

# HERD-MANAGEMENT SOLUTIONS



CALF CARE

COW CARE

DIAGNOSTIC  
TESTS &  
SUPPLIES

EAR TAGS

PEST  
CONTROL

GET MORE  
FROM  
**YOUR**  
HERD'S HEALTH.

REPRODUCTION  
TOOLS



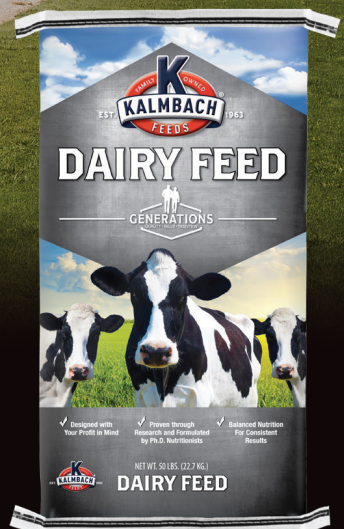
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YOU**

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Look for the icon next to the product name.



MAY BE USED IN ORGANIC PRODUCTION. VERIFY WITH CERTIFIER PRIOR TO USE.



CERTIFIED ORGANIC

# GET MORE FROM YOUR HERD'S HEALTH.

Prevent and mitigate common, costly health challenges like mycotoxin exposure, heat stress, high SCC, and scours. Convenient access to proven solutions support your herd's wellness and productivity.



### How to Scan QR Codes:

1. Open camera app
2. Point camera to QR code
3. Click the link

To order, contact your CentralStar team member, call 800.631.3510, or scan the QR code (left) to order online at [www.mycentralstar.com](http://www.mycentralstar.com).



## CentralStar

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# CALF PRODUCTS



## Calf Direct-Fed Microbials

### CONVERT™ Gel

Contains beneficial bacteria and egg-based specialized proteins which assists in the reduction of scour-causing organisms by altering their growth environment. Antibiotic-free. Use at birth or when calves are lethargic, not eating or doing poorly.

**AC9057 - Single Dose 15cc**

**AC9006 - Multi Dose 60cc**

**\$7.50**

**\$18.00**



### CONVERT™ Bolus

Same properties as CONVERT Gel, concentrated in a bolus form. Administer 1 bolus at birth or during times of increased challenge.

**AC9041 - Day One Calf Bolus 40ct**

**AC11007 - Day One Calf Bolus 10ct**

**AC11009 - Calving Season Bolus 10ct**

**\$190.00**

**\$53.00**

**\$33.00**



### CONVERT™ BIG Calf Powder

Assists calves from birth through weaning while consuming milk or milk replacer. Beneficial bacteria and egg-based specialized proteins improve nutrient absorption, restrict pathogen growth, enhance immune function and stimulates starter-feed intake. Mix 5g with colostrum or milk for same benefits as 15ml of CONVERT Gel.

**AC9058 - 12.5lb pail**

**AC9059 - 2.2lb jar**

**\$560.00**

**\$124.00**



### Tri-Mic WD

A probiotic source to improve digestive microflora. Promotes the early establishment of beneficial digestive bacteria necessary for proper digestion of milk and grain diets. Aids in rumen development when transitioning to a dry feed diet. Reduces the occurrence and severity of scours and helps re-establish digestive bacteria following antibiotic treatment, illness or environmental stress.

**A0048 - 500gram**

**A0049 - 5kg**

**\$23.50**

**\$189.50**



### Tri-Start Jr.+ Paste

Helps stimulate feed intake during periods of change. Contains live, viable, naturally occurring microorganisms, a short-chain fatty acid, egg protein (IgY), vitamins and selenium. Enhances the environment of the digestive tract which activates the naturally occurring beneficial digestive microbes.

**A0622 - Single Dose 15cc**

**A0623 - Multi Dose 60cc**

**A0651 - Multi Dose 300 cc**

**A0551 - 300 cc Paste Tube Applicator**

**\$7.75**

**\$78.00**

**\$79.00**

**\$31.00**



### Tri-Start Jr. - Maroon Bolus

A direct-fed microbial bolus that benefits both the rumen and intestinal tract of calves. Each capsule has a guaranteed viable (live) count of 20 billion colony forming units (CFU) of naturally occurring microorganisms. Helps to stimulate feed intake during periods of change. Contains beneficial microbes to jump-start a calf's stalled digestive system.

**A0052 - 36ct**

**\$48.00**



### Select BioCycle Showcase Formula™

Concentrated form of BioCycle supplemented with increased enzyme levels and Bacillus, which is shown to improve calf growth. Contains two separate L-form bacteria that enhance the function and population of the microflora in the lower gut. Contains both yeast culture and live cell yeast that produce a range of metabolites including B-vitamins, broad-based enzyme package, specialized proteins, microbial sugars and potassium iodide.

**AC9300 - 12.5lb**

**- 10+ Pails**

**\$175.00**

**\$161.00**



**SAFE, SIMPLE, AND EASY-TO-USE  
TO SANITIZE AND DISINFECT YOUR FARM**



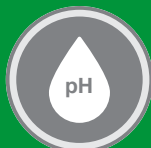
**SAFE**

Safe enough for  
disinfecting livestock  
drinking water



**POWERFUL**

Kills a  
wide-range  
of pathogens



**PH-NEUTRAL**

Less-corrosive  
and less-toxic  
than alternatives

SCAN TO  
LEARN  
MORE





**SCOURING DAIRY CALVES  
TREATED WITH ANTIBIOTICS  
GAVE 1,086 LBS.  
LESS MILK  
DURING THEIR FIRST LACTATION.\***



**CALF  
SCOURS  
PROTOCOL**



**CALF  
DEVELOPMENT  
PROTOCOL**

## Which supplement is right for your calves?

When a calf is born there is an immediate and constant barrage of environmental challenges trying to “destroy” your newest and most promising genetic investment. How much support do your calves need? Below are solutions to address the light (●), moderate (●), and heavy (●) challenges your calves face.

