub> O	0.19 g

Item Code	Size	Case
21258039	500 mL	12
21252820	1000 mL	12



# LABORATORY EQUIPMENT

## Test Strips

# Stop Guessing When You're Testing.

### KETONE TEST STRIPS

Ketone Test Strips provide a quick, accurate way to test for ketosis in animals. When exposed to ketones in urine, the test pad reacts and changes color. The test strip may then be compared to the color chart on the bottle to identify ketone levels.

All Species

Item Code	Size	Case
21306331	100s	200





**Wherever your  
work takes you,  
we've got  
you covered.**



Aspen offers an extensive line of gloves to fit your needs.

Available in nitrile or latex, powdered and powder-free options in assorted colors and sizes



**Order today!**









# **NUTRITION & NUTRACEUTICALS**

---



## Calcium



### CAL "62" PLUS GEL

An oral nutritional supplement gel that supplies the calcium, magnesium, and cobalt necessary to help maintain nutritional levels before, during, and after calving.

#### Dairy

GUARANTEED ANALYSIS:		
Calcium, minimum	14.3%	60.0 g
Calcium, maximum	14.8%	62.0 g
Magnesium, minimum	0.3%	1.25 g
Cobalt, minimum	0.14%	0.6 g
Moisture, maximum	0.53%	

Item Code	Size	Case
19865345	300 mL	12



### CAL OX 64 PLUS SE GEL

An oral nutritional supplement gel containing calcium, magnesium, cobalt, and selenium for dairy cattle during calving. A cost-effective way to help reduce incidences of milk fever and associated losses.

#### Dairy

GUARANTEED ANALYSIS:				
Calcium, minimum	16.7%	64.0 g	Pantothenic Acid	10 mg
Calcium, maximum	17.2%	67.0 g	Pyridoxine	10 mg
Magnesium	1.6%	6.2 g	Vitamin E	5 IU
Cobalt	0.2%	0.7 g	Riboflavin	5 mg
Selenium		2.6 mg	Vitamin B <sub>12</sub>	100 mcg
Thiamine		100 mg	Vitamin D <sub>3</sub>	1000 IU
Niacin		100 mg		

Item Code	Size	Case
12251673	300 mL	12

## Calcium



### CALCIUM DRENCH WITH VITAMINS

Use before and after freshening in cows to maintain normal calcium balance.

Dairy

GUARANTEED ANALYSIS:		
Calcium, minimum	12.7%	31.3 g
Calcium, maximum	15.2%	37.5 g
Vitamin A, minimum		17 IU/lb
Vitamin D <sub>3</sub> , minimum		6,000 IU/lb
Vitamin E, minimum		4.3 IU/lb
Vitamin B <sub>12</sub> , minimum		0.02 mg/lb

Item Code	Size	Case
12376200	1 G	4

## Gastrointestinal



### BISMUSAL® SUSPENSION

A palatable oral suspension for use as an aid in controlling simple diarrhea.

Beef - Beef Calves - Horse - Foals - Dog

Active Ingredients: Bismuth Subsalicylate (0.52 g/oz)

Inactive Ingredients: Guar Gum, Dextrose Monohydrate, Disodium Edetate, Methyl Paraben, Methyl Salicylate, Propyl Paraben, Sodium Carbonate, Sorbitol 70%, FD&C Red #40

Item Code	Size	Case
21258847	1 G	4



### BISMUSOL SUSPENSION

A palatable oral suspension for use as an aid in controlling simple diarrhea.

Beef - Beef Calves - Horse - Foals - Dog - Cat

Active Ingredients: Bismuth Subsalicylate (1.75% w/w)

Inactive Ingredients: Water, Xanthan Gum, Magnesium Salicylate, Methyl Salicylate, Sodium Saccharin, Hydrochloric Acid, Methylparaben, Propylparaben, FD&C Red #40

Item Code	Size	Case
13948574	1 G	4

## Gastrointestinal



### BLOAT TREATMENT

A surfactant preparation that provides a release of the entrapped gas in the froth. Used for treatment of frothy bloat in ruminants and as a fecal softener.

Beef - Beef Calves - Dairy - Dairy Calves - Sheep - Goats

#### EACH FLUID OUNCE CONTAINS ACTIVE INGREDIENTS:

Docusate Sodium	240 mg
In an emulsified soybean oil base	

Item Code	Size	Case
12972171	12 fl oz	12



### BP-1<sup>®</sup> ENCAPSULATOR

A nutritional, microbial supplement for cattle with sluggish appetite or recovering from shipping, calving, during heat stress, major feed changes; in conjunction with veterinary therapy, off feed cattle, or any time listed nutrients or microbial is desired.

Beef

#### GUARANTEED ANALYSIS:

	PER CAPSULE	PER POUND
Copper, minimum	23 mg	1915 ppm
Selenium, minimum	3 mg	250 ppm
Zinc, minimum	110 mg	9150 ppm
Iron, minimum	46 mg	3800 ppm
Manganese, minimum	46 mg	3800 ppm
Cobalt, maximum	5 mg	415 ppm
Vitamin A, minimum	460,000 IU	17,400,000 IU/lb
Vitamin D <sub>3</sub> , minimum	78,000 IU	2,950,000 IU/lb
Vitamin E, maximum	1,500 IU	56,750 IU/lb
Vitamin B <sub>12</sub> , minimum	1,800 mcg	68,100 mg/lb
Pantothenic Acid, minimum	34 mg	1,285 mg/lb
Niacin, minimum	4500 mg	170,250 mg/lb

Total Live Microbial Count 22.5 billion CFU\*

*Lactobacillus acidophilus, Bacillus subtilis, Bacillus licheniformis, Saccharomyces cerevisiae, Enterococcus faecium, Lactobacillus lactis, Lactobacillus plantarum, Lactobacillus casei*

\* Colony Forming Units

Alpha-Amylase (Aspergillus oryzae) .....	2205 µg starch hydrolyzed/minute/gm
Protease (Aspergillus oryzae) .....	294 µg amino acids hydrolyzed/minute/gm
Cellulase (Aspergillus niger) .....	117 µg breakdown cellulose/minute/gm
Lipase (Aspergillus oryzae) .....	88 µg triglycerides hydrolyzed/minute/gm
Pectinase (Aspergillus niger) .....	58 µg pectin hydrolyzed/minute/gm

Item Code	Size	Case
21266745	50s	12



## Gastrointestinal

# Get Back on Track with Aspen Probiotics

When animals experience digestive disorders or often during times of stress, you can trust Aspen's line of probiotics to relieve stomach issues such as diarrhea, constipation, and decreased appetite.

### A few examples of stress that animals may experience:

- change in environment
- birthing (freshening)
- traveling
- shipping/receiving
- vaccination
- deworming
- change in feed or diet
- antibiotic therapy

### Aspen's probiotics also contribute to the intestinal balance, performance, and overall animal health by helping to maintain:

- natural immunity
- pH in the gut
- nutrient absorption
- gut microfloral balance

**Our comprehensive line of probiotics includes these products. Find out which one is best for your operation.**



## Gastrointestinal

### PROBIOTIC



### ALL-IN-ONE CATTLE BOLUS

A nutritional bolus for when times of recovery are critical and intestinal disturbances diminish intake or production during temperature fluctuations. Contains vitamins A, D<sub>3</sub>, E, niacin, calcium pantothenate, riboflavin, choline chloride, and *Lactobacillus acidophilus* in a convenient dosing for those who prefer a bolus over paste.

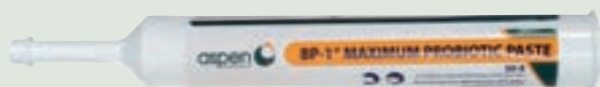
Beef - Dairy

#### GUARANTEED ANALYSIS (MIN) PER 21 G:

Vitamin A	600,000 U.S.P. units
Vitamin D <sub>3</sub>	60,000 U.S.P. units
Vitamin E	750 I.U.
Niacin	3,000 mg
Calcium Pantothenate	120 mg
Riboflavin	150 mg
Choline Chloride	150 mg
Total Microorganism Guarantee ( <i>Lactobacillus acidophilus</i> , <i>Bacillus subtilis</i> )	3 X 10 <sup>9</sup> CFU

Item Code	Size	Case
15994877	50s	4

### PROBIOTIC



### BP-1<sup>®</sup> MAXIMUM PROBIOTIC PASTE

A bovine probiotic paste containing bacteria specifically selected for their ability to be compatible in a wide range of gut conditions.

Provides optimal colonization inside the rumen to ensure minimal gut disturbances so that appetite and feed intake can be enhanced. Contains 2.2 billion colony forming units per gram.

Beef - Beef Calves - Dairy - Dairy Calves

#### GUARANTEED ANALYSIS (MINIMUM):

Total lactic acid bacteria 2.2 billion colony forming units per gram
<i>Lactobacillus acidophilus</i> , <i>Bifidobacterium bifidum</i> , <i>Bifidobacterium longum</i> , <i>Lactobacillus casei</i> , <i>Lactobacillus plantarum</i> , <i>Enterococcus faecium</i>

Item Code	Size	Case
21266747	300 g	12

## Gastrointestinal

### PROBIOTIC



### BP-1® PROBIOTIC & DIETARY PASTE

A probiotic and dietary supplement that contains bovine host specific lactic acid producing bacteria to provide an oral source of bacteria. These bacteria were chosen for the ability to be compatible in a wide range of gut conditions.

**Beef - Beef Calves - Dairy - Dairy Calves**

#### GUARANTEED ANALYSIS (MINIMUM):

Total lactic acid bacteria 20 billion colony forming units per pound, equivalent to approximately 44 million colony forming units per gram

<i>Lactobacillus acidophilus</i>	11 Million CFU*/g
<i>Bifidobacterium bifidum</i>	11 Million CFU*/g
<i>Bifidobacterium longum</i>	11 Million CFU*/g
<i>Enterococcus faecium</i>	11 Million CFU*/g

\*CFU = Colony Forming Units

Item Code	Size	Case
21265467	300 g	12

### PROBIOTIC



### GOOD START® CALF PASTE

Contains bovine host specific lactic acid producing bacteria and high levels of vitamins A and E. Excellent for calves that have stopped drinking or started scouring. Especially effective on newborn or weak calves that are needing an extra boost.

**Beef Calves - Dairy Calves**

#### GUARANTEED ANALYSIS (MINIMUM):

Total Live Microbial Count	2 X 10 <sup>7</sup> CFU*/g
<i>Lactobacillus acidophilus</i>	4 X 10 <sup>6</sup> CFU*/g
<i>Bifidobacterium bifidum</i>	4 X 10 <sup>6</sup> CFU*/g
<i>Bifidobacterium longum</i>	4 X 10 <sup>6</sup> CFU*/g
<i>Enterococcus faecium</i>	4 X 10 <sup>6</sup> CFU*/g
<i>Bacillus subtilis</i>	4 X 10 <sup>6</sup> CFU*/g

\*Colony Forming Units per gram

Alpha-Amylase (*Aspergillus oryzae*, *Bacillus subtilis*) 100 units/g

Vitamin A	1333 IU/g
Vitamin E	66 IU/g

Item Code	Size	Case
13212257	15 g	12



## Gastrointestinal

### PROBIOTIC



Item Code	Size	Case
21266746	80 mg	12
18371421	300 mg	12

### MINERAL MAX® ULTRA PASTE

For use as a supplemental source of seven essential minerals, four essential vitamins, and 2.2 billion CFU for use in periods of stress (such as calving, weaning, shipping, castration), during which feed intakes may be decreased and during which supplemental nutrients may be of benefit.

Beef - Beef Calves - Dairy - Dairy Calves - Horse - Foal

GUARANTEED ANALYSIS:	
Magnesium, not less than	0.95%
Potassium, not less than	0.95%
Copper, not less than	6,100 ppm
Zinc, not less than	6,100 ppm
Manganese, not less than	2,500 ppm
Cobalt, not less than	400 ppm
Selenium, not less than	60 ppm
Vitamin A, not less than	4,400,000 IU/kg
Vitamin D <sub>3</sub> , not less than	220,000 IU/kg
Vitamin E, not less than	33,000 IU/kg
Vitamin B <sub>12</sub> , not less than	85,000 mcg/kg
Total Lactic Acid Bacteria, not less than	2.2 billion CFU*/g
<i>(Lactobacillus acidophilus, Bifidobacterium longum, Bifidobacterium bifidum, Enterococcus faecium, Lactobacillus casei, Lactobacillus plantarum)</i>	
<i>Saccharomyces cerevisiae</i> , not less than 10 million CFU*/g	
*Colony Forming Units	

### PROBIOTIC



### SURE-START® PLUS PASTE

A nutritional supplement containing a source of live, naturally occurring microorganisms and fortified with vitamins, minerals, and dried milk protein. A beneficial probiotic to use when intestinal disturbances diminish intake and production during times of temperature fluctuations.

Beef - Beef Calves - Dairy - Dairy Calves

GUARANTEED ANALYSIS (MINIMUM):	
Vitamin A	6,000,000 IU/lb
Vitamin D <sub>3</sub>	750,000 IU/lb
Niacin	30,000 mg/lb
Zinc	2,000 mg/lb
Total dried viable cultures of <i>Enterococcus faecium</i> , <i>Lactobacillus acidophilus</i> , and <i>Bifidobacterium bifidum</i> and <i>Bifidobacterium longum</i> – 250 billion CFU*/lb	
* Colony Forming Units	

Item Code	Size	Case
11032122	300 g	12

## Gastrointestinal

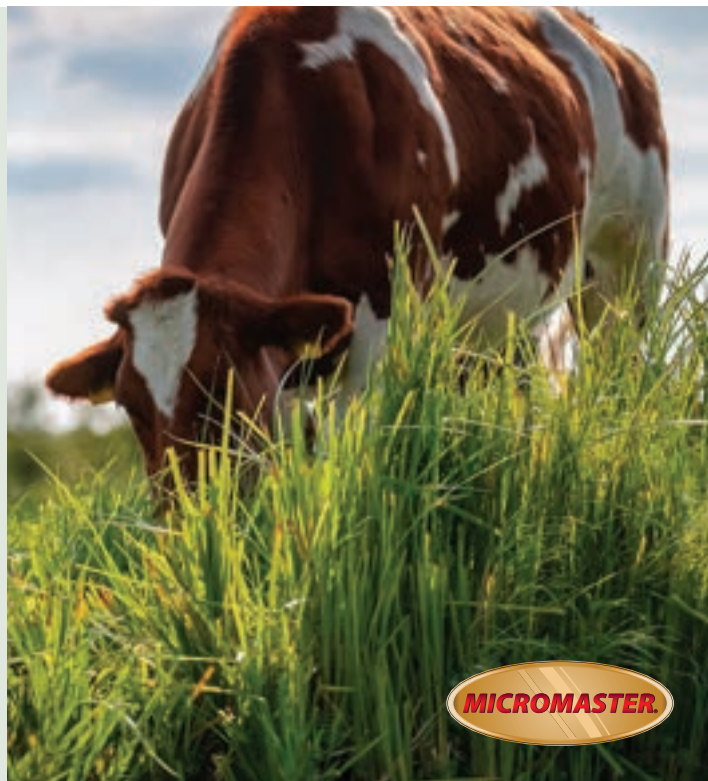
# Trust Your Gut When It Comes to Nutrition

### MICROMASTER®

Aspen's Micromaster product line is vital to gastrointestinal nutrition support in all production animals.

Micromaster is an oral dose source of selected host specific lactic acid producing bacteria for gastrointestinal supplementation for all bovine species.

The product aids in maintaining appetite, digestion and microbial balance. It is a necessary product in times of stress, including calving, climate changes, weaning, receiving and shipping.



### PROBIOTIC



### MICROMASTER® MAXI BOVINE PASTE

Contains 400 million CFU/g

Beef - Beef Calves - Dairy - Dairy Calves

#### GUARANTEED ANALYSIS (MINIMUM):

Total Live Microbial Count*	400 million CFU**/g
<i>Saccharomyces cerevisiae</i>	7.35 million cells/g

\* *Lactobacillus acidophilus*, *Bifidobacterium longum*, *Bifidobacterium bifidum*, and *Enterococcus faecium*

\*\* Colony Forming Units

Item Code	Size	Case
21263355	300 g	6

## Gastrointestinal

### PROBIOTIC



### MICROMASTER® MAXI BOVINE PASTE + VITAMIN E

Contains 400 million CFU/g and 50 IU/g of vitamin E

Beef - Beef Calves - Dairy - Dairy Calves

#### GUARANTEED ANALYSIS (MINIMUM):

Vitamin E	50 IU/g
Total Live Microbial Count*	400 million CFU**/g
<i>Saccharomyces cerevisiae</i>	7.35 million cells/g
* <i>Lactobacillus acidophilus</i> , <i>Bifidobacterium longum</i> , <i>Bifidobacterium bifidum</i> , and <i>Enterococcus faecium</i>	
** Colony Forming Units	

Item Code	Size	Case
21263331	300 g	6

### PROBIOTIC



### MICROMASTER® MULTI-SPECIES PROBIOTIC PASTE + VITAMIN E

Contains 400 million CFU/g and 50 IU/g of vitamin E

Beef - Beef Calves - Dairy - Dairy Calves - Horse - Sheep - Goat - Swine

#### GUARANTEED ANALYSIS (MINIMUM):

Vitamin E	50 IU/g
Total Live Microbial Count*	400 million CFU**/g
<i>Saccharomyces cerevisiae</i>	7.35 million cells/g
* <i>Lactobacillus acidophilus</i> , <i>Bifidobacterium longum</i> , <i>Bifidobacterium bifidum</i> , and <i>Enterococcus faecium</i>	
** Colony forming units	

Item Code	Size	Case
21263315	60 g	12



## Gastrointestinal



### INTESTI-SORB® BOLUS

For use as an aid in relief of simple non-infectious diarrhea.

**Beef - Beef Calves - Dairy - Dairy Calves - Horse - Foals**

**Active Ingredients:** Kaolin 15.0%, Magnesium Oxide 13.2%, Sodium Bicarbonate 8.4%, Sodium Bentonite 4.7%, Citric Acid 4.0%, Carob Powder 3.4%, Apple Fiber 2.2%

**Inactive Ingredients:** Dicalcium Phosphate, Microcrystalline Cellulose, Lactose, Sodium Aluminosilicate, Magnesium Stearate, Magnesium Trisilicate

Item Code	Size	Case
12086672	50s	12



### MINERAL OIL

A mild laxative for the lubrication of the intestinal tract.

**Beef - Dairy - Horse - Sheep - Swine - Dog**

**Active Ingredients:** Mineral Oil 100%

Item Code	Size	Case
21263351	1 G	4
21269480	55 G	1

## Gastrointestinal

**EXCLUSIVE FOR POULTRY**



### EGG BOOST™

A premium top dress feed supplement for egg laying hens. Formulated to support the optimum level of bird health, while boosting the nutritional quality of eggs with enhanced levels of omega-3 fatty acids and vitamin D<sub>3</sub>. Includes probiotics to promote a healthy gut.

#### Poultry

##### GUARANTEED ANALYSIS (PER 1 LB):

Crude protein, min	20.0%	Folic acid, min	2 mg
Crude fat, min	20.0%	Pyridoxine hydrochloride, min	8 mg
Crude fiber, max	15.0%	Thiamin, min	7.9 mg
Vitamin D <sub>3</sub> , min	2,500 IU	Biotin, min	0.4 mg
Vitamin E, min	46 IU	Vitamin B-12, min	39 mcg
Menadione, min	8 mg	Omega-3 fatty acids, min	9.0%
Vitamin C, min	280 mg	Bacillus bacteria, min	680,400 CFU/lb

Item Code	Size	Case
16806200	3 lb	6

# Rise and Shine with Aspen



## Vitamins & Minerals



### BOVI FRESH®

Contains yeast, magnesium, calcium, potassium, select vitamins, and certain other nutrients at freshening.

#### Dairy

GUARANTEED ANALYSIS:	
Calcium, minimum	12.0%
Calcium, maximum	13.0%
Potassium, minimum	12.0%
Magnesium, minimum	5.0%
Sodium, minimum	1.45%
Zinc, maximum	100 ppm
Vitamin A, minimum	500,000 IU/lb
Vitamin D <sub>3</sub> , minimum	100,000 IU/lb
Vitamin E, minimum	500 IU/lb
Niacin, minimum	3000 mg/lb

Item Code	Size	Case
21254151	50 lb	1



### CMPK ORAL SOLUTION

For use as a supplemental nutritive source of calcium, phosphorus, magnesium, potassium, and dextrose.

#### Beef - Dairy

EACH 500 ML OF AQUEOUS SOLUTION CONTAINS:	
Calcium, minimum	1.8% w/v
Calcium, maximum	2.2% w/v
Phosphorus, minimum	1.08% w/v
Phosphorus, maximum	1.32% w/v
Magnesium, minimum	0.5% w/v
Magnesium, maximum	0.616% w/v
Potassium, minimum	0.09% w/v
Potassium, maximum	0.114% w/v
Dextrose · H <sub>2</sub> O	15% w/v

Item Code	Size	Case
13800105	500 mL	12



# It Only Takes One.

Quellaxcin® 100 (enrofloxacin) is a broad-spectrum antimicrobial solution that can be used as a single-dose or multi-day treatment for bovine respiratory disease (BRD). Now available in three sizes.



## Vitamins & Minerals



### KETO DRENCH WITH VITAMINS

An oral supplement for cows low on energy, niacin, and other B vitamins. Helps maintain normal energy and vitamin levels at freshening and is a safe follow-up to IV treatments for ketosis.

**Beef**

GUARANTEED ANALYSIS (PER 200 ML):	
Vitamin D <sub>3</sub> , minimum	3,000 IU
Niacin, minimum	11,500 mg
Pyridoxine (Vitamin B <sub>6</sub> ), minimum	60 mg
Vitamin B <sub>12</sub> , minimum	600 mcg

Item Code	Size	Case
14907236	1 G	4



### MEGA CMPK BOLUS

A nutritional supplement that provides additional nutritional support of the minerals calcium, phosphorus, potassium, magnesium, and vitamin D<sub>3</sub>.

**Beef - Horse - Sheep - Swine**

GUARANTEED ANALYSIS:		
	PER BOLUS	PER POUND
Calcium, minimum	4.4 g	12.2%
Calcium, maximum	5.3 g	14.7%
Phosphorus, minimum	3.7 g	10.2%
Potassium, maximum	1.5 g	4.1%
Magnesium, minimum	1.4 g	3.8%
Vitamin D <sub>3</sub> , minimum	50,000 IU	630,000 IU

Item Code	Size	Case
10258611	50s	6

## Vitamins & Minerals



### MINERAL MAX® RECHARGE

A powdered mixture of multiple sources of energy, vitamins, chelated trace minerals, and beneficial bacteria combined with aromatic flavor enhancers to stimulate strained cattle to consume water or feed during times of strain. Use when signs of dehydration are present.

**Beef - Beef Calves - Dairy - Dairy Calves**

GUARANTEED ANALYSIS (MINIMUM):			
Calcium, minimum	0.2%	Zinc, minimum	6100 ppm
Calcium, maximum	0.3%	Manganese, minimum	2500 ppm
Phosphorus, minimum	0.08%	Cobalt, minimum	400 ppm
Salt, minimum	45%	Selenium, minimum	60 ppm
Salt, maximum	47%	Vitamin A, minimum	2,204,000 IU/kg
Magnesium, minimum	0.14%	Vitamin D <sub>3</sub> , minimum	440,800 IU/kg
Potassium, minimum	8.25%	Vitamin E, minimum	2,200 IU/kg
Copper, minimum	6100 ppm	Vitamin B <sub>12</sub> , minimum	1,000 mcg/kg

Item Code	Size	Case
21297202	6 lb	8

# Strengthen Herd Health with Aspen





## Vitamins & Minerals



### ORAL CMPK GEL NUTRITIONAL SUPPLEMENT

A nutritional supplement that supplies the necessary elements to help maintain normal nutritional levels before, during, and after calving. Provides a source of calcium, magnesium, potassium, and phosphorus.

#### Dairy

GUARANTEED ANALYSIS PER TUBE:		
Calcium, minimum	11%	45.1 g
Calcium, maximum	13.2%	54.1 g
Phosphorus, minimum	1.5%	6.2 g
Magnesium, minimum	0.7%	2.9 g
Potassium, minimum	0.24%	1.0 g

Item Code	Size	Case
19865344	300 mL	12



### ORAL KETO ENERGEL NUTRITIONAL SUPPLEMENT

A nutritional supplement that supplies the necessary elements to help maintain normal nutritional levels before, during, and after calving. Provides a source of magnesium, niacin, and vitamins A, D<sub>3</sub>, E, and B<sub>12</sub>.

#### Dairy - Dairy Calves

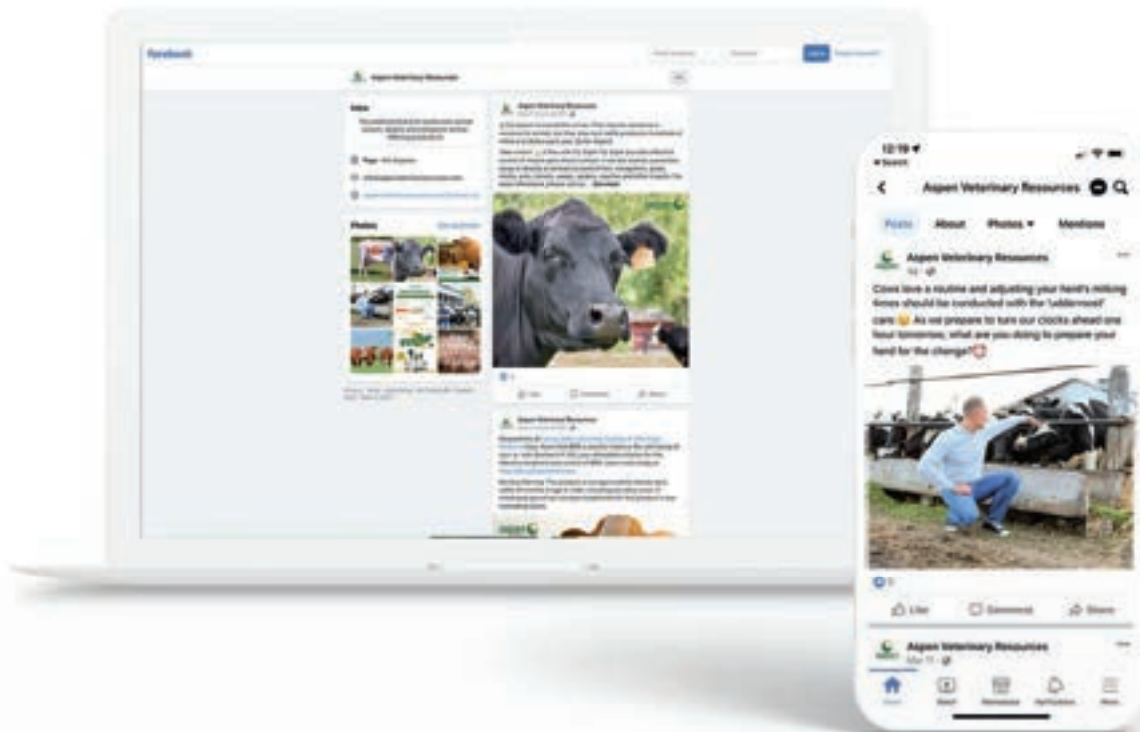
GUARANTEED ANALYSIS PER TUBE (MINIMUM):		
Magnesium	1.60%	6,000 mg
Cobalt	0.04%	150 mg
Vitamin A		50,000 IU
Vitamin D <sub>3</sub>		10,000 IU
Vitamin E		100 IU
Vitamin B <sub>12</sub>		1000 mcg
Niacin		15,000 mg
Choline		3,000 mg

Item Code	Size	Case
14147851	300 mL	12



# Let's Get Social with Aspen

Follow us on Facebook & Instagram  
to stay in touch with Aspen





# **OBSTETRICAL INSTRUMENTS & ACCESSORIES**

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# OBSTETRICAL INSTRUMENTS & ACCESSORIES

## Lubricants



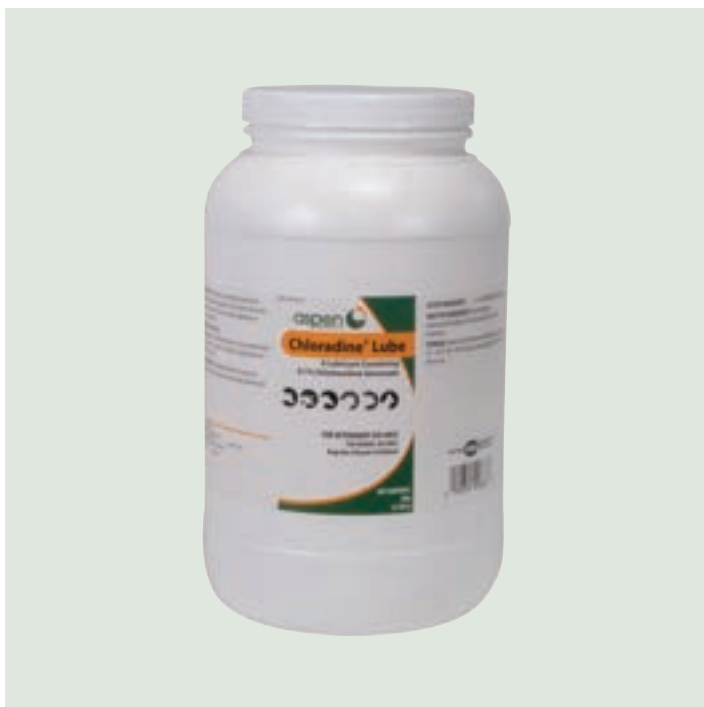
### AGRI-LUBE®

A hand lubricant concentrate that can be used for obstetrical or palpating purposes. It can also be used as an aid in cases of prolonged or dry cases of dystocia.

#### All Species

**Active Ingredients:** Polyethylene Polymer 25%,  
Dispersing Agent 75%

Item Code	Size	Case
21263323	10 oz	12



### CHLORADINE® LUBE

A ready-to-use antiseptic lubricant for topical or intrauterine application. It is non-greasy, free from irritating effects, and will not injure rubber appliances or surgical instruments.

#### Beef - Dairy - Horse - Sheep - Swine - Dog

**Active Ingredients:** Chlorhexidine Gluconate 0.1%

Inactive Ingredients: Purified Water, Hydroxyethylcellulose,  
Propylene Glycol, Color and Fragrance

Item Code	Size	Case
13866005	8 lb	4

## Lubricant



### GENERAL LUBE

A non-sterile, non-spermicidal, all-purpose lubricating jelly for use when performing gynecological procedures and rectal exams. The bland lubricating qualities aid in minimizing irritation to both the operator's skin and membranes of the animal.

#### All Species

**Active Ingredients:** Deionized Water, Propylene Glycol, Sodium Carboxymethylcellulose, Methyl and Propyl Para-hydroxybenzoate

Item Code	Size	Case
21273372	1 G	4*

\*one pump per case



### LUBISEPTOL® LUBRICANT

A non-sterile, non-spermicidal lubricating jelly for use when performing gynecological procedures and rectal exams. The bland lubricating qualities aid in minimizing irritation to both the operator's skin and membranes of the animal.

#### All Species

**Active Ingredients:** Deionized Water, Propylene Glycol, Sodium Carboxymethylcellulose, Methyl and Propyl Para-hydroxybenzoate

Item Code	Size	Case
21263336	1 G	4







**PARASITICIDES**

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## Dewormers



### MOR-MAX® (MORANTEL TARTRATE) GOAT DEWORMER

For removal and control of mature gastrointestinal nematode infections of goats including *Haemonchus contortus*, *Ostertagia (Teladorsagia) circumcincta* and *Trichostrongylus axei*.