	AT BIRTH	IMMUNE SUPPORT	APPETITE ENHANCER	DEHYDRATION	TRANSITION	SCOURS	STRESS (VACCINATION, DEHORNING, TRANSPORT, ETC)	BEEF	SHOW ANIMALS
<b>CONVERT Day One Calf Gel</b>	●	●	●	●	●	●	●	●	●
<b>CONVERT Day One Calf Bolus</b>	●	●	●	●	●	●	●	●	●
<b>CONVERT Calving Season Bolus</b>	●	●	●	●	●	●	●	●	●
<b>CONVERT BIG Calf</b>	●	●	●	●	●	●	●	●	●
<b>BioCycle Showcase</b>		●	●		●		●		●
<b>AccelAIRate</b>		●	●			●	●	●	
<b>Accel Energy (cold weather support)</b>		●					●		
<b>Accel RS</b>		●	●	●		●			
<b>Calf Accelyte</b>			●	●		●	●		●
<b>First 21</b>		●				●	●		
<b>First Day Formula Colostrum Replacer</b>	●	●	●						
<b>First Day Formula Colostrum Replacer Deluxe</b>	●	●	●						
<b>First Day Formula Colostrum Supplement</b>	●	●	●						
<b>Tri-Mic WD</b>			●		●	●	●	●	●
<b>Tri-Purify</b>						●			
<b>Tri-Start Jr</b>		●	●	●	●	●	●	●	●
<b>Tri-Start Jr Plus</b>	●	●	●	●	●	●	●	●	●

\*Dairy Calf Management Practices Impact Future Production, University of Kentucky, Donna M. Amaral-Phillips.

# Supplements

## First 21™

Bridge the immunity gap during the first three weeks of life. Available as a complete milk replacer or nutritional supplement. Incorporates three natural sources of antibodies (plasma, egg yolk, and colostrum) to promote gut health and immune support.

**A0080 - Complete Milk Replacer 50lb**

**A0083 - Supplement 20lb**



**\$84.00**

**\$221.50**

## Tri-Purify - Blue Bolus

Dietary feed supplement that provides pure, natural essential oils that have a strong antibacterial effect to improve the natural immune system. Combines live, naturally occurring microorganisms to enhance the environment of the digestive tract. Tri-Purify also contains nutraceuticals, intestinal bacteria and live cell yeast; all of which can attribute to a reduction in the severity and occurrence of scours.



**A0051 - 36ct**

**\$89.50**

## Accel Whole Milk Protein Pivot

A pasteurized whole milk (PWM) balancer to be added to PWM and fed to pre-weaned calves. Protein Pivot allows for optimizing PWM by increasing the solids percent to achieve dry matter intake target goals, shifts the protein:fat ratio in favor of optimal performance to meet heifer development goals, and extends supply to meet daily calf feeding needs. Contains 28% protein; 8% fat.

**A0064 - 50lb**



**\$61.10**

## Accel Energy

An energy supplement containing 60% fat and 7% protein with added vitamins and minerals. Add to milk replacer or whole milk during cold weather stress. Provides readily utilizable energy via spray-dried animal fat to increase the calorie content in a calf's diet.

**A0035 - 25lb**



**\$56.00**

## First Day Formula®

Colostrum replacer or supplement for newborn calves. Fortified with essential vitamins and chelated trace minerals. High-quality-whey-protein concentrate from select Grade A dairies, free of organisms causing colostrum-transmissible diseases, like Johne's disease. Each dose contains 150 IgG. CR Deluxe includes First Defense Technology™.



**A0043 - CR (replacer or supplement) 500gram**

**\$39.25**

**A0044 - CR (replacer or supplement) 20lb**

**\$655.00**

**A0045 - CR Deluxe (replacer) 500gram**

**\$46.25**

**A0046 - CR Deluxe (replacer) 20lb**

**\$780.00**

**A0047 - CS (supplement) 200gram**

**\$16.95**

## Misco Digital Refractometer

Test colostrum to determine quality and IgG scale. Measures colostrum quality and serum total protein. A0668 also measures milk-solids percent or hydration.



**A0667 - Measures colostrum quality or serum total protein**

**\$535.00**

**A0668 - A0667 plus measures milk solids %, or hydration**

**\$630.00**

# Milk Replacers

## Stocked Milk Replacer

Unique manufacturing technology results in a 100% instantized product. Powder combines with minimal mixing. Mos\* is included in each formulation at research levels to promote gut and intestinal health. Chelated (organic) trace minerals are used to support growth and immune function. Tri-Mic WD in all formulas, optimizes feed intakes and utilization, digestive health, and immune system response. Bovatec® is available for control of coccidiosis.

**Milk replacers available only in Wisconsin. Call for pricing.**

\*Mos increases appetite, normalizes gut microflora, and reinforces the digestive tract.