**Goat**

**Active Ingredients:** Morantel Tartrate 1760 g/ton

Inactive Ingredients: Wheat Middlings, Soybean Hulls (max 20%), Calcium Carbonate, Molasses Products, Propionic Acid (a preservative)

GUARANTEED ANALYSIS:	
Crude Protein, minimum	12%
Crude Fat, minimum	1%
Crude Fiber, maximum	20%
Moisture, maximum	10%
Calcium, minimum	2.8%
Calcium, maximum	3.3%

Item Code	Size	Case
21276950	3 lb	6
21276951	10 lb	4

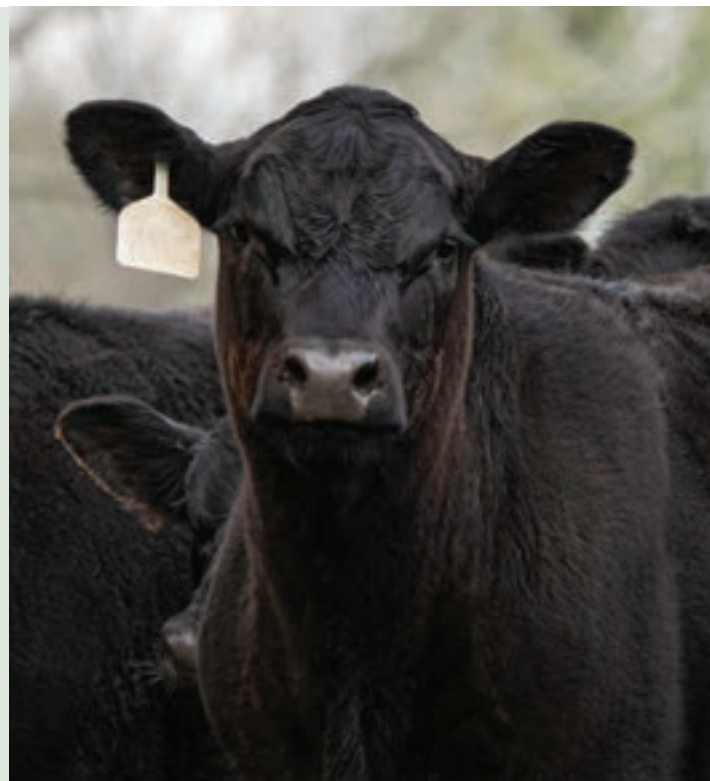




## Dewormers

### Ivermax®

Aspen's exclusive IVERMAX® (ivermectin) suite of parasite control products are proven, effective, and reliable in anti-parasitic activity. Our ivermectin-based product line offers broad-spectrum treatment for internal and external parasites.



### IVERMAX® (IVERMECTIN) INJECTION 1%

An injectable parasiticide for the treatment and control of gastrointestinal roundworms, lungworms, sucking lice, and mange mites in cattle and swine. May also be used to treat and control grubs in cattle.

**Beef - Swine**

**Active Ingredients: Ivermectin**

Item Code	Size	Case
12378158	50 mL	12
21291630	50 mL	12
12463733	250 mL	12
15483792	250 mL	12
18262184	500 mL	12
15483793	500 mL	12
10818680	1000 mL	6
15483794	1000 mL	6



## Dewormers



### IVERMAX® (IVERMECTIN) POUR-ON

For the treatment and control of gastrointestinal roundworms (including inhibited *Ostertagia ostertagi*), lungworms, grubs, horn flies, sucking and biting lice, and sarcoptic mange mites in cattle.

**Beef**

**Active Ingredients: Ivermectin 5 mg/mL**

Item Code	Size	Case
15703301	250 mL	12
15893311	1 L	12
15998644	2.5 L	4
14563321	2.5 L	4
21271833	2.5 L (4/CASE)	4
21263876	2.5 L (4/CASE)	4
16998644	5 L	2
21270267	5 L (2/CASE)	2
17998644	20 L	1

Note: Ivermax Pour-On 5 liter may be purchased by the individual unit or by the case.



### IVERMAX® PLUS (IVERMECTIN, CLORSULON) FOR INJECTION

For treatment and control of gastrointestinal roundworms, lungworms, sucking lice, adult flukes, grubs, and mange mites in cattle. Offers all the benefits of an ivermectin injection, plus the control of adult *Fasciola hepatica*.

**Beef**

**Active Ingredients: Ivermectin 1% w/v, Clorsulon 1010 w/v**

Item Code	Size	Case
11765142	500 mL	12
21291109	500 mL	12
16371421	1000 mL	6
21291260	1000 mL	6

# All-Around Protection

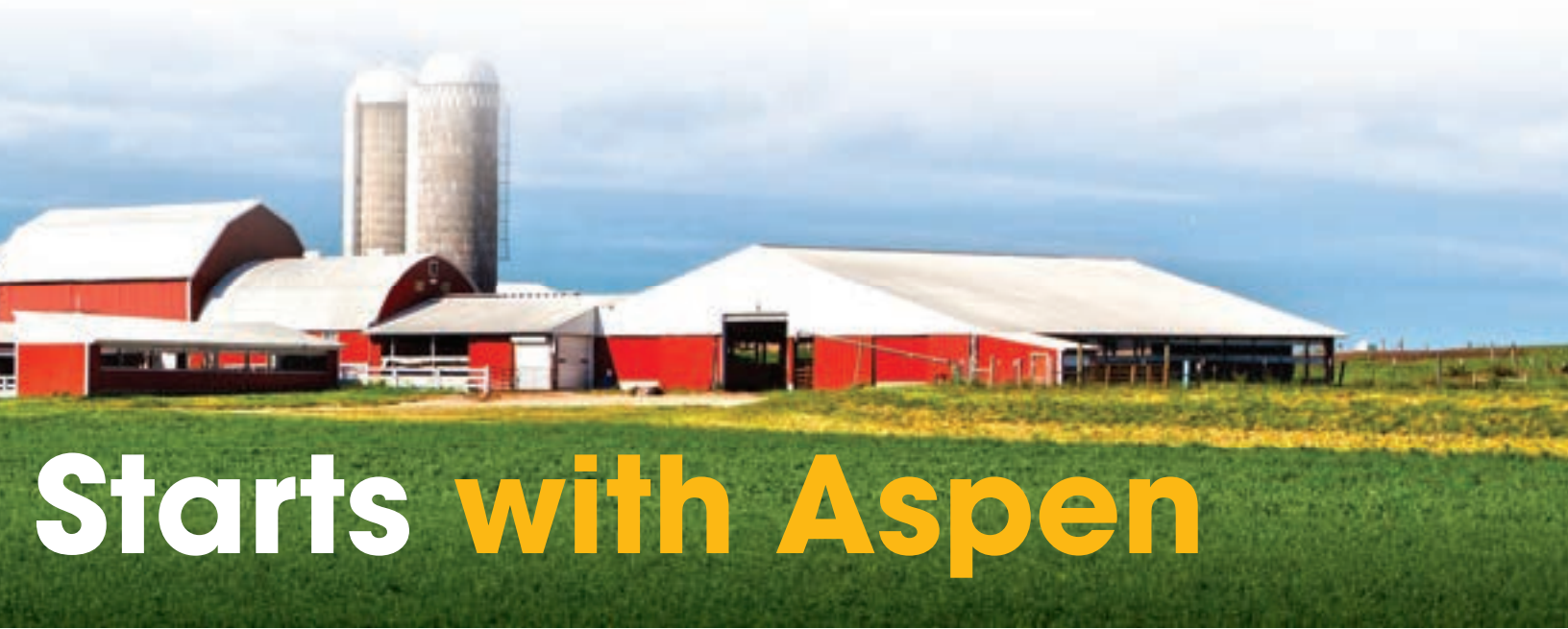
Protect Your Animals with Aspen Insecticide Products

## Compare to Major Brands and Save!



### ASPEN EXILE™ & EXIT® PRODUCTS:

ITEM #	ASPEN PRODUCT	SIZE	CASE PACK	ACTIVE INGREDIENTS	MAJOR BRANDS' PRODUCTS
13461887	<b>Exile™ 9.7%</b>	8 oz	12	Lambda-cyhalothrin 9.7%	Cyzmic™ CS (Control Solutions)* Demand® CS Insecticide (Sygenta)**** Grenade® ER Insecticide (Merck)** Lambda 9.7 CS Insecticide (Starbar)***
14371421	<b>Exile™ Ultra Pour-On</b>	1 G	4	Lambda-cyhalothrin 1.0%, Piperonyl Butoxide 5.0%	Cyonara® Plus (Control Solutions)* Embargo Ultra (VetOne®)^ Ultra Saber™ Pour-On (Merck)**
17345521 15872312 11406211	<b>Exit® II Synergized</b>	1 G 2.5 G 55 G	6 2 1	Permethrin 1.0% Piperonyl Butoxide 1.0%	Cattle Armor™ 1% Pour-On (Starbar)*** Intersect II™ (VetOne)^ Permethrin 1% Synergized Pour-On (Control Solutions)* Prozap® Insectrin 1% Pour-On (Neogen)^^
17028311 14731227 10821133	<b>Exit® Gold Synergized</b>	1 G 2.5 G 55 G	4 2 1	Permethrin 7.4% Piperonyl Butoxide 7.4%	Intersect Gold™ (VetOne)^ Fly Ban Synergized Pour-On (Control Solutions)* Prozap® Insectrin CS (Neogen)^^ Ultra Boss® (Merck)**



# Starts with Aspen

## ASPEN FLY ZAP PRODUCTS:

ITEM #	ASPEN PRODUCT	SIZE	CASE PACK	ACTIVE INGREDIENTS	OTHER BRANDS' PRODUCTS
21270933	Fly Zap® Aerosol	20 oz	6	Pyrethrins Piperonyl Butoxide	Prozap® LD-44 (Neogen) <sup>^^</sup>
21270934	Fly Zap® Aerosol Plus	20 oz	6		Prozap® Dy-Fly (Neogen) <sup>^^</sup> Country Vet® CV-80 <sup>^^^</sup>
21270935	Fly Zap® Aerosol Plus	25 oz	6		
21272665	Fly Zap® Indoor Fogger	6.5 oz	12		Country Vet® Fly Spray <sup>^^^</sup>

## The Advantages of Aspen Fly Zap® Aerosol Plus



### 22% more active ingredients

5.5% of pyrethrins and piperonyl butoxide versus 4.5% in competitor's

### More versatile label

Due to the superior propellant in Fly Zap® Aerosol Plus, this product has a broader label which allows this product to be used in homes, as well as commercial locations.

### Better atomization

The aerosol used in this product will remain suspended in the environment longer, covering a broader area than the competition.



\*Cyzmic® CS, Cyonara™ Plus Pour-On, Permethrin 1% Synergized Pour-On, and Fly Ban Synergized Pour-On are trademarks, or registered trademarks of Control Solutions, Inc.

\*\*Grenade® ER Insecticide, Ultra Saber™ Pour-On, and Ultra Boss® are trademarks, or registered trademarks of Merck

\*\*\*Lambda 9.7 CS Insecticide and Cattle Armor™ 1% Pour-On are trademarks, or registered trademarks of Central Garden & Pet Company

\*\*\*\*Demand® CS Insecticide is a registered trademark of Sygenta

^Embargo Ultra™, Intersect II™, and Intersect Gold™, are trademarks, or registered trademarks of MVI Animal Health®

^^Prozap® Insectrin 1% Pour-On, Prozap® Insectrin CS, Prozap® LD-44, and Prozap® Dy-Fly are trademarks, or registered trademarks of Neogen

^^^Country Vet® CV-80 and Country Vet® Fly Spray are trademarks, or registered trademarks of Country Vet®



## Pesticides



### EXILE™ 9.7%

An insecticide to be used on and around buildings and structures for the control of listed pests, including on lawns, ornamental trees and shrubs around residential, institutional, public, commercial, agricultural, and industrial buildings; and parks, recreational areas and athletic fields.

#### Premises

**Active Ingredients: Lambda-cyhalothrin<sup>1</sup> 9.7%:**

**[1 a(S\*),3 a(Z)]-(±)-cyano-(3-phenoxyphenyl)methyl-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate**

#### <sup>1</sup>Synthetic Pyrethroid

Available for purchase in the following states: AL, AK, AZ, CA, CO, DE, GA, IA, IL, IN, KY, LA, MI, MN, MO, MT, NC, ND, NE, NM, NY, OH, OK, SC, SD, TN, TX, UT, WA

Item Code	Size	Case
13461887	8 oz	12



### EXILE™ ULTRA POUR-ON

A powerful broad-spectrum insecticide containing highly bioactive pyrethroid lambda-cyhalothrin and piperonyl butoxide for control of horn flies and lice on beef cattle or calves. An economical, long-lasting, convenient, ready-to-use formula.

#### Beef - Beef Calves

**Active Ingredients: Lambda-cyhalothrin 1.0%, Piperonyl Butoxide 5.0%**

Available for purchase in the following states: AL, AK, CO, FL, GA, IA, IL, KS, KY, MN, MO, MT, ND, NE, NY, OK, OR, SC, SD, TN, TX, WA, WI, WY

Item Code	Size	Case
14371421	1 G	4

\*one applicator per case

## Pesticides



### EXIT® GOLD SYNERGIZED

Controls lice and flies on beef cattle, lactating and non-lactating dairy cattle and calves when applied as a pour-on, spray, or back rubber. Controls keds on sheep and lambs when applied as a pour-on. Controls flies on horses when applied as a wipe-on, pour-on, or ready-to-use spray.

**Beef - Beef Calves - Dairy - Dairy Calves - Horse - Sheep**

**Active Ingredients: Permethrin\* 7.4%, Piperonyl Butoxide Technical\*\* 7.4%**

\*Cis/trans isomers ratio: Max. 55% (±) cis and min. 45% (±) trans.

\*\*Equivalent to min. 5.92% (butylcarbityl) (6-propylpiperonyl) ether and 1.48% related compounds.

\*\*\*Contains Petroleum Distillate

Available for purchase in the following states: AL, CA, CO, FL, GA, IA, ID, IL, IN, KS, KY, LA, MD, MI, MN, MO, MS, MT, NC, ND, NE, NM, NY, OH, OK, OR, SC, SD, TN, TX, VA, WA, WI, WV, WY

Item Code	Size	Case
17028311	1 G	4
14731227	2.5 G	2
10821133	55 G	1
21138699	GUN	1



### EXIT® II SYNERGIZED

Controls lice and flies on beef cattle, lactating and non-lactating dairy cattle and calves when applied as a pour-on, spray, or back rubber. Controls keds on sheep and lambs when applied as a pour-on.

**Beef - Beef Calves - Dairy - Dairy Calves - Sheep**

**Active Ingredients: Permethrin\* 1.0%, Piperonyl Butoxide Technical\*\* 1.0%**

Available for purchase in the following states: AL, AK, AZ, CA, CO, FL, GA, IA, ID, IL, IN, KS, KY, LA, MD, MI, MN, MO, MS, MT, NC, ND, NE, NM, NY, OH, OK, OR, PA, SC, SD, TN, TX, UT, VA, WA, WI, WY

Item Code	Size	Case
17345521	1 G	6
15872312	2.5 G	2
11406211	55 G	1

## Pesticides



### FLY ZAP® AEROSOL INSECTICIDE

Fly Zap® Aerosol Insecticide, containing both pyrethrins and piperonyl butoxides, provides instant knock-down/kill of flying and crawling insects in homes and on farms. Approved for use in homes in addition to food processing areas, Fly Zap® Aerosol can be used as a premises spray or directly on animals to control flies, mosquitoes, gnats, moths, ants, hornets, wasps, spiders, roaches, and other insects.

**Beef - Dairy - Horse - Swine - Poultry - Premises**

**Active Ingredients: Pyrethrins 0.5%, \*Piperonyl Butoxide 4.0%**

**Other Ingredients: 95.5%**

**\*Equivalent to 3.2% (Butylcarbityl) (6-Propylpiperonyl) ether and 0.8% related compounds**

Available for purchase in the following states: AL, AK, AZ, CA, CO, DE, FL, GA, IA, ID, IL, IN, KS, KY, LA, MD, MI, MN, MO, MS, MT, NC, ND, NE, NM, NV, NY, OH, OK, OR, PA, SC, SD, TN, TX, UT, VA, VT, WA, WI, WV, WY

Item Code	Size	Case
21270933	20 oz	6



### FLY ZAP® PLUS AEROSOL INSECTICIDE

Fly Zap® Aerosol Plus Insecticide, containing both pyrethrins and piperonyl butoxides, provides instant knock-down/kill of flying and crawling insects in homes and on farms. Approved for use in homes in addition to food processing areas. Fly Zap® Aerosol Plus can be used as a premises spray or directly on animals to control flies, mosquitoes, gnats, moths, ants, hornets, wasps, spiders, roaches, and other insects.