Code	Description	Protein Source	% Protein	% Fat	Guaranteed Analysis			Chelated	Medication
					IU/lb Vit A	IU/lb Vit D <sub>3</sub>	IU/lb Vit E	Mineral/Selenium	
A0061	APL Calf Accelerator*	APL	26	20	30,000	5,000	200	YES	Bovatec®-43 grams/ton
A0069	Performance Plus	All-Milk	20	20	30,000	10,000	150	YES	NO
A0070	Performance Plus	All-Milk	20	20	30,000	10,000	150	YES	Bovatec®-90 grams/ton
A0071	Performance Plus*	All-Milk	20	20	30,000	10,000	150	YES	Bovatec®-90 grams/ton
A0074	Hi-Performance Plus	All-Milk	22	20	30,000	10,000	200	YES	NO
A0075	Hi-Performance Plus	All-Milk	22	20	30,000	10,000	200	YES	Bovatec®-90 grams/ton
A0076	Hi-Performance Plus*	All-Milk	22	20	30,000	10,000	200	YES	Bovatec®-90 grams/ton
A0078	Calf Accelerator	APL	26	20	30,000	5,000	200	YES	Bovatec®-43 grams/ton
A0079	28-26 Jersey	All-Milk	28	26	20,000	2,500	100	YES	Bovatec®-72 grams/ton

\*Formulated with Clarify® seasonally and may require volume purchase.



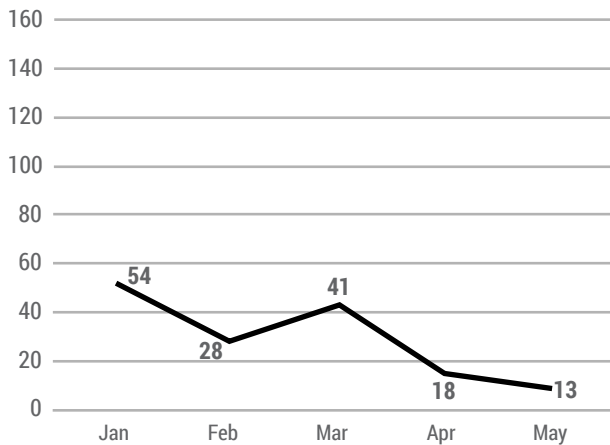
## How it worked

At a commercial dairy farm in South Dakota, 3,100 Jersey and Crossbred heifer and bull calves were fed AccelAIRate in a complete pellet from birth to 90 days and 121 to 200 days of age. This on-farm demonstration evaluated the effects of AccelAIRate on pneumonia treatments and average daily gain at a half dose based on animal body weight for an extended period. Body weights and pneumonia treatment data were collected and analyzed on different groups of calves from August 2022 through May 2023.

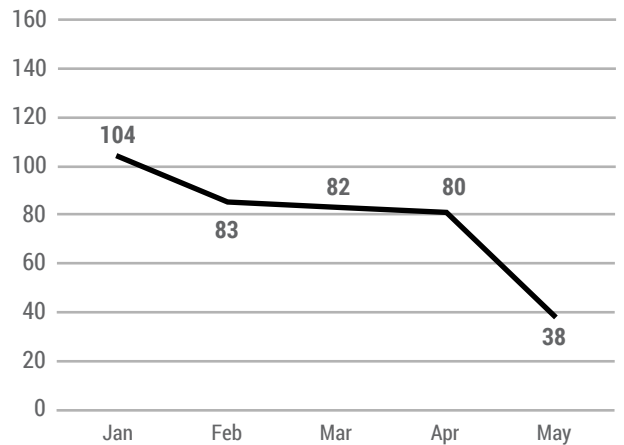
## The results

Supplementing AccelAIRate at half dose for an extended period reduced the use of antibiotics by 72.6% and cut pneumonia treatment by 83% on-farm. At the same time it improved average daily gain by an additional .28 - .55lb depending on the calf's age.

**Pneumonia Treatments**  
Calves 1 - 90 days | January '23 - May '23



**Pneumonia Treatments**  
Calves 91 - 200 days | January '23 - May '23



*AccelAIRate is formulated to preserve respiratory health, alleviate symptoms of respiratory disease, and support the recovery process. Bioactive compounds help stimulate appetite and drive feed intake. All-natural, no VFD or prescription required. Mix in milk, milk replacer, water, and dry calf feed.*

**Learn more:** <https://centralstar.info/accelairate>



# Electrolytes

## Calf Accellyte

A complete electrolyte treatment for calves experiencing scours or dehydration. Contains potassium and sodium to replenish electrolytes and restore proper fluid balance. Blended with glycine and citrate to improve electrolyte and water absorption. Added dextrose provides nutritional energy and buffers to help minimize metabolic acidosis. Easily mixes with water.

- A0053 - 3.6lb**
- A0054 - 10lb**
- A0055 - 25lb**



**\$31.00**  
**\$75.00**  
**\$165.00**

## Accel RS

A recovery solution aiding in hydration and digestive health for calves. Contains Tri-Mic WD as a source of live, viable, naturally occurring microorganisms. Accel RS works to restore, re-energize, recolonize, and rehydrate calves.

- A0596 - Single Dose 4oz**
- A0599 - 6lb**
- A0597 - 25lb**



**\$3.75**  
**\$64.50**  
**\$164.00**

## AccelAIRate

Alleviates symptoms of respiratory disease and supports recovery from respiratory distress. Helps reduce irritation of the throat and suppress coughing, stimulates appetite, and drives feed intake. Contains Mannon-Oligosaccharides (MOS), Beta-Glucans and Nucleotides to protect against secondary pathogens.

- A0040 - 4.4lb**
- A0041 - 22lb**



**\$74.00**  
**\$298.00**

# Calf Coats

## Woolover

Original Woolover is a high-performance blanket that keeps animals warm and dry, allowing nutrients to be used for growth. Made of 70% wool and 30% polyester. Limited supply.