**Beef - Dairy - Horse - Swine - Poultry - Premises**

**Active Ingredients: Pyrethrins 0.5%, \*Piperonyl Butoxide 5.0%**

**Other Ingredients\*\*\***

**\*(butylcarbityl) (6-propylpiperonyl) ether and related compounds**

**\*\*\*Contains petroleum distillates**

Available for purchase in the following states: AL, AK, AZ, CA, CO, DE, FL, GA, IA, ID, IL, IN, KS, KY, LA, MD, MI, MN, MO, MS, MT, NC, ND, NE, NM, NV, NY, OH, OK, OR, PA, SC, SD, TN, TX, UT, VA, VT, WA, WI, WV, WY

Item Code	Size	Case
21270934	20 oz	6
21270935	25 oz	6



## Pesticides



### FLY ZAP® INDOOR FOGGER

The Fly Zap® Indoor Fogger controls flies, mosquitoes, gnats, and moths. Each can lasts up to 30 days and covers 6,000 feet of space. Fits into most automatic dispensers.

#### Premises

**Active Ingredients:** Pyrethrins 1.0%, Piperonyl Butoxide\* 2.0%, N-Octyl Bicycloheptene Dicarboximide 3%

**Other Ingredients\*\* 94.0%**

\*(butylcarbityl)(6-propylpiperonyl) ether and related compounds

\*\* Contains petroleum distillates

Available for purchase in the following states: AL, AK, AZ, CA, CO, DE, FL, GA, HI, IA, ID, IL, IN, KS, KY, LA, MA, MD, MI, MN, MO, MS, NC, ND, NE, NH, NM, NV, NY, OH, OK, OR, PA, RI, SC, SD, TN, TX, UT, VA, WA, WI, WY

Item Code	Size	Case
21272665	6.5 oz	12

# Aspen's Fly Zap® Indoor Fogger Advantages

- **Lower cost than competitors**
- **Larger size!** (6.5 oz can vs. 6.4 oz can)
- Fits all standard dispensers
- One unit treats approximately 6,000 cubic feet of space for approximately 30 days
- Approved for use in food handling/processing facilities and restaurants
- **Active Ingredients:**
  - **1% pyrethrins**
  - **2% piperonyl butoxide**
  - **3% n-octyl bicycloheptene dicarboximide**

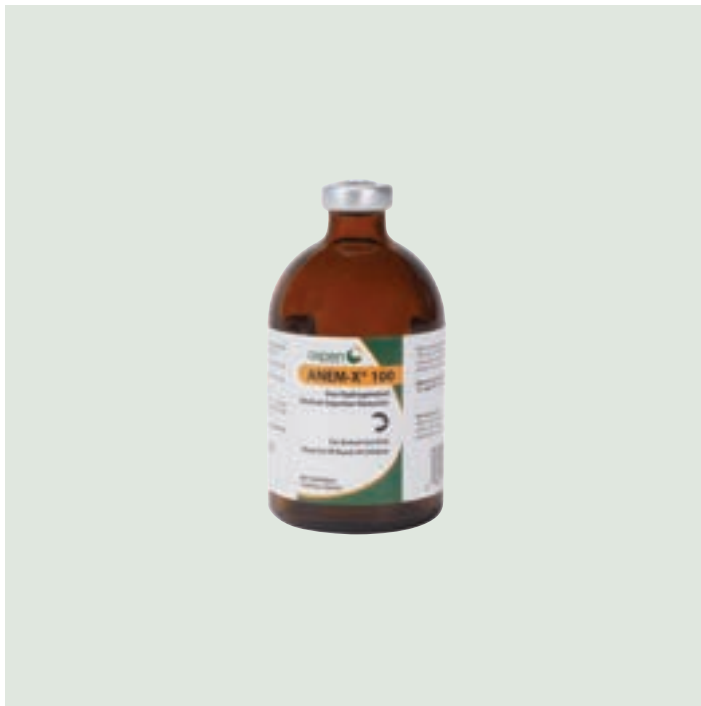


Prozap® is a registered trademark of Neogen



**PHARMACEUTICALS**

## Hematologics



### ANEM-X® 100 (IRON HYDROGENATED DEXTRAN INJECTION HEMATINIC) Rx

Used for the prevention and treatment of anemia due to iron deficiency in piglets.

Swine

#### EACH ML OF STERILE SOLUTION CONTAINS:

100 mg of elemental Iron stabilized with a low molecular weight Hydrogenated Dextran and 0.5% Phenol as a preservative

Item Code	Size	Case
14702214	100 mL	12

## Anesthetics



### LIDOCAINE INJECTABLE Rx

A potent local anesthetic for producing epidural, nerve conduction and infiltration anesthesia.

Beef - Dairy - Horse - Dog - Cat

#### EACH ML OF STERILE AQUEOUS SOLUTION CONTAINS:

Lidocaine Hydrochloride	2.0%
Propylene Glycol	5.2%
Sodium Chloride	0.5%
Sodium Lactate	0.5%

With Methylparaben 0.15%, Sodium Metabisulfite 0.10%, Propylparaben 0.03% and Disodium Edetate 0.001% as preservatives

Item Code	Size	Case
16479689	100 mL	12
16598832	250 mL	12



## Antibiotics

### PENICILLIN G PROCAINE



### BACTRACILLIN G® (PENICILLIN G PROCAINE) INJECTABLE SUSPENSION

A potent antibacterial agent that is effective against a variety of pathogenic organisms, mainly in the gram-positive category. Recommended for the treatment of bacterial pneumonia (shipping fever) in cattle and sheep, erysipelas in swine, and strangles in horses.

Beef - Horse - Sheep - Swine

GUARANTEED ANALYSIS:			
Each mL contains 300,000 units Penicillin G Potassium*			
Procaine Hydrochloride*	139.0 mg	Polysorbate 80	0.4 mg
Procaine Hydrochloride	2.0%	Lecithin	2.0 mg
Potassium Phosphate Monobasic	3.0 mg	Methyl Paraben	0.1%
Potassium Phosphate Dibasic	6.0 mg	Propyl Paraben	0.01%
Sodium Formaldehyde Sulfoxylate	0.4%	Sodium Carboxymethylcellulose	0.15%
q.s. Water for Injection			
* Penicillin G Potassium and Procaine Hydrochloride react to form Penicillin G Procaine			

Item Code	Size	Case
12228725	100 mL	12
13228725	250 mL	12
14228725	500 mL	12

### PENICILLIN G PROCAINE



### PEN-AQUEOUS® (PENICILLIN G PROCAINE) INJECTABLE SUSPENSION

A potent antibacterial agent which is effective against a variety of pathogenic organisms, chiefly in the gram-positive category. Recommended for the treatment of bacterial pneumonia (shipping fever) in cattle and sheep, erysipelas in swine, and strangles in horses.

Beef - Horse - Sheep - Swine

EACH ML OF SUSPENSION CONTAINS:			
Penicillin G Potassium	300,000 units*	Sodium Carboxymethylcellulose	1 mg
Procaine Hydrochloride	130.8 mg*	Methylparaben	1.3 mg
Sodium Citrate	10 mg	Propylparaben	0.2 mg
Povidone	5 mg	Sodium Fomaldehyde Sulfoxylate	0.2 mg
Lecithin	6 mg	Procaine Hydrochloride	20 mg
q.s. Water for Injection			
* Penicillin G Potassium and Procaine Hydrochloride react to form Penicillin G Procaine			

Item Code	Size	Case
13411127	100 mL	12
12431127	250 mL	12
13431127	500 mL	12

## Antibiotics

### Penicillin G Procaine Withdrawal Period



**Bactracillin G®**  
Cattle - 14 days    Sheep - 9 days    Swine - 7 days



**Pen-Aqueous®**  
Cattle - 4 days    Sheep - 8 days    Swine - 6 days

### Compare to Major Brands and Save!

ASPEN PRODUCT	SIZE	DOSAGE	DURATION OF TREATMENT	SPECIES	SLAUGHTER WITHDRAWAL	MILK WITHDRAWAL	OTHER BRANDED PRODUCTS
<b>Bactracillin G® (Pen G)</b>	100 ml 250 ml 500 ml	1 ml/100 lb body weight – IM	Do not exceed 4 days	Cattle Swine Sheep Horse	Cattle – 14 days Sheep – 9 days Swine – 7 days Non-ruminating calves – not established Do not use in calves to be processed for veal	48 hours	Norocillin® (Norbrook)* PenOne Pro™ (VetOne)**
<b>Pen-Aqueous® (Pen G)</b>	100 ml 250 ml 500 ml	1 ml/100 lb body weight – IM	Once daily Do not exceed 7 days in non-lactating dairy and beef cattle, sheep, and swine Do not exceed 5 days in lactating dairy cattle	Cattle Swine Sheep Horse	Cattle – 4 days Sheep – 8 days Swine – 6 days Non-ruminating calves – 7 days	48 hours	Pro-Pen-G® (Bimeda)^ VetriPen™ G (VetOne)** Penicillin Inject (Durvet)^^ PenJect (Covetrus)^^^

\*Norocillin® is a registered trademark of Norbrook®  
\*\*PenOne Pro™ and VetriPen™ G are trademarks of MWI Animal Health®

^Pro-Pen-G® is a registered trademark of Bimeda®  
^^Penicillin Injectable is manufactured by Durvet  
^^^PenJect is manufactured by Covetrus, Inc.

## Antibiotics

### CEFTIFLEX® (CEFTIOFUR SODIUM) Rx STERILE POWDER

CeftiFlex® is a broad-spectrum cephalosporin antibiotic active against gram-positive and gram-negative bacteria including  $\beta$ -lactamase-producing strains. Reconstitute this product with 8 mL sterile water for injection.

Beef - Dairy - Horse - Sheep - Goat - Swine - Dog - Poultry

Active Ingredients: Ceftiofur Sodium equivalent to 4 grams Ceftiofur



Item Code	Size	Case
21275010	4 g	6

# Healthier Life Cycles with Aspen





## Antibiotics



### COCCI-CURE® C (AMPROLIUM) 9.6% ORAL SOLUTION

An oral solution used as an aid in the treatment and prevention of coccidiosis caused by *Eimeria bovis* and *E. zuernii* in calves. Medicated drinking water is palatable and readily accepted by calves.

**Beef Calves - Dairy Calves**

**Active Ingredients: Amprolium 9.6%**

Item Code	Size	Case
16144354	1 G	4



### COCCI-CURE® P (AMPROLIUM) 9.6% ORAL SOLUTION

An oral solution intended for the treatment of coccidiosis in growing chickens, turkeys, and laying hens. Medicated drinking water is palatable and readily accepted by birds.

**Poultry**

**Active Ingredients: Amprolium 9.6%**

Item Code	Size	Case
21264268	1 G	4

## Antibiotics



### FLORCON® (FLORFENICOL) Rx 2.3% CONCENTRATE SOLUTION

A synthetic broad-spectrum antibiotic that is indicated for the treatment of swine respiratory disease associated with *Actinobacillus pleuropneumoniae*, *Pasteurella multocida*, *Salmonella choleraesuis*, and *Streptococcus suis*.

Swine

Active Ingredients: Florfenicol 2.3%

Item Code	Size	Case
21279916	2.2 L (0.58 G)	4



### GENTAMICIN SULFATE Rx SOLUTION

Recommended for the control of bacterial infections of the uterus (metritis) in horses and as an aid in improving conception in mares with uterine infections caused by bacteria sensitive to gentamicin.

Horse

EACH ML CONTAINS:	
Gentamicin Sulfate veterinary equivalent to 100 mg Gentamicin base	
Sodium Metabisulfite	2.4 mg
Sodium Sulfite, Anhydrous	0.8 mg
Edetate Disodium	0.1 mg
Benzyl Alcohol as a preservative	10 mg

Item Code	Size	Case
17861615	100 mL	12
18105120	250 mL	12

## Antibiotics



### LINCOMYCIN 300 INJECTION

Indicated for treatment of arthritis caused by susceptible organisms and for mycoplasma pneumonia.

#### Swine

**Active Ingredients:** Each mL contains Lincomycin Hydrochloride equivalent to Lincomycin, 25 mg; also Benzyl Alcohol, 9.45 mg added as a preservative

Item Code	Size	Case
20114357	100 mL	12
16633888	100 mL	12



### LINCOMYCIN S 50 <sup>Rx</sup> SOLUBLE POWDER

For use in chickens up to 7 days of age as an aid in the control of airsacculitis caused by either *Mycoplasma synoviae* or *Mycoplasma gallisepticum*.

#### Poultry

**Active Ingredients:** Lincomycin Hydrochloride equivalent to Lincomycin 16.7 g, Spectinomycin Dihydrochloride Pentahydrate equivalent to Spectinomycin 33.3 g

Item Code	Size	Case
12201751	75 g	12



### NEOVET<sup>®</sup> (NEOMYCIN SULFATE) <sup>Rx</sup> SOLUTION

For the treatment and control of colibacillosis (bacterial enteritis) caused by *Escherichia coli* susceptible to neomycin sulfate in cattle (excluding veal calves), swine, sheep, and goats.

#### Beef - Dairy - Sheep - Goat - Swine

**Active Ingredients:** Neomycin Sulfate 200 mg

Item Code	Size	Case
15005001	16 oz	12
17956871	1 G	4



## Antibiotics



### QUELLAXCIN® 100 Rx (ENROFLOXACIN) INJECTABLE SOLUTION

A sterile, ready-to-use injectable antimicrobial solution that contains enrofloxacin, a broad-spectrum fluoroquinolone antimicrobial agent indicated for the effective treatment and control of respiratory disease. Can be used in beef cattle, non-lactating dairy cattle, and swine. Treats and controls bovine respiratory disease (BRD) and swine respiratory disease (SRD). Also for control of colibacillosis in swine.

- **Cattle:** convenient single-dose and multi-day therapy
- **Swine:** administer intramuscular or subcutaneous
- Each mL of Quellaxcin® 100 contains 100 mg of enrofloxacin
- Not for use in female dairy cattle 20 months of age or older or in calves to be processed for veal

#### Beef - Swine

Item Code	Size	Case
21288984	100 mL	12
21288987	250 mL	12
21288988	500 mL	12



## Antibiotics



### SULFADIMETHOXINE Rx SOLUTION 12.5%

- **Broiler and Replacement Chickens:** for the treatment of disease outbreaks of coccidiosis, fowl cholera, and infectious coryza
- **Meat-producing Turkeys:** for the treatment of disease outbreaks of coccidiosis and fowl cholera
- **Dairy Calves, Dairy Heifers, and Beef Cattle:** for the treatment of shipping fever complex and bacterial pneumonia associated with *Pasteurella* spp. sensitive to sulfadimethoxine; and calf diphtheria and foot rot associated with *Fusobacterium necrophorum* (*Sphaerophorus necrophorus*) sensitive to sulfadimethoxine

**Beef - Dairy - Poultry**

**Active Ingredients:** Sulfadimethoxine

Inactive Ingredients: Disodium Edetate, Sodium Bisulfite, Sodium Hydroxide, Purified Water QS

Item Code	Size	Case
14588923	1 G	4



### SULFADIMETHOXINE Rx INJECTION 40%

For the treatment of bovine respiratory disease complex (shipping fever complex) and bacterial pneumonia associated with *Pasteurella* spp. sensitive to sulfadimethoxine; necrotic pododermatitis (foot rot) and calf diphtheria caused by *Fusobacterium necrophorum* (*Sphaerophorus necrophorus*) sensitive to sulfadimethoxine.