- UM3602 - w/o Buckle Small** \*Special ends 3/31/24 ~~\$42.00~~ **\$24.00**
- UM3605 - w/o Buckle Medium** \*Special ends 3/31/24 ~~\$42.00~~ **\$24.00**
- UM3603 - w/o Buckle Large** \*Special ends 3/31/24 ~~\$42.00~~ **\$24.00**
- UM3683 - w/ Buckle Medium** **\$44.00**
- UM3684 - w/ Buckle Large** **\$44.00**
- UM3667 - Ultra w/o Buckle Small** **\$45.00**
- UM3668 - Ultra w/o Buckle Medium** **\$45.00**
- UM3669 - Ultra w/o Buckle Large** **\$45.00**
- UM3686 - Ultra Lite w/ Buckle Medium** **\$48.00**

## AccelCoat

Provides additional protection to calves during cold weather. Made with our exclusive insulation which wicks moisture away from the calf and provides superior thermal capabilities. The outer shell is made of high-strength polyester with a urethane back, making it water resistant. Machine washable and durable against the harshest conditions. A smooth, quilted liner provides warmth and comfort for the calf. Small fits Jersey calves and large fits Holstein calves. Embroidered with the Select Sires Logo.



- A0605 - Single Insulated Small** **\$39.00**
- A0606 - Single Insulated Large** **\$39.00**

**"I SEE MUCH HEALTHIER CALVES."**

# CONVERT BIG Calf Powder

**Beneficial bacteria and egg-based specialized proteins improve nutrient absorption, restrict pathogen growth, enhance immune function, and stimulate starter-feed intake. Feed from birth through weaning in milk or milk replacer.**



*"I used this product on my own calves and first noticed I had zero scouring calves, no matter how hard I pushed them on milk. Treatment for sickness was significantly cut down, and I had much healthier calves."*

*Producers I work with who use BIG Calf say their calves gain way more weight in a much shorter time. This means they started to wean calves up to a week to 10 days earlier than before. Also, they noticed the calves seem to have a much stronger immune system due to much less sickness and pneumonia. Previously, they used multiple products in the milk for calves. They've since dropped the others, only use BIG Calf, and are seeing far better results for much less money."*

Brian Landis, CentralStar A.I. Specialist



SCAN TO  
LEARN  
MORE







## Calf Housing

### Calf-Tel® "O" Series (Outdoor)

Hutches designed specifically for outdoor use. No matter the size or scope of your operation, Calf-Tel products can help improve labor efficiency, calf health, and overall profitability.

**A0625 - Deluxe II Left Opening 24|74** **\$375.00**

**A0626 - Deluxe II Right Opening 24|74** **\$375.00**

16% more interior space than competitive models and one-of-a-kind customizable ventilation. All plastic extrusion base makes hutches virtually impervious to destruction.

Deluxe hutch parts box includes: feed door, double inside pail holder, two black pails and fence attachment hardware.

L-rod sold separately.

**A0372 - XXL Left Opening 35|85** **\$407.00**

**A0373 - XXL Right Opening 35|85** **\$407.00**



A0625 - Deluxe II



A0372 - XXL

### Calf-Tel® "I" Series (Indoor)

Easy to configure indoor calf pens to make the most of your space and time. Ultra-durable with a wide range of available accessories. Effective and economical solution for raising calves indoors.

**A0376 - Calf Pen Back Airmax** **\$95.00**

**A0377 - Calf Pen Back Vented** **\$90.00**

**A0380 - Calf Pen Front Generation 3** **\$195.00**

**A0382 - Calf Pen Side 4.5' & 2 rods** **\$105.00**

**A0383 - Calf Pen Side 6' & 2 rods** **\$140.00**

**A0384 - Calf Pen Side 7' & 2 rods** **\$150.00**



A0376 - Calf Pen Back Airmax



A0377 - Calf Pen Back Vented



Complete Pen System

### Calf-Tel® Group Housing

Weaned calves placed in large groups can face growth and health setbacks. Placing 4-5 similarly sized weaned calves in group housing is the best way to ease the transition.

**A0375 - MultiMax 54|98** **\$865.00**



### Calf-Tel® Accessories

Broad range of accessories designed for ease-of-use, operational efficiency and years of reliable performance.

**A0417 - L-Rod Pen** **\$7.00**

**A0433 - L-Rod Hutch** **\$4.50**

**A0393 - Bottle Holder Hutch mounted 2qt** **\$15.00**

**A0394 - Bottle Holder Hutch mounted 3qt wide** **\$22.00**

**A0395 - Bottle Holder Hutch mounted 3qt & 4qt** **\$16.00**

**A0398 - Bottle Holder Pen mounted 2qt** **\$12.75**

**A0399 - Bottle Holder Pen mounted 3qt & 4qt** **\$9.50**

**A0590 - Bottle Chute Fence mounted 2qt** **\$15.75**

**A0628 - Bottle Chute Pen mounted 2qt** **\$8.50**

**A0400 - Bottle/Nipple Set 2qt** **\$8.00**

**A0401 - Bottle/Nipple Set 3qt** **\$10.25**

**A0402 - Bottle/Nipple Set 4qt** **\$11.50**

**A0407 - Calf Nipple Super** **\$3.50**

**A0409 - Calf Pail Black** **\$5.25**

**A0410 - Calf Pail White** **\$5.50**

**A0598 - Calf Pail Fence Mounted Black** **\$10.50**

**A0600 - Calf Pail Fence Mounted Gray** **\$10.50**

**A0437 - Pail Holder Fence Mounted Double** **\$12.75**

**A0438 - Pail Holder Fence Mounted Single** **\$8.25**



A0417 - L-Rod



A0590 - Bottle Chute



A0409 - Calf Pail



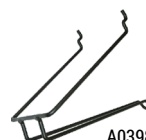
A0393 - Hutch Bottle Holder



A0402 - Bottle



A0407 - Bottle Nipple



A0398 - Bottle Holder



A0598 - Hutch Mount Pail



# COW PRODUCTS

## Direct-Fed Microbials

### Select DTX™

Research-tested and field-proven effective for protecting cattle against mycotoxin challenges. Proprietary cell wall-deficient bacteria provide broad-range protection against mycotoxins. Use when symptoms are present and feed tests show problems. Available in concentrate for easy mixing at feed mills.