**Beef - Dairy**

EACH ML CONTAINS:	
400 mg Sulfadimethoxine compounded with 20% Propylene Glycol	
Benzyl Alcohol	1%
Disodium Edetate	0.1 mg
Sodium Formaldehyde Sulfoxylate	1 mg
pH adjusted with Sodium Hydroxide	

Item Code	Size	Case
21284492	250 mL	12

## Antibiotics



### SUPRA SULFA® III (SULFAMETHAZINE) SUSTAINED RELEASE BOLUS

Supra Sulfa® III boluses are intended for oral administration to beef cattle and non-lactating dairy cattle. Aids in the treatment of the following diseases when caused by one or more pathogenic organisms sensitive to sulfamethazine: bacterial pneumonia and bovine respiratory disease complex, colibacillosis, necrotic pododermatitis, calf diphtheria, and acute metritis.

**Beef - Dairy**

**Active Ingredients:** Each bolus contains Sulfamethazine 32.1 g

Item Code	Size	Case
16201446	50s	6
18206144	100s	4



### TERRA-VET® 200 (OXYTETRACYCLINE) INJECTION

A sterile, ready-to-use preparation containing 200 mg/mL oxytetracycline, for administration of the broad-spectrum antibiotic. Effective in the treatment of a wide range of diseases caused by susceptible gram-positive and gram-negative bacteria in cattle and swine.

**Beef - Dairy - Dairy Calves - Swine**

EACH ML CONTAINS:	
200 mg of Oxytetracycline base as Oxytetracycline dihydrate, and on a w/v basis	
2-pyrrolidone	40.0%
Povidone	5.0%
Magnesium Oxide	1.8%
Sodium Formaldehyde Sulfoxylate (as a preservative)	0.2%
Monoethanolamine and/or Hydrochloric Acid as required to adjust pH	

Item Code	Size	Case
17175983	100 mL	12
16321987	250 mL	12
12792311	500 mL	12



## Antibiotics



### TETRACYCLINE SP 324 <sup>Rx</sup> (TETRACYCLINE HYDROCHLORIDE) SOLUBLE POWDER

Each pound of tetracycline soluble powder contains 324 grams of tetracycline hydrochloride. Use in the control and treatment of the following conditions in swine, calves, and poultry:

- **Swine and Calves:** for control and treatment of bacterial enteritis (scours) caused by *Escherichia coli*; bacterial pneumonia associated with *Actinobacillus pleuropneumoniae*, *Pasteurella* spp. and *Klebsiella* spp. sensitive to tetracycline hydrochloride
- **Chickens:** for control of chronic respiratory disease (CRD air sac disease) caused by *Mycoplasma gallisepticum* and *Escherichia coli*; infectious synovitis caused by *Mycoplasma synoviae* sensitive to tetracycline hydrochloride
- **Turkeys:** for control of infectious synovitis caused by *Mycoplasma synoviae*; bluecomb (transmissible enteritis, coronaviral enteritis) complicated by organisms sensitive to tetracycline hydrochloride

Beef Calves - Dairy Calves - Poultry - Swine

Active Ingredients: Tetracycline Hydrochloride 324 g per pound

Item Code	Size	Case
17170211	5 lb	1
21306595	5 lb	1
15112311	25 lb	1





## Antibiotics



### TYLOSIN TARTRATE Rx SOLUBLE POWDER

A macrolide antibiotic for use in chickens, turkey, swine, and honey bees.

- **Chickens:** as an aid in the treatment of chronic respiratory disease (CRD) associated with *Mycoplasma gallisepticum* sensitive to tylosin in broiler and replacement chickens. For the control of CRD associated with *Mycoplasma gallisepticum* sensitive to tylosin at the time of vaccination or other stress in chickens. For the control of CRD associated with *Mycoplasma synoviae* sensitive to tylosin in broiler chickens
- **Turkeys:** for the reduction in severity of effects of infectious sinusitis associated with *Mycoplasma gallisepticum*
- **Swine:** for the treatment and control of swine dysentery associated with *Brachyspira hyodysenteriae*. For the treatment and control of swine dysentery associated with *Brachyspira hyodysenteriae* when followed immediately by tylosin phosphate Type A medicated article in feed. For the control of porcine proliferative enteropathies (PPE, ileitis) associated with *Lawsonia intracellularis* when followed immediately by tylosin phosphate Type A medicated article in feed
- **Honey Bees:** for the control of American foulbrood *Paenibacillus larvae*

Poultry - Swine - Honey Bees

Active Ingredients: Tylosin (as Tylosin Tartrate) 100 g



Item Code	Size	Case
21270268	100 g	24





## Anti-inflammatory & Antipruritics



### ASPIRIN 240 GRAIN BOLUS

To be used orally as an aid in reducing fever and in relief of minor muscular aches and joint pains.

**Beef - Beef Calves - Dairy - Dairy Calves - Horse**

**Active Ingredients: Acetylsalicylic Acid 15.6 g**

Item Code	Size	Case
21274301	50s	12
21299463	50s	12



### ASPIRIN 480 GRAIN BOLUS

To be used orally as an aid in reducing fever and in relief of minor muscular aches and joint pains.

**Beef - Beef Calves - Dairy - Dairy Calves - Horse**

**Active Ingredients: Acetylsalicylic Acid 31.2 g**

Item Code	Size	Case
21274306	50s	6



## Anti-inflammatory & Antipruritics



### ASPIRIN LIQUID CONCENTRATE

A concentrated solution for use in livestock drinking water that aids in reducing fever and relief of minor muscular aches and joint pains.

**Beef - Dairy - Swine - Poultry**

**Active Ingredients: Acetylsalicylic Acid (Aspirin) 15.6 g**

Inactive Ingredients: FD & C Blue Dye, Ethyl Alcohol, Glycerine, and Propylene Glycol

Item Code	Size	Case
16606631	32 oz	12



### ASPIRIN POWDER

For use as an aid in reducing fever or providing pain relief.

**Beef - Beef Calves - Dairy - Dairy Calves - Horse - Sheep - Swine - Poultry - Dog**

**Active Ingredients: Acetylsalicylic Acid 227 g/lb**

Inactive Ingredients: Sucrose and apple flavor

Item Code	Size	Case
21303791	25 lb	1

## Anti-inflammatory & Antipruritics



### DEXASONE® (DEXAMETHASONE) Rx INJECTION

For the treatment of primary bovine ketosis and as an anti-inflammatory agent in the bovine and equine. As supportive therapy it may be used in the management of various rheumatic, allergic, dermatologic, and other diseases known to be responsive to anti-inflammatory corticosteroids. Also, may be used intravenously as supportive therapy when an immediate hormonal response is required.

**Beef - Horse**

EACH ML CONTAINS ACTIVE INGREDIENTS:			
Dexamethasone	2 mg	Propylparaben (preservative)	0.2 mg
Polyethylene Glycol 400	500 mg	Alcohol	4.75%
Benzyl Alcohol	9 mg	HCl to adjust pH to approximately	4.9
Methylparaben (preservative)	1.8 mg		
Water for Injection q.s.			

Item Code	Size	Case
15761817	100 mL	12



### EQUI-BUTE® PASTE Rx (PHENYLBUTAZONE)

A non-steroidal, anti-inflammatory drug used for relieving pain or reducing fevers. For the relief of inflammatory conditions associated with the musculoskeletal system in horses.

**Horse**

**Active Ingredients: Phenylbutazone 20 g**

Item Code	Size	Case
15376300	60 g	24

## Anti-inflammatory & Antipruritics



### PHENYLBUTAZONE 20% INJECTION Rx

Injection used for the relief of inflammatory conditions associated with musculoskeletal system in horses.

Horse

EACH ML CONTAINS ACTIVE INGREDIENTS:	
Phenylbutazone	200 mg
Benzyl Alcohol Preservative	10.45 mg
Water for Injection – q.s.	

Item Code	Size	Case
12208114	100 mL	12

# Quality Comes First

## with Aspen





## Anti-inflammatory & Antipruritics



### VETAMEG® (FLUNIXIN) Rx FOR INJECTION

A potent, non-narcotic, nonsteroidal, analgesic agent with anti-inflammatory and antipyretic activity.

**Horses:** recommended for the alleviation of inflammation and pain associated with musculoskeletal disorders. It is also recommended for the alleviation of visceral pain associated with colic.

**Cattle:** indicated for the control of pyrexia associated with bovine respiratory disease, acute bovine mastitis, and inflammation in endotoxemia.

**Beef - Dairy - Horse**

EACH ML CONTAINS:			
Flunixin (equivalent to 83 mg flunixin meglumine)	50 mg	Diethanolamine	4.0 mg
Edetate Disodium	0.1 mg	Propylene Glycol	207.2 mg
Sodium Formaldehyde Sulphoxylate	2.5 mg	Phenol (preservative)	5.0 mg
Hydrochloric Acid , Water for Injection q.s.			

Item Code	Size	Case
21291631	100 mL	12
21291632	250 mL	12



### VETAMEG® (FLUNIXIN) Rx PASTE

A nonsteroidal, non-narcotic apple-flavored paste that aids in alleviating inflammation and pain associated with musculoskeletal disorders in horses.

**Horse**

**Active Ingredients: Flunixin Meglumine 1500 mg**

Item Code	Size	Case
21266375	1.06 oz (30 g)	12

## Vitamins & Minerals



### VITA-JEC® AD FOR INJECTION

A supplemental source of vitamins A and D in beef and dairy cattle. Contains 500,000 IU vitamin A and 75,000 IU vitamin D<sub>3</sub> per mL.

**Beef - Beef Calves - Dairy - Dairy Calves**

**Active Ingredients: Vitamin A 500,000 IU, Vitamin D<sub>3</sub> 75,000 IU**

Inactive Ingredients: Emulsifiable Base with Vitamin E (antioxidant), N-Methylpyrrolidone, Polyoxyethylated (30) Castor Oil, Propylene Glycol Dicaprylate, Polyoxyethylene (20) Sorbitan Monooleate and Benzyl Alcohol 2%

Item Code	Size	Case
14023307	100 mL	12
15023307	250 mL	12
18352554	500 mL	12



### VITA-JEC® B COMPLEX FORTIFIED FOR INJECTION

For use as a supplemental source of B-complex vitamins.

**Beef - Beef Calves - Sheep - Swine**

EACH ML OF STERILE AQUEOUS SOLUTION CONTAINS:			
Thiamine Hydrochloride (B <sub>1</sub> )	100 mg	d-Panthenol	10 mg
Niacinamide	100 mg	Riboflavin (B <sub>2</sub> ) (as Riboflavin 5'- Phosphate Sodium)	5 mg
Pyridoxine Hydrochloride (B <sub>6</sub> )	10 mg	Cyanocobalamin (B <sub>12</sub> )	100 mcg

Inactive Ingredients: Citric Acid and Benzyl Alcohol 1.5% v/v (preservative)

Item Code	Size	Case
14060606	100 mL	12
15060603	250 mL	12
17904212	500 mL	12

## Vitamins & Minerals



### VITA-JEC® B<sub>12</sub> 1000 MCG Rx FOR INJECTION

For use as a supplemental nutritive source of vitamin B<sub>12</sub>. Each mL of sterile aqueous solution contains 1000 mcg of B<sub>12</sub>.

**Beef - Horse - Sheep - Swine - Dog - Cat**

**Active Ingredients: Each mL of sterile aqueous solution contains: Cyanocobalamin (B<sub>12</sub>) 1000 mcg**

Inactive Ingredients: Sodium Chloride 0.22% w/v, Ammonium Sulfate 0.1% w/v, Citric Acid 0.01% w/v, Sodium Citrate 0.008% w/v, and Benzyl Alcohol 1.0% v/v (preservative)

Item Code	Size	Case
14000404	100 mL	12
18406258	250 mL	12
19933299	500 mL	12



### VITA-JEC® B<sub>12</sub> 3000 MCG Rx FOR INJECTION

For use as a supplemental nutritive source of vitamin B<sub>12</sub>.

**Beef - Horse - Sheep - Swine - Dog - Cat**

**Active Ingredients: Each mL of sterile aqueous solution contains: Cyanocobalamin (B<sub>12</sub>) 3000 mcg**

Inactive Ingredients: Sodium Chloride 0.22% w/v, Ammonium Sulfate 0.1% w/v, Citric Acid 0.01% w/v, Sodium Citrate 0.008% w/v, and Benzyl Alcohol 1.0% v/v (preservative)

Item Code	Size	Case
14062406	100 mL	12
15062405	250 mL	12



## Vitamins & Minerals



### VITA-JEC® C <sup>Rx</sup> INJECTABLE SOLUTION

For use as a nutritive supplement of vitamin C.

**Beef - Dairy - Horse - Sheep - Swine - Dog - Cat**

**Active Ingredients:** Each mL of sterile aqueous solution contains: Sodium Ascorbate 250 mg, Monothioglycerol 0.5% w/v, Edetate Disodium 0.1% w/v, Methylparaben (preservative) 0.18% w/v (preservative), Propylparaben 0.02% w/v (preservative)

Item Code	Size	Case
14084308	100 mL	12
12545114	250 mL	12



### VITA-JEC® ESSENTIAL E-300® INJECTABLE

A clear, sterile, water-emulsifiable solution of d-alpha-tocopherol for use as an aid in the prevention and treatment of vitamin E deficiencies.

**Beef - Beef Calves - Dairy - Dairy Calves - Sheep - Swine**

**Active Ingredients:** 300 IU of vitamin E (as d-alpha-tocopherol, a natural source of vitamin E)

Inactive Ingredients: Benzyl Alcohol 2% (preservative) in a water emulsifiable base

Item Code	Size	Case
13577426	250 mL	12

## Vitamins & Minerals



### VITA-JEC® ESSENTIAL E-AD® INJECTABLE

A natural E-AD (vitamins A, D<sub>3</sub>, and E) injectable d-alpha-tocopherol with AD. Contains 300 IU of vitamin E (as d-alpha-tocopherol, a natural source of vitamin E); 100,000 IU vitamin A propionate, and 10,000 IU of vitamin D<sub>3</sub> per mL.

**Beef - Beef Calves - Dairy - Dairy Calves**

#### EACH ML CONTAINS ACTIVE INGREDIENTS:

Vitamin E (as d-alpha-tocopherol, a natural source of vitamin E)	300 IU
Vitamin A Propionate	100,000 IU
Vitamin D <sub>3</sub>	10,000 IU
Compounded with 2% Benzyl Alcohol (preservative) in a water emulsifiable base	

Item Code	Size	Case
21253877	250 mL	12

### VITA-JEC® ESSENTIAL E-AD BIOAVAILABILITY

It is challenging to maximize an animal's immune system so it can adequately respond to infectious threats. Vitamin E, a powerful antioxidant, can be a useful tool to ensure a robust immune response. Vitamin E may be inherently low in cattle consuming processed and stored feedstuffs, as vitamin E levels in these food sources are known to decline significantly over time. Cattle grazing poor quality hay and/or stressed pasture may also experience low vitamin E levels. The injectable form of vitamin E and vitamin A is an excellent way to quickly boost levels of these fat soluble vitamins.

Recent discussions have questioned the bioavailability of Aspen's Vita-Jec® Essential E-AD product. A recent study demonstrates that Vita-Jec® Essential E-AD has excellent bioavailability and reaches the animal's blood stream rather quickly after injection, as shown in the graphs below (Figures 1 and 2). Peak serum levels were obtained approximately 12 and 4 hours post product injection for vitamins E and A respectively.

As would be expected by the name, the vitamin E contained in Vita-Jec® Essential E-AD is a natural form of this vitamin (d-alpha-tocopherol) and is much more useful to the body. Natural vitamin E is not selectively excreted by the body, as may often be the case with synthetic vitamin E.

The excellent bioavailability of Vita-Jec® Essential E-AD, coupled with its other premier qualities (such as syringeability even in cold weather, decreased tissue irritation, long shelf life, and room temperature stability — even after being opened) makes Aspen's Vita-Jec® Essential E-AD the right choice for your injectable vitamin E, A, and D needs.

Aspen's products also offer a significant advantage in product storage and product dating. Due to our advanced surfactant system, natural vitamin E products are virtually unaffected by oxidizing influences of ultraviolet light, heat or oxygen. No refrigeration is ever necessary, even after opening.

Unlike the competition, Aspen's Vita-Jec® Essential E-AD uses a carrier that makes the product more soluble, less viscous and requires lower levels of emulsifiers and alcohol to be solubilized and syringeable.