<b>AC9004 - 50lb</b>	<b>\$292.00</b>
- 10 to 35 boxes	<b>\$277.00</b>
- 36+ boxes	<b>\$267.00</b>
<b>AC9009 - Concentrate 50lb</b>	<b>\$364.00</b>
- 40+ bags	<b>\$270.00</b>



### Select BioCycle Plus™

Producers feeding BioCycle Plus report reduced SCC, improved reproductive performance, increased digestive capacity and improved general health. Use when metabolic diseases and toxin challenges are present. Available in concentrate for easy mixing at feed mills.

<b>AC9005 - 50lb</b>	<b>\$386.00</b>
- 10 to 35 boxes	<b>\$371.00</b>
- 36+ boxes	<b>\$361.00</b>
<b>AC9027 - Concentrate 50lb</b>	<b>\$472.00</b>
- 10 to 39 bags	<b>\$467.00</b>
- 40+ bags	<b>\$417.00</b>
<b>AC9199 - Concentrate Non-GMO 50lb</b>	<b>\$490.00</b>
- 40+ bags	<b>\$430.00</b>



### Select BioCycle™

Aids in boosting immune function, digestion, and fights environmental challenges. Producers report increased estrus expression and improved feed intake. Contains two types of L-form Lactobacillus, two sources of yeast, four digestive enzymes, microbial sugars and specialized proteins. Recommended when performance improvements are needed in reproduction, and overall herd health. Not appropriate when mold-related challenges are the major problem.

<b>AC9003 - 50lb</b>	<b>\$234.00</b>
- 10 to 35 boxes	<b>\$219.00</b>
- 36+ boxes	<b>\$209.00</b>
<b>AC9091 - Concentrate 50lb</b>	<b>\$438.00</b>
- 20+ bags	<b>\$373.00</b>



### Tri-Mic 1:50

Improve feed intake and feed utilization for maximum production and reproductive performance. Uses patented methods of stabilization and packaging to ensure live, viable and fast-acting microbes for maximum performance.

<b>A0000 - 4lb</b>	<b>\$32.00</b>
<b>A0001 - 20lb</b>	<b>\$148.00</b>



### BioFresh® Microbial Bolus

Gets fresh cows on feed faster, reducing potential metabolic disorders and DAs. Proven effective in reducing SCC by boosting immune function of cows affected by environmental challenges. Supplies critical vitamins and minerals, beneficial bacteria, and egg-based specialized proteins.

<b>AC11011 - 50ct</b>	<b>\$125.00</b>
<b>AC11012 - 400ct</b>	<b>\$860.00</b>



### BioFresh® Microbial Gel

Enhances feed intake, improves ruminal fermentation, and supports immune function for dairy and beef cattle of all ages at weaning, receiving, transporting, calving, off-feed or during low-intake periods. Supplies beneficial bacteria, egg-based specialized proteins and critical vitamins and minerals. 5ml for calves under 500lbs., 10ml for calves 500lbs. – adult cattle.

<b>AC11020 - Tube 280cc</b>	<b>\$55.00</b>
<b>AC11022 - Gel Applicator Gun</b>	<b>\$46.00</b>



### Tri-Start Bolus

An encapsulated, highly concentrated source of rumen-specific microbes in bolus form. Each capsule has a guaranteed viable count of 100 billion CFU. Tri-Start enhances the rumen environment to improve digestive performance and repopulate rumen microflora after periods of stress. Contains lactic acid bacteria, live cell yeast and fungal extracts.

<b>A0003 - 25ct</b>	<b>\$51.00</b>
<b>A0004 - 100ct</b>	<b>\$185.25</b>



### Accel MXL 600

Combats feed quality challenges and enhances liver function. MXL 600 is a combination of beneficial micronutrients designed to assist animal performance during periods of feed quality challenges. Use when toxins are present.

<b>A0008 - 50lb</b>	<b>\$82.50</b>
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## MYSTERY SAVINGS!

Scan or visit: [centralstar.info/mysterysavings](http://centralstar.info/mysterysavings)  
Check back regularly for **NEW** Mystery Savings!





MASTITIS MILK FEVER  
 RETAINED PLACENTA  
**COMMON COSTLY CHALLENGES**  
 INFLUENCE COWS EVERY DAY  
 MYCOTOXINS  
 METRITIS KETOSIS



MYCOTOXIN RISK ASSESSEMENT



MYCOTOXINS BINDING EFFICIENCY COMPARISONS

## Which supplement is right for your cows?

Healthy cows produce more high-quality milk, breed back easier, require less time and labor to manage, and live longer. How much support does your herd need? Below are solutions to address the light (●), moderate (●), and heavy (●) challenges your herd faces.

	FRESH COW SUPPORT	IMMUNE SYSTEM SUPPORT	MYCOTOXIN CHALLENGES	ERRATIC MANURE	KETOSIS SYMPTOMS	POOR FEED INTAKE	ABORTS, EARLY EMBRYONIC DEATH	LOW PRODUCTION	HIGH SCC	POOR REPRODUCTIVE PERFORMANCE	BEEF	SHOW ANIMAL STRESS
Accel Fortifier 1:50	●	●					●	●		●	●	
BioCycle	●	●		●		●		●	●	●	●	●
BioCycle Plus	●	●	●	●	●	●	●	●	●	●	●	
BioFresh Microbial Bolus	●	●				●		●	●		●	●
BioFresh Microbial Gel	●	●				●		●	●		●	●
BioFresh Showcase		●				●					●	●
Bovikalc	●	●										
Bovine Accellyte II	●					●		●			●	●
Ca3 BioFresh	●	●										
DTX		●	●	●	●	●	●	●		●	●	
Freshen Up	●	●									●	●
Tri-Mic 1:50	●	●		●		●		●		●	●	●
Tri-Start Bolus	●	●				●					●	●

## Minerals

### Mineral Premixes

Premixes are formulated to meet all the mineral and vitamin needs of your herd. Add to any ration or supplement protein-grain mix.