#### Competitor Product Vital E®-A+D Caution Statement:

Caution(s): Not for human use. Keep out of reach of children. Do not exceed the recommended dosage. Anaphylactoid or allergic reactions, which have resulted in deaths, abortions, and /or premature births, have been reported in individual animals as well as entire herds. Should such reactions or hypersensitivity occur, treat immediately with injection of epinephrine and/or antihistamines. Do not add water to the solution.

Figure 1

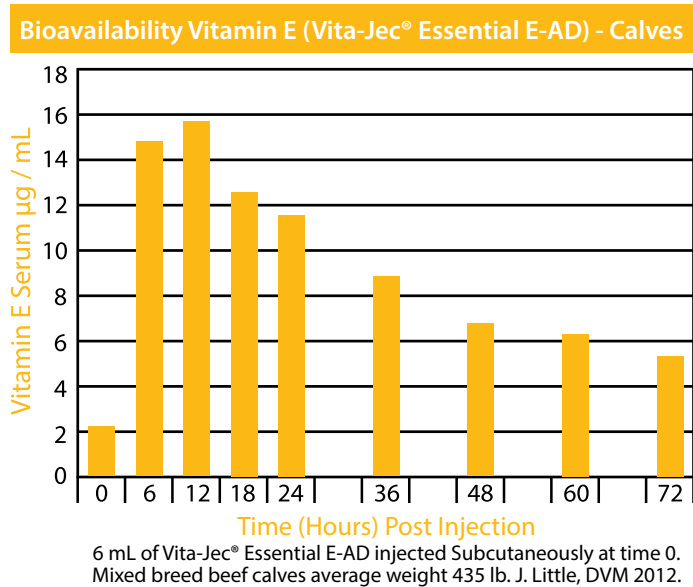
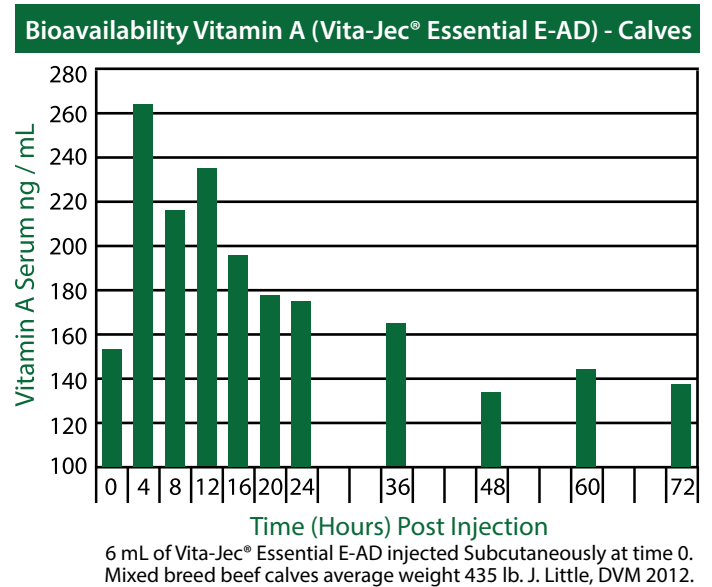


Figure 2



## VITA-JEC® ESSENTIAL E-AD

Vitamin E is a fat soluble vitamin associated with cell membranes. In tissues, the action of some enzymes and the auto-oxidation of unsaturated lipids results in the formation of hydrogen peroxide and lipid peroxides. Peroxides are highly reactive and form free radicals that damage proteins and other compounds.

Vitamin E functions to prevent the formation of free radicals, and therefore, prevents tissue damage. As a natural antioxidant, vitamin E is essential to the integrity and optimum function of the reproductive, muscular, circulatory, nervous and immune systems.

	Vita-Jec® Essential E-AD	VitalE®-A+D
Vitamin A propionate	✓	
Vitamin A palmitate		✓
Level of vitamin A activity	2.5 million I.U.s per gram	1.8 million I.U.s per gram
Anaphylactoid reactions	✓ (rare)	✓ (E-A+D caution statement)
24 month shelf life	✓	✓
Ethyl alcohol		✓ (20% v/v)
Less injection site irritation	✓	
Syringeable in cold weather	✓	
Pharmaceutical grade natural vitamin E	✓	
Bioavailability in less than 12 hours	✓	
No need to refrigerate	✓	
Made in USA	✓	
Made in Mexico		✓





# REPRODUCTION & NEWBORN CARE

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## Colostrum

# It's Just Right, It's Just Like Mom®

**Just Like Mom®** is conveniently packaged to provide ease of use when supplementing, enriching, or entirely replacing maternal colostrum. Each bag has 50 g IgG, making it simple to adjust dosing quantities for any circumstance.

### SUPPLEMENT

Supplement maternal colostrum when volume is low. Mix 1-2 bags of JLM to supplement quarts of high-quality colostrum.

**Great for calves born to first-calf heifers.**

JUST LIKE MOM®	WATER TO ADD	FINAL VOLUME
1 Bag (50 g IgG)	2.5 cups	1 quart
2 Bags (100 g IgG)	5 cups	2 quarts



## JUST LIKE MOM® BOVINE COLOSTRUM SUPPLEMENT

Just Like Mom® is a natural bovine colostrum and can be used to replace or supplement maternal colostrum as an aid in the treatment of failure of passive transfer (FPT) in newborn calves.

**Beef Calves - Dairy Calves**

**Active Ingredient: IgG ≥ 50 g/l**

Item Code	Size	Case
14980421	350 g	25

# It's Just Right Because It's Just Like Mom®.



**HIGH IN COLOSTRAL FAT**

**HEAT-TREATED AGAINST PATHOGENS**

**MADE WITH WHOLE COLOSTRUM LIKE COLOSTRX®**

**MORE THAN 85% IgG1 TO START YOUR CALVES OFF RIGHT**

**ENHANCED INSTANT MIX – MIXES IN SECONDS**

**UNIFORM COLOSTRAL FAT PROFILE TO PROVIDE ADEQUATE ENERGY**

**USDA VETERINARY BIOLOGICS LICENSED**

**CONVENIENT AND HAS THE LONGEST SHELF LIFE**

**GUARANTEED LEVEL OF IgG**

**BROAD SPECTRUM OF ANTIBODIES WITH DEMONSTRATED EFFICACY IN 4 CONTINENTS**

**PROVEN AND TESTED BY RESEARCH**

**THE SAFEST, FREE OF DISEASES TRANSFERRED FROM DAM TO CALF**



## Ketosis Treatment



### PROPYLENE GLYCOL, USP

Aids in prevention and treatment of ketosis (acetonemia) in dairy cattle.

Dairy

Active Ingredients: Propylene Glycol 100%

Item Code	Size	Case
21263343	1 G	4
21254767	55 G	1
21257475	275 G	1

# Better Herd Nutrition with Aspen





## Udder Health



### GLYCERIN 99.7%, USP

Glycerin is versatile and possesses a unique combination of physical and chemical properties and has been demonstrated to be suitable for use with teat spray. Useful as a topical sweating agent, for poultices to help remove fluids from inflamed and swollen areas, as well as for use as a skin softener.

**Beef - Dairy - Horse - Poultry - Sheep - Goat - Swine**

**Active Ingredients: Glycerin 99.7% USP**

Inactive Ingredients: Water <0.3%

Item Code	Size	Case
21262565	1 G	4
21277843	55 G	1



### UDDER CALM® SPRAYABLE LOTION FOR UDDERS

A mint formula spray to help maintain udder health in dairy cattle.

**Dairy**

Item Code	Size	Case
21257686	16 oz	12

## Udder Health

# Prevent Intramammary Infections with Aspen's Mastishield



### MASTISHIELD™

An aid in the prevention of new intramammary infection throughout the dry period by providing a malleable barrier in the teat canal.

#### Dairy

#### Key Benefits:

- Mimics the keratin plug, the cow's first line of defense against mastitis-causing bacteria
- Provides a safe, antibiotic-free, physical barrier between the udder and the environment
- Helps control mastitis during the dry period where more than 50% of early lactation *Escherichia coli* mastitis cases begin
- Compatible with conventional dry cow management practices
- Comes in easy to use 4 gram syringes containing 2.6 grams of bismuth subnitrate
- Two-stage tip allows flexibility when administering product to ensure proper sealant placement
- Zero milk withdrawal and zero meat withdrawal

Item Code	Size	Quantity	Case
21284510	4 g syringe	144s	1





# SUPPLIES

## Linens



### GREEN MICROFIBER TOWELS

Microfiber towels pick up more dust, dirt, and grime compared to cotton or paper towels. Will dry an animal's coat faster, wicking water and solutions away from the hair to dry quickly. Absorbs up to 7 times its weight.

Beef - Dairy - Sheep - Goat - Swine - Premises

Item Code	Size	Quantity	Case
14650711	12 in x 12 in	25s	8

# Aspen Microfiber Towels

## Absorbs up to 7 Times its Weight.



## Restraints



### AGRI-SHOCK® HANDLE + BATTERIES

Electric livestock handle with long battery life. Fits any size Agri-Shock® shafts. Output voltage of 8K-9K V.

Beef - Dairy - Sheep - Goat - Swine

### AGRI-SHOCK® FLEXIBLE SHAFTS

A durable electric livestock prod with powerful output. Flexible shaft works when wet or grounded.

Item Code	Size/Item	Case
12276618	23" SHAFT	1
12277618	28" SHAFT	1
12278618	33" SHAFT	1
12279618	43" SHAFT	1
12271618	PROD, HANDLE UNIT	1

AGRI-SHOCK®

## Durable, Waterproof, & Easy to Use

- › Long battery life
- › Reinforced collar nut



› 4 flexible shafts available

- › Powerful output
- › No residual charge

## Stomach/GI Instruments

### MAGNACOW®

For use in dairy or beef cows to prevent hardware disease.

Beef - Dairy



### MAGNACOW® BLOCK MAGNETS

Item Code	Case
21264352	1
21264349	12s



### MAGNACOW® RING MAGNETS

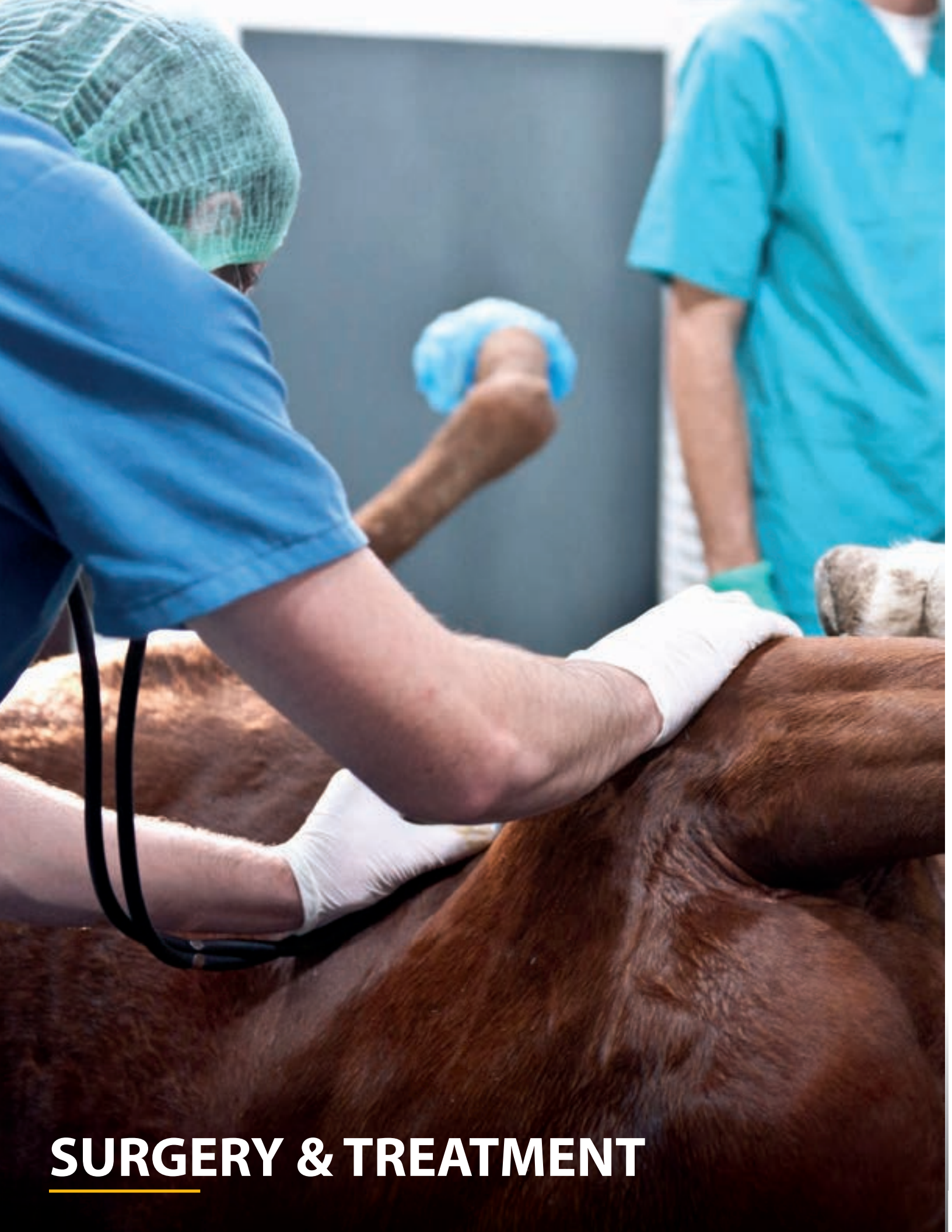
Item Code	Case
21264353	1
21264350	12s



### MAGNACOW® STAINLESS STEEL MAGNETS

Item Code	Case
21264354	1
21264351	12s





## **SURGERY & TREATMENT**



## Suture

# The Aspen Difference - Unparalleled Wound Care

At Aspen, we understand that choosing the right suture is unique to each practice and the veterinarians who use them daily. Designed specifically for veterinarians, Aspen offers a diverse selection of swaged sutures. Our absorbable and non-absorbable suture profiles provide veterinarians with wound closure options that reduce the risk of infection and promote healing.

### Exceptional Quality

Aspen sutures come with proprietary 300 series stainless steel needles, making them more durable and less brittle than other suture products. Our needles are designed to meet the demands of procedures involving different tissue types.

### Purposeful Packaging

Aspen sutures are sold in economical boxes of 12 to reduce waste and manage inventory costs.

### Made in the USA

Aspen sutures are proudly manufactured in the USA, in an environmentally conscious FDA-registered facility with class 10,000 ISO-7 clean rooms to ensure sterility and product shelf life.



# SURGERY & TREATMENT

## Suture

### ASPEN SUTURE PACKAGING

Every aspect of Aspen's Economy Suture line was designed with the end user – our valued customers – in mind. Our suture boxes are industry color coded for easy identification and each box clearly identifies the contents inside.

These sutures stand up to Aspen's brand values – to provide cost-effective solutions without compromising quality.



**COLOR CODED PACKAGING**  
Matching the industry standards.

## Suture

### SUTURE PACKAGING FEATURES



#### Suture Box

- Industry color coded for easy identification
- Easy to open box with over-wrap pull tab for effortless opening
- Made from recyclable materials

#### Suture Peel Pouch

- Foil pouch offers complete moisture and UV barrier
- Easy to open peel design
- Individual foil pouch to reduce waste and steps to get product onto a sterile field



### EASY TO USE

Aspen Economy Sutures are as easy to use as 1, 2, 3.





# SURGERY & TREATMENT

## Suture

### Suture Product Name

#### ECO-CRYL™ PGLA

- Coated
- Braided
- Polyglactin 910 (PGLA)
- Synthetic Absorbable Suture
- Suture color: Violet

All Species



### Material Comparison

Covidien | Polysorb<sup>^</sup>  
Ethicon | Vicryl\*  
Henry Schein | PGA<sup>^^</sup>  
VetOne | One-Sorb<sup>\*\*</sup>  
VPL | Polymend ES<sup>^^^</sup>

#### ECO-MAX™ PDO

- Monofilament
- Polydioxanone (PDO)
- Synthetic Absorbable Suture
- Suture color: Violet

All Species



Covidien | Maxon<sup>^</sup>  
Ethicon | PDS II\*  
Henry Schein | Monosorb<sup>^^</sup>  
VetOne | One-Dox<sup>\*\*</sup>  
VPL | Monomend Max<sup>^^^</sup>

#### ECO-LON™ NYLON

- Monofilament Nylon
- Non-Absorbable Suture
- Suture color: Blue

All Species



Covidien | Monosof<sup>^</sup>  
Ethicon | Ethilon\*  
Henry Schein | Monofil<sup>^^</sup>  
VetOne | One-Lon<sup>\*\*</sup>  
VPL | NY-STA<sup>^^^</sup>

#### ECO-WEB™ PGCL







- Monofilament
- Poliglecaprone 25 (PGCL)
- Synthetic Absorbable Suture
- Suture color: Violet

All Species



Covidien | Caprosyn/Biosyn<sup>^</sup>  
Ethicon | Monocryl\*  
Henry Schein | Sorbocryl<sup>^^</sup>  
VetOne | One-Cryl<sup>\*\*</sup>  
VPL | Monomend MT<sup>^^^</sup>

## Suture

Description	Item Code	Needle Type	Material	Suture Color	Size	Length	Mfg Code	Quantity
<b>ECO-CRYL™   PGLA</b>								
<b>CP-1</b> 36 mm ½ circle								
	21293334	▽ Reverse Cutting	Braided	Violet	0	30 in (75 cm)	AB-V467	12s
<b>CT-1</b> 36 mm ½ circle								
	21293324	⊙ Taper Point	Braided	Violet	2-0	30 in (75 cm)	AB-V339	12s
<b>CT-2</b> 26 mm ½ circle								
	21293322	⊙ Taper Point	Braided	Violet	2-0	30 in (75 cm)	AB-V333	12s
	21293321	⊙ Taper Point	Braided	Violet	3-0	30 in (75 cm)	AB-V332	12s
<b>FSL</b> 30 mm ⅔ circle								
	21293338	▽ Reverse Cutting	Braided	Violet	0	30 in (75 cm)	AB-V587	12s
<b>FS-1</b> 24 mm ⅔ circle								
	21293330	▽ Reverse Cutting	Braided	Violet	2-0	30 in (75 cm)	AB-V453	12s
	21293329	▽ Reverse Cutting	Braided	Violet	3-0	30 in (75 cm)	AB-V452	12s
<b>FS-2</b> 19 mm ⅔ circle								
	21293328	▽ Reverse Cutting	Braided	Violet	3-0	30 in (75 cm)	AB-V398	12s
	21293327	▽ Reverse Cutting	Braided	Violet	4-0	30 in (75 cm)	AB-V397	12s

\*Ethilon, Monocryl, PDS II, and Vicryl are trademarks, or registered trademarks of Ethicon Inc.

\*\*One-Cryl, One-Dox, One-Lon, and One-Sorb are trademarks, or registered trademarks of MWI Veterinary Supply Co.








^Caprosyn/Biosyn, Maxon, Monosof, and Polysorb are trademarks, or registered trademarks of Covidien

^^Monosorb, Monofil, PGA, and Sorbocryl are trademarks, or registered trademarks of Henry Schein Animal Health

^^^Monomend MT, Monomend Max, NY-STA, and Polymend ES are trademarks, or registered trademarks of VPL




# SURGERY & TREATMENT

## Suture

Description	Item Code	Needle Type	Material	Suture Color	Size	Length	Mfg Code	Quantity
<b>ECO-MAX™   PDO</b>								
<b>CP-1</b> 36 mm ½ circle 	21293303	▽ Reverse Cutting	Monofilament	Violet	0	30 in (75 cm)	AB-D467	12s
	21293304	▽ Reverse Cutting	Monofilament	Violet	1	30 in (75 cm)	AB-D468	12s
	21293302	▽ Reverse Cutting	Monofilament	Violet	2-0	30 in (75 cm)	AB-D466	12s
<b>CP-2</b> 26 mm ½ circle 	21293307	▽ Reverse Cutting	Monofilament	Violet	0	30 in (75 cm)	AB-D970	12s
	21293306	▽ Reverse Cutting	Monofilament	Violet	2-0	30 in (75 cm)	AB-D969	12s
<b>CT-1</b> 36 mm ½ circle 	21293297	⊙ Taper Point	Monofilament	Violet	0	30 in (75 cm)	AB-D340	12s
	21293296	⊙ Taper Point	Monofilament	Violet	2-0	30 in (75 cm)	AB-D339	12s
<b>CT-2</b> 26 mm ½ circle 	21293295	⊙ Taper Point	Monofilament	Violet	0	30 in (75 cm)	AB-D334	12s
	21293294	⊙ Taper Point	Monofilament	Violet	2-0	30 in (75 cm)	AB-D333	12s
	21293293	⊙ Taper Point	Monofilament	Violet	3-0	30 in (75 cm)	AB-D332	12s
<b>FS-1</b> 24 mm ⅔ circle 	21293300	▽ Reverse Cutting	Monofilament	Violet	2-0	30 in (75 cm)	AB-D451	12s
	21293301	▽ Reverse Cutting	Monofilament	Violet	3-0	30 in (75 cm)	AB-D452	12s
<b>FS-2</b> 19 mm ⅔ circle 	21293299	▽ Reverse Cutting	Monofilament	Violet	3-0	30 in (75 cm)	AB-D398	12s
	21293298	▽ Reverse Cutting	Monofilament	Violet	4-0	30 in (75 cm)	AB-D397	12s
<b>SH</b> 26 mm ½ circle 	21293292	⊙ Taper Point	Monofilament	Violet	2-0	30 in (75 cm)	AB-D317	12s
	21293291	⊙ Taper Point	Monofilament	Violet	3-0	30 in (75 cm)	AB-D316	12s
	21293290	⊙ Taper Point	Monofilament	Violet	4-0	30 in (75 cm)	AB-D315	12s



## Suture

Description	Item Code	Needle Type	Material	Suture Color	Size	Length	Mfg Code	Quantity
<b>ECO-LON™   NYLON</b>								
<b>FS 26 mm ⅜ circle</b> 	21293179	▽ Reverse Cutting	Monofilament Nylon	Blue	2-0	30 in (75 cm)	AB-664BL	12s
<b>FS-1 24 mm ⅜ circle</b> 	21293178	▽ Reverse Cutting	Monofilament Nylon	Blue	3-0	30 in (75 cm)	AB-663BL	12s
<b>FS-2 19 mm ⅜ circle</b> 	21293177	▽ Reverse Cutting	Monofilament Nylon	Blue	4-0	30 in (75 cm)	AB-662BL	12s


# Precision Every Time

## with Aspen



# SURGERY & TREATMENT

## Suture

Description	Item Code	Needle Type	Material	Suture Color	Size	Length	Mfg Code	Quantity
<b>ECO-WEB™   PGCL</b>								
<b>CP-1</b> 36 mm ½ circle								
	21293316	 Reverse Cutting	Monofilament	Violet	0	36 in (90 cm)	AB-Q967	12s
<b>CT-1</b> 36 mm ½ circle								
	21293311	 Taper Point	Monofilament	Violet	2-0	36 in (90 cm)	AB-Q345	12s
	21293310	 Taper Point	Monofilament	Violet	3-0	36 in (90 cm)	AB-Q344	12s
<b>FSL</b> 30 mm ¾ circle								
	21293317	 Reverse Cutting	Monofilament	Violet	0	36 in (90 cm)	AB-Q987	12s
<b>FS-1</b> 24 mm ¾ circle								
	21293315	 Reverse Cutting	Monofilament	Violet	2-0	36 in (90 cm)	AB-Q943	12s
	21293314	 Reverse Cutting	Monofilament	Violet	3-0	36 in (90 cm)	AB-Q942	12s
<b>FS-2</b> 19 mm ¾ circle								
	21293313	 Reverse Cutting	Monofilament	Violet	3-0	36 in (90 cm)	AB-Q923	12s
	21293312	 Reverse Cutting	Monofilament	Violet	4-0	36 in (90 cm)	AB-Q922	12s
<b>SH</b> 26 mm ½ circle								
	21293309	 Taper Point	Monofilament	Violet	3-0	30 in (75 cm)	AB-Q316	12s

# Aspen Sutures

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1

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Aspen  
Eco-suture

2

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the sutures with  
our risk-free  
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3

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sales specialist  
about ordering



Aspen's Economy Sutures are designed specifically for animal health professionals who value quality and affordability. These sutures are backed by a 100% risk-free guarantee so if you are dissatisfied with the performance in any way, contact your sales representative for a full refund.

## Try your first box today!

# SURGERY & TREATMENT

Procedure Type	Economy Suture Choices	Also Possible	SUTURE OPTIONS				
			ANIMAL WEIGHT (lb)				
			15	20	25	30	35
Ligatures	ECO-WEB™, ECO-CRYL™, ECO-MAX™		4-0	4-0 or 3-0		3-0	
Linea Alba	ECO-WEB™ (young) ECO-MAX™ (adult)	ECO-CRYL™		3-0 FS-1, FS-2, CT-2, CT-3, SH, CP-2			+ 3-0 or 2-0 →
Intradermal Closure	ECO-WEB™, ECO-CRYL™			4-0 FS-2			+ 4-0 or 3-0 →
Subcutaneous Closure	ECO-WEB™, ECO-CRYL™	ECO-MAX™		4-0 SH, FS-2			+ 4-0 or 3-0 →
Skin Closure	ECO-LON™		4-0 FS-2			+ 4-0 or 3-0 →	3-0 FS-1
Abscesses (Drain)		ECO-LON™				3-0 FS-1	
Anal Sacculectomy	ECO-WEB™	ECO-CRYL™	4-0 FS-2				+ 4-0 or 3-0 →
Biopsies	ECO-LON™	ECO-WEB™, ECO-MAX™	4-0 FS-2				+ 4-0 or 3-0 →
Castration / Cryptorchid	ECO-WEB™, ECO-CRYL™		Cat (none)	3-0 FS-1, FS-2, SH		+ 3-0 or 2-0 →	2-0 CP-1, FS-1, FSL
Celiotomy	ECO-WEB™ (young) ECO-MAX™ (adult)	ECO-CRYL™		3-0 FS-1, FS-2, CT-2, SH, CP-2			+ 3-0 or 2-0 →
Cesarean Section	ECO-MAX™	ECO-WEB™	4-0 SH	+ 4-0 or 3-0 →			3-0 SH, CT-2
Cranial Cruciate Ligament	ECO-MAX™		3-0 SH, CT-2	+ 3-0 or 2-0 →			2-0 CP-1, CP-2, CT-1, CT-2, SH
Cystotomy	ECO-WEB™					+ 4-0 or 3-0 →	
Dental / Oral Cavity		ECO-WEB™, ECO-CRYL™				+ 5-0 or 4-0 →	
Enucleation	ECO-WEB™, ECO-CRYL™					3-0 CT-1, CT-2, CT-3	
Gastric Torsion (gastropexy)	ECO-MAX™			3-0 SH, CT-2			+ 3-0 or 2-0 →
Gastrotomy / Enterotomy	ECO-WEB™, ECO-MAX™		4-0 SH			+ 4-0 or 3-0 →	
Hernia (umbilical/inguinal)	ECO-MAX™ (recurrent)		3-0 SH, CT-2			+ 3-0 or 2-0 →	2-0 CT-1, CT-2, SH
Intestinal Resection / Anastomosis	ECO-WEB™, ECO-MAX™		4-0 SH			+ 4-0 or 3-0 →	
Laceration / General Wound	ECO-MAX™ (internal) ECO-CRYL™ (muscular)	ECO-WEB™	4-0 FS-2	+ 4-0 or 3-0 →			3-0 FS-2, FS-1
Lumpectomy	ECO-WEB™ (internal) ECO-MAX™ (muscular)		4-0 SH	+ 4-0 or 3-0 →			3-0 SH, CT-1, CT-2
Mastectomy	ECO-MAX™		4-0 SH	+ 4-0 or 3-0 →			3-0 SH, CT-2
Ovariohysterectomy (OHE)	ECO-WEB™, ECO-CRYL™			3-0 FS-1, FS-2, CT-1, CT-2, CT-3, SH		+ 3-0 or 2-0 →	2-0 CT-1, CT-2, FS-1, FSL, CP-1, SH
Splenectomy	ECO-WEB™, ECO-CRYL™		4-0 FS-2			+ 4-0 or 3-0 →	



# SURGERY & TREATMENT

SUTURE OPTIONS (cont.)							
ANIMAL WEIGHT (lb) (cont.)							
40	45	50	55	60	65	70	75 +
3-0		+ 3-0 or 2-0 +		2-0		2-0 or 0	
2-0 SH, CT-1, CT-2, CP-1, CP-2, FS-1, FSL	+ 2-0 or 0 +		0 FSL, CP-1, CP-2, CT, CT-2, CTX		+ 0 or 1 +		1 CT-1, CP-1
3-0 FS-1, FS-2			+ 3-0 or 2-0 +		2-0 CP-1, FS-1, FSL		
3-0 SH, CT-2			+ 3-0 or 2-0 +		2-0 CT-1, CT-2, SH		
3-0 FS-1	+ 3-0 or 2-0 +		2-0 FS				
3-0 FS-1	+ 3-0 or 2-0 +				2-0 FS		
				3-0 FS-1			
				3-0 FS-1			
2-0 CP-1, FS-1, FSL		+ 2-0 or 0 +		0 CP-1		+ 0 or 1 +	
2-0 SH, CT-1, CT-2, FS-1	+ 2-0 or 0 +		0 FSL, CP-1, CT-1, CT-2		+ 0 or 1 +		1 CP-1
3-0 SH, CT-2	+ 3-0 or 2-0 +		2-0 SH, CT-2, CT-1		+ 2-0 or 0 +		0 CT-1, CT-2
2-0 CP-1, CP-2, CT-1, CT-2, SH			+ 2-0 or 0 +		0 CT-1, CT-2, CP-1, CP-2		
+ 4-0 or 3-0 +		3-0 CT-1, SH		+ 3-0 or 2-0 +		2-0 CT-1	
+ 5-0 or 4-0 +		4-0 FS-2		+ 4-0 or 3-0 +		3-0 FS-1, FS-2	
		+ 3-0 or 2-0 +		+ 3-0 or 2-0 +		2-0 FS-1	
3-0 CT-1, CT-2, CT-3							
+ 3-0 or 2-0 +		2-0 CT-1, CT-2, SH					
3-0 SH, CT-1, CT-2			+ 3-0 or 2-0 +		2-0 SH, CT-1, CT-2		
2-0 CT-1, CT-2, SH		+ 2-0 or 0 +		0 CT-1, CT-2		+ 0 or 1 +	
3-0 CT-2, SH			+ 3-0 or 2-0 +		2-0 SH, CT-1, CT-2		
3-0 FS-2, FS-1	+ 3-0 or 2-0 +		2-0 FS-1, FSL				
3-0 SH, CT-1, CT-2	+ 3-0 or 2-0 +		2-0 SH, CT-1, CT-2				
3-0 SH, CT-2	+ 3-0 or 2-0 +		2-0 SH, CT-1, CT-2				
2-0	+ 2-0 or 0 +		0 FSL, CP-1, CT-1, CT-2		+ 0 or 1 +		1 CT-1, CP-1
3-0 FS-1, FS-2, SH, CT-2, CT-3			+ 3-0 or 2-0 +		2-0 FSL, CP-1, FS-1, CT-1, CT-2, SH		



## **Committed to Quality.** **Dedicated to Dairy** **Animal Health.**

At Aspen Dairy Solutions, we're committed to helping producers harvest higher quantities and higher quality milk to help you achieve your milk premiums.

We understand that establishing and managing a quality udder health care program can maximize milk quality, lower costs, and increase profits for your business.

Aspen's broad range of dairy cleaners, sanitizers, pre- & post-teat dips, udder care and specialty products provide the performance dairy farmers need to help fight bacteria, prevent mastitis, and maintain excellent herd health.

Our products are always of the highest quality and tailored specifically with our valued customers in mind.

When you buy Aspen, you're buying the very best.