**A0016 - ES-Green 1:1 Mineral 50lb**

**A0017 - ES-Yellow 2:1 Mineral 50lb**

**A0015 - Beef Gestation 50lb**



**\$59.00**

**\$55.00**

**\$39.50**

### Accel Fortifier 1:50

Add to beef and dairy cattle diets during periods when added nutrients are required, such as; calving, high production, breeding or during environmental challenges. A concentrated source of chelated and inorganic trace minerals and vitamins. Mix into premixes, minerals, supplements and total mixed rations (TMR).

**A0019 - 25lb**



**\$58.50**

## Forage Inoculant

### Accel Ensilite+

Assists with expediting pH decline to stabilize feed, reducing dry-matter losses and improving digestibility and forage quality. Contains three enzymes which work together to aid in fiber break down and increase nutrient absorption. One of the most economical products on the market.

**A0611 - 100W - Wet Applied 100gram**

**A0612 - 500W - Wet Applied 500gram**

**A0613 - 100D - Dry Applied 50lb**

**A0653 - ASB - Contains *L. buchneri* 500gram**



**\$86.50**

**\$382.00**

**\$99.50**

**\$440.00**

## Tri-Mic 1:50



*"Tri-Mic 1:50 helps keep a cow's digestive system working efficiently so they eat and function normally. I've recommended Tri-Mic for years when producers share intakes are down, or they are battling winter dysentery. It has always performed as expected and I trust it!"*

**Bob Brock**  
CentralStar Area  
Sales Manager



SCAN TO  
LEARN  
MORE!



**"I TRUST IT!"**

## Fresh Cow Care

### Ca3 BioFresh®

Unique calcium bolus contains very high levels of fast and slow availability calcium (45.5g) and vitamin D3 (50,000 I.E.) per bolus. Calcium sources have varying release rates to supply calcium evenly to cow. Does not contain caustic calcium chloride.

**AC11040 - 48ct**



**\$326.40**

### Bovikalc®

Calcium supplement provides fast, extended support for blood calcium levels in freshening dairy cows. Bolus disintegrates quickly in the rumen. Calcium chloride is available immediately and calcium sulfate provides sustained release.

**BV005 - 48ct**



**\$364.73**

### Bovine Accellyte II

Contains specialized electrolytes to replace those lost during stress, minerals needed to compensate for deficiencies from reduced feed intake, and vitamins necessary for life. Use as a drench, add directly into stock tanks or individual water feedings, or mix dry into feeds for group or herd application.

**A0009 - 10lb**

**A0010 - 25lb**



**\$49.00**

**\$82.00**

### Freshen Up

Administer immediately after calving to reduce the incidence of milk fever, retained placenta and ketosis. Contains a proactive combination of multiple sources of calcium, electrolytes and energy. Use as a drench or offer free choice. Contains four different sources of calcium to give cows the boost they need right away, as well as a timed-release of calcium.

**A0012 - 10lb**

**A0013 - 35lb**



**\$59.00**

**\$185.00**

## Cow-Side Tests

### BHB Check Plus Blood Ketone Strips

A simple on-farm test for monitoring sub-clinical ketosis in cattle. For dry cows and cows in transition periods. Check cows within the first two weeks of freshening. Test strips have a 2-year shelf life at room temperature.

**PC2 - 50ct**



**\$95.08**

### BHB Check Plus Meter

Can read both BHB (Beta-hydroxybutyrate, most prevalent blood ketone body detected in sub-clinical and clinical ketosis) and blood glucose. Delivers results in under 10 seconds. Product contains meter only, test strips sold separately.

**PC4 - Meter only**



**\$31.00**

### BHB Milk Ketone Test Strips

A semi-quantitative milk dipstick test for the detection of sub-clinical ketosis in dairy cows. Simply strip milk right onto the test strip or dunk it in a vial of fresh milk, shake off excess milk, and compare the test strip to the color chart. Results available in 1 minute. Test strips have a 2-year shelf life at room temperature.

**PC3 - 100ct**



**\$105.00**

# Teat Dips

## UDDERgold® 5-Star

Barrier film, improves environmental mastitis protection. Controls a broad spectrum of bacteria including Mycoplasma species. Glycerin and emollient polymers help improve skin health.

- UM3661/UM3662 - Base & Activator Set 5gal **\$228.36**
- UM3724/UM3725 - Base & Activator Set 14.5gal **\$631.78**
- UM3665/UM3666 - Base & Activator Set 55gal **\$1,932.38**



## 4XLA®

Designed as a pre and post dip with excellent teat-conditioning power. 4XLA is the ideal dip if you want the killing power of UDDERgold 5-Star (15-20 seconds) but don't need the barrier. Proven effective against environmental and contagious organisms, including *Staph aureus*. Replenishes the cow's natural defenses for fighting mastitis. Very effective against hyperkeratosis.

- UM3617/UM3618 - Base & Activator Set 5gal **\$157.38**
- UM3723/UM3722 - Base & Activator Set 14.5gal **\$400.60**
- UM3621/UM3622 - Base & Activator Set 55gal **\$1,299.16**



## AZTEC GOLD™

Increased mastitis protection. Offers long-lasting color marking, up to five hours. Thicker viscosity dip clings to teats longer, exposing them to the extended killing power.

- UM3678/UM3679 - Base & Activator Set 55gal **\$1,298.02**



## EfferCept SG®

An alternative to Iodine that is cost effective at any milk price. This tablet contains all the great properties of EfferCept and SoftGuard in one tablet. Proven effective as a pre/post dip or spray. Kills 99.99% of *E. Coli*, *Staph aureus* and other mastitis-causing organisms on contact. Conditions, soothes and protects udder and teats. NPE free. Mix two tablets to one gallon of water.

- S291 - Makes 10 Gallons 20ct **\$54.30**
- S289 - Makes 55 Gallons 110ct **\$207.66**
- S288 - Makes 275 Gallons 550ct **\$843.00**



## EfferCept®

Economical pre/post dip. Maximizes killing power while eliminating corrosive effects found in iodine-based products. Pill form mixes with water to be a spray or pre-dip wash. Mix four tablets to one gallon of water.

- S240 - Makes 12.5 Gallons 50ct **\$66.80**
- S242 - Makes 55 Gallons 220ct **\$234.00**
- S280 - Makes 385 Gallons 20lb **\$1,127.00**
- S290 - Makes 667 Gallons 1,000ct **\$1,229.10**



## EfferCept® Foam Additive

Creates a foaming solution when added to EfferCept and EfferCept SG pre-/post-teat-dip. Mix ½ ounce to 1 gallon. Can adjust mixing rate of foam for a consistency that is suitable for your farm. Can be used in a teat dip cup or automatic foamer.

- S293 - 1gal **\$28.00**
- S294 - 55gal **\$975.00**



# SELECT DTX™ Wins!

Research-Proven Mycotoxin Protection



Controlled, third-party research confirms 25 years of experience.

Feeding DTX to mycotoxin-challenged, lactating cows:

- ↑ **DAILY MILK PRODUCTION INCREASED**  
2.5 lb/cow for the first 150 DIM
- ↑ **29.3% IMPROVEMENT**  
Artificial insemination pregnancy rates from Control 36.5% to DTX 47.2%
- ↑ **15.6% IMPROVEMENT**  
Embryo transfer pregnancy rates from Control 27.6% to DTX 31.9%
- ↑ **GREATER THAN 3.5:1 ROI**

[agrariansolutions.com/select-dtx](http://agrariansolutions.com/select-dtx)



Scan this QR code to see the DTX Research

Ask your CentralStar team about complimentary mycotoxin analysis and feed mill availability.

# Select DTX™

## INDEPENDENT RESEARCH

Supplementing Select DTX™ to early-lactation Holstein cows challenged by mycotoxins improves milk production and pregnancy rate.<sup>1</sup>

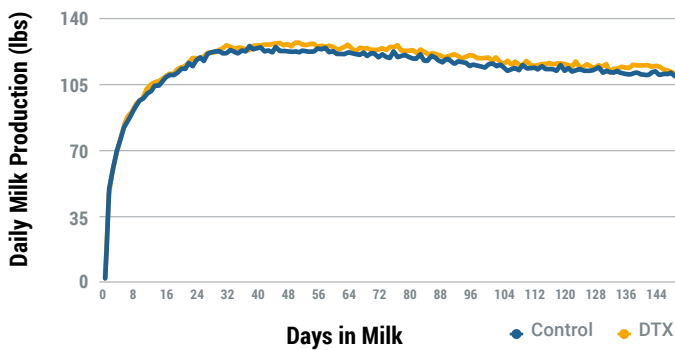
<sup>1</sup>Dairy Health and Management Services



## How It Worked

The study was conducted as a randomized controlled trial from August 29, 2022, to May 28, 2023 at a 3,600-cow New York commercial dairy farm experienced in conducting commercial feed additive research. After entering the dry pen, cows were blocked by lactation group, expected calving date, and stratified by lactation, and then randomized to research groups with dietary treatments beginning at calving. Depending upon the research group assignment, upon freshening the cows entered either a control group (base ration without DTX; 463 cows) or a treatment group (base ration with DTX; 463 cows). Samples of each pen's TMR were obtained routinely throughout the study for mycotoxin analyses. The TMR contamination levels of DON and zearalenone (Zea) recorded throughout the study did not differ between the research groups.

**Figure 1. Supplementing DTX to second- and greater-lactation Holstein cows when consuming mycotoxin-contaminated diet during the first 150 DIM increased daily milk production 2.5 lb/cow.**



**Figure 2. Supplementing DTX to lactating Holstein cows when consuming a mycotoxin-contaminated diet during the first 150 DIM increased the initial pregnancy rate at 28-34 days post-first service and tended to increase the final pregnancy rate at 61-67 days post-first service.**

	Service Technique			
	Artificial Insemination		Embryo Transfer	
	Control	DTX	Control	DTX
Initial Pregnancy, % (No. preg/No. serviced)	45 (54/120)	52.0 (65/125)	34.6 (99/286)	42.0 (124/295)
Pregnancy loss, % (No. loss/No. preg)	18.5 (10/54)	9.2 (6/65)	20.2 (20/99)	24.2 (30/124)
Final pregnancy, % (No. preg/No. serviced)	36.7 (44/120)	47.2 (59/125)	27.6 (79/286)	31.9 (94/295)

## The Results

Supplementing DTX to lactating Holstein cows when consuming a mycotoxin-contaminated diet during the first 150 days in milk (DIM) increased daily production, improved A.I. pregnancy rates, and improved embryo transfer pregnancy rates.

## Learn More

<https://mycentralstar.com/product/select-dtx/>

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MORE ON  
DTX



RESEARCH  
DETAILS





## Udder Health

### Milk Check Teat Wipes

One-step udder preparation wipes are durable, yet gentle. Contain lanolin and glycerin to keep skin soft, preventing teat chapping. Contains germicide to effectively kill bacteria and reduce cross-contamination.