## Basic Cleaning Chemistry.

Various organic and mineral soils can form on equipment surfaces. If not completely removed, they provide a means for bacteria to grow and multiply. The result is low-quality milk with high bacteria counts. For the producers, that can mean loss of quality premiums and market loss. For the processors, poor quality milk can lead to decreases in yield and quality, production delays, and loss of product. For consumers, it can mean off flavors, short shelf life, and possible food poisoning. For the dairy industry, it means a tainted reputation.

Effectively cleaning and sanitizing milking equipment is an important factor in achieving high-quality milk.

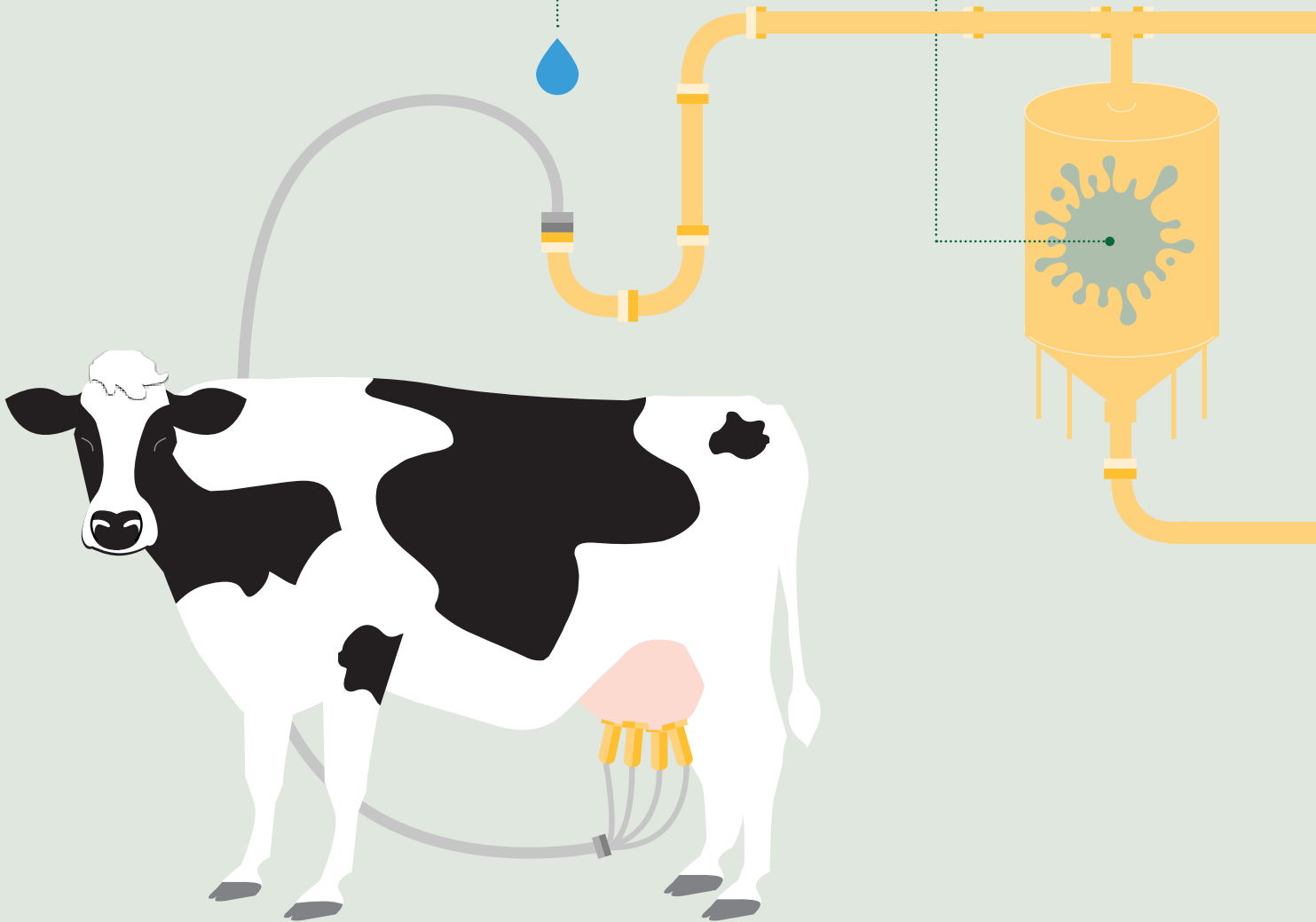
### 5 FACTORS IMPACT THE CHOICE OF DETERGENTS & THE SANITATION PROCESS

#### 1 WATER QUALITY

- Hardness
- pH
- Iron and manganese
- Microorganisms
- Chlorination

#### 2 TYPE AND NATURE OF THE SOIL TO BE REMOVED

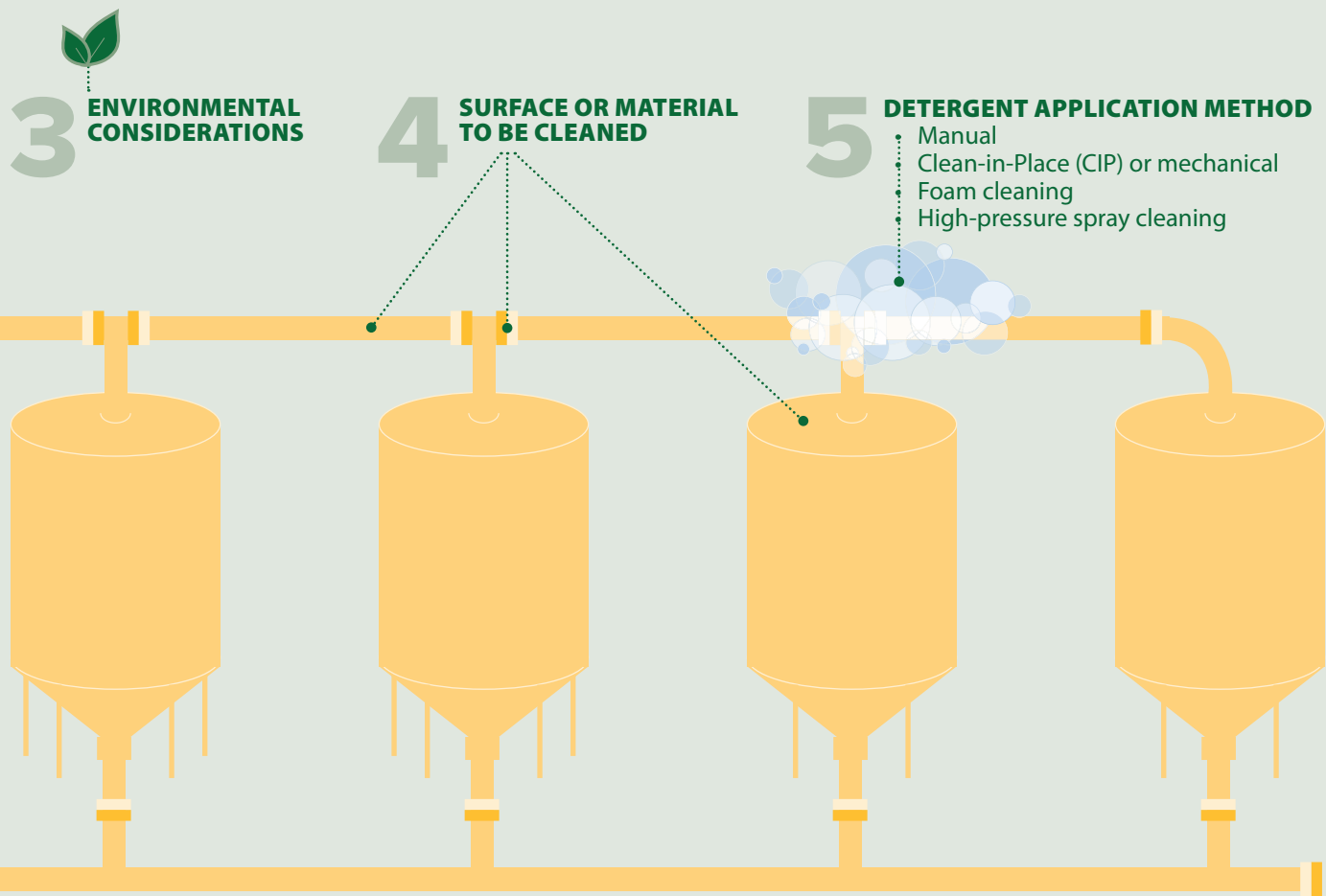
- Organic
- Proteins
- Fats
- Sugars
- Inorganic or mineral



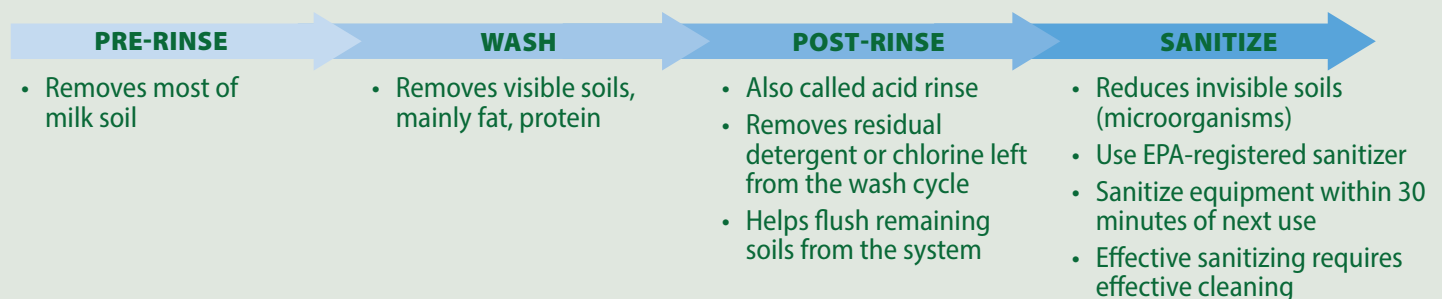


With the variety of product choices, a basic understanding of cleaners and sanitizers is beneficial to achieving the goal.

There are interrelated factors that impact the effectiveness of a cleaning and sanitizing program, such as concentration, time, temperature, and mechanical force (turbulence). Components of detergent like surfactants, builders and fillers combine to create a successful cleaning structure. It is important to understand the basics of cleaning chemistry – the cleaning steps and factors that impact effective cleaning. To make the right choice on which products work best for your situation, consult your Animal Health International representative.



## THE FOUR-BY-FOUR FORMULA CLEANING & SANITIZING MILKING EQUIPMENT'S FOUR DISTINCT STEPS





**INDEX**

# ACTIVE INGREDIENTS

<u>Active Ingredient</u>	<u>Product</u>	<u>Species</u>
<b>Amprolium</b>	Cocci-Cure® C 9.6%	Beef Calves, Dairy Calves
	Cocci-Cure® P 9.6%	Poultry
<b>Calcium</b>	All-In-One Cattle Bolus	Beef, Dairy
	Amcalcilyte Forte	Beef, Dairy
	Amino Acid	Beef, Horse, Sheep, Swine
	Amino Acid Concentrate	Beef, Horse
	Bovi Fresh®	Dairy
	Cal "62" Plus Gel	Dairy
	Cal Dex CMPK	Beef
	Cal Ox 64 SE Gel	Dairy
	Calcium Drench with Vitamins	Dairy
	Calcium Gluconate 23% Solution	Beef, Beef Calves
	CMPK Oral Solution	Beef, Dairy
	Glucaminolyte Forte	Beef, Dairy
	Lactated Ringer's Solution	Beef, Beef Calves, Dairy, Dairy Calves, Horses, Sheep, Swine
	Mega CMPK Bolus	Beef, Dairy, Horse, Sheep, Swine
	Milk Fever CP™	Beef, Dairy, Horses, Sheep
	Mineral Max® Recharge	Beef, Beef Calves, Dairy, Dairy Calves
	Mor-Max® Goat Dewormer	Goat
	Oral CMPK Gel	Dairy
	Vetalyte® Plus IV	Beef, Horse, Sheep, Swine
	<b>Dextrose</b>	Amcalcilyte Forte
Amino Acid		Beef, Horse, Sheep, Swine
Amino Acid Concentrate		Beef, Horse

# ACTIVE INGREDIENTS

<u>Active Ingredient</u>	<u>Product</u>	<u>Species</u>
<b>Dextrose (continued)</b>	Aspirin Bolus	Beef, Beef Calves, Dairy, Dairy Calves, Horse
	Bismusal® Suspension	Beef, Beef Calves, Horse, Dog
	Cal Dex CMPK	Beef
	CMPK Oral Solution	Beef, Dairy
	Comeback® Replenish	Beef Calves, Dairy Calves, Horse, Sheep
	Dextrose Solution	Beef
	Glucaminolyte Forte	Beef, Dairy
	Milk Fever CP™	Beef, Dairy, Horses, Sheep
	Vetalyte® Plus IV	Beef, Horse, Sheep, Swine
<b>Enrofloxacin</b>	Quellaxin®	Beef, Swine
<b>Flunixin meglumine</b>	VetaMeg® for Injection	Beef, Dairy, Horse
	VetaMeg® Paste	Horse
<b>Ivermectin</b>	Ivermax® Injection 1%	Beef, Swine
	Ivermax® Plus	Beef
	Ivermax® Pour-On	Beef
<b>Lactobacillus acidophilus</b>	All-In-One Cattle Bolus	Beef, Dairy
	BP-1® Maximum Probiotic Paste	Beef, Beef Calves, Dairy, Dairy Calves
	BP-1® Probiotic & Dietary Paste	Beef, Beef Calves, Dairy, Dairy Calves
	Good Start® Calf Paste	Beef Calves, Dairy Calves
	Micromaster® Maxi Bovine Paste (No Vitamin E)	Beef, Beef Calves, Dairy, Dairy Calves
	Micromaster® Maxi Bovine Paste	Beef, Beef Calves, Dairy, Dairy Calves
	Micromaster® Multi-Species Probiotic Paste	Beef, Beef Calves, Dairy, Dairy Calves, Horse, Sheep, Goat, Swine



<b><u>Active Ingredient</u></b>	<b><u>Product</u></b>	<b><u>Species</u></b>
<b>Lactobacillus acidophilus</b> (continued)	Mineral Max® Ultra Paste	Beef, Beef Calves, Horse
	Sure-Start® Plus Paste	Beef, Beef Calves, Dairy, Dairy Calves
<b>Oxytetracycline</b>	Terra-Vet® 200	Beef, Beef Calves, Dairy, Dairy Calves, Swine
<b>Permethrin</b>	Exit® Gold Synergized	Beef, Beef Calves, Dairy, Dairy Calves, Horse, Sheep
	Exit® II Synergized	Beef, Beef Calves, Dairy, Dairy Calves, Sheep, Swine
	Screw Worm Aerosol	Beef, Dairy, Horse, Sheep, Goat, Swine, Premise
<b>Pyrethrin</b>	Fly Zap® Aerosol Insecticide	Beef, Dairy, Horse, Swine, Poultry, Premises
	Fly Zap® Plus Aerosol Insecticide	Beef, Dairy, Horse, Swine, Poultry, Premises
	Fly Zap® Indoor Fogger	Premises
<b>Sulfadimethoxine</b>	Sulfadimethoxine 12.5%	Beef, Dairy, Poultry
	Sulfadimethoxine Injection 40%	Beef, Dairy
	Supra Sulfa® III	Beef, Dairy
<b>Vitamin E</b>	All-In-One Cattle Bolus	Beef, Dairy
	Bovi® Fresh	Dairy
	BP-1® Encapsulator	Beef, Dairy
	Cal Ox 64 SE Gel	Dairy
	Calcium Drench with Vitamins	Dairy
	Good Start® Calf Paste	Beef Calves, Dairy Calves
	Mineral Max® Recharge	Beef, Beef Calves, Dairy, Dairy Calves
	Mineral Max® Ultra Paste	Beef, Beef Calves, Horse
	Oral Keto Energel Nutritional Supplement	Dairy, Dairy Calves
	Udder Calm®	Dairy
	Vita-Jec® Essential E-300 Injectable	Beef, Beef Calves, Dairy, Dairy Calves, Sheep, Swine
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Paste + Vitamin E

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