**UM3708 - Refill bag**



**\$33.12**

### Uddermint®

Approved Organic. Improves overall udder health by reducing udder edema. All-natural, antibiotic free, peppermint oil based liniment. Dairy producers report improvements in udder quality and pliability within 12 to 24 hours. For use after freshening, or apply to quarters on cows that show signs of mastitis.

**UM3608 - White 500mL**

**UM3673 - Green 500mL**

**UM3670 - White 2.5L**

**UM3680 - Green 2.5L**

**UM3671 - Dispenser 2.5L**



**\$32.59**

**\$32.70**

**\$150.47**

**\$160.90**

**\$33.58**

### T-Hexx® Dry™

Protects dry cows against mastitis at dry off and pre-calving. Antiseptic formula sanitizes, and seals teat ends with a single dip. Proven barrier against mastitis causing organisms. Bright blue color makes it easy to see.

**HEXXB132 - 1qt**



**\$78.12**

### Lockout™

A non-antibiotic intramammary teat sealant for use through the dry period to aid in the prevention of infections. Visible blue, smooth paste composed of 60% bismuth sub-nitrate forms a malleable barrier in the teat canal. Creates a sterile barrier against harmful bacteria between the udder and environment. Single-dose syringes with short tip designed for hygienic insertion.

**UM3694 - 144ct pail**



**\$354.78**

### VetOne® BoviBlock™

Non-antibiotic teat sealant aids in preventing new intramammary infections. Off-white, smooth paste composed of 65% bismuth sub-nitrate to create a malleable barrier in the teat canal. Creates sterile blockage against harmful bacteria. Unique two-stage tip, allowing full or partial insertion into the teat orifice.

**UM3702 - 144ct pail**



**\$325.36**

### Bovikal® Dry

An oral mineral supplement that helps maintain cow comfort by reducing milk production at dry off. Contains calcium sulfate and ammonium chloride and reduces milk production by inducing a slight and temporary metabolic acidosis.

**BV057 - 48ct box**



**\$376.81**

## Sanitizer

### EfferSan™ Sanitizer

An EPA registered, concentrated multi-purpose disinfectant and sanitizer that offers 100 times more killing power and effectiveness, while being safer than traditional bleach. Contains hydrochlorous acid, which penetrates cell walls and deactivates organisms primary energy-producing function. Dissolves in water.

Non-irritating. Use to wash down parlor and milking equipment, or as a biosecurity feature for washing in and out of the farm. COVID-19 is caused by SARS-CoV-2. EfferSan kills similar viruses and therefore can be used against SARS-CoV-2 when used in accordance with the directions for use against Norovirus (Feline Calicivirus as surrogate) (ATCC VR-782) on hard, non-porous surfaces. Refer to the CDC or OIE website for additional information.

**S270 - 24ct**

**S271 - 100ct**

**S272 - spray bottle**

**\$24.58**

**\$77.00**

**\$6.67**



## Animal Assistance

### Vink Cowlift

Helps save cows that can't stand. With proper use it will not cause bruising around the hipbone and is easily adjusted.

**S255 - Complete Cowlift**

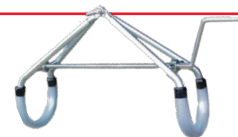
**S278 - Handle replacement**

**S279 - Screw replacement**

**\$186.00**

**\$24.64**

**\$62.53**



### Vink Double Action Calf Puller

Makes difficult deliveries easy. Double action puller with unique rump frame encircles the rear of the cow making it impossible for the frame to slip away. Constructed of stainless steel to ensure long, trouble-free service.

**S028 - Complete Calf Puller**

**S026 - Rope replacement**

**S029 - Mechanism replacement**

**S030 - Bar replacement**

**S031 - Yolk replacement**

**\$465.50**

**\$15.04**

**\$190.73**

**\$150.00**

**\$100.00**



### Cow Cuff Links

Fastens to a cows ankle with a positive lock buckle system - no velcro. Constructed of 6,000 pounds of tensile strength nylon webbing with stainless steel components. Therapeutic benefits, as well as anti-kicking protection.

**AC9026 - Non-Adjustable**

**AC9047 - Adjustable**

**\$30.00**

**\$32.00**



### Flagger Leg Band

Easy to apply and remove. Can be reused. Available in red, yellow, and orange.

**AC2804 - 10pk**

**\$15.30**



# DIAGNOSTIC TESTS AND SUPPLIES



## Test Options

### A1/A2 (beta-casein)

Use to identify the A1 and A2 beta-casein status of individual animals, providing insight for strategic breeding to develop A2 herd status. Results in 10 days of sample receipt.

**ABT36 - PCR (Milk, Whole Blood, or Tissue) \$13.75**

### Bovine Leukosis (BLV)

Test individual cows with ELISA to identify infection and establish herd prevalence. Use PCR to identify most infected animals, "Super Shedders" which cause most risk to uninfected herd mates and youngstock. Results in 5-10 days of sample receipt.

**ABT7 - Serum ELISA \$6.50**

**ABT8 - Milk ELISA \$6.50**

**ABT35 - AntelBio™ STRATA-G™ BLV PCR (whole blood) \$12.00**

### Bovine Neospora

Test individuals or groups of aborting and non-aborting cattle to associate *Neospora caninum* with abortions. Results in 5 days of sample receipt.

**ABT24 - Serum ELISA \$6.50**

**ABT25 - Milk ELISA \$6.50**

### Bovine Viral Diarrhea (BVD)

Test ear notch or serum from calves to identify persistently infected (PI) animals. Test individual or pooled milk from cows to efficiently clear adult herd of PI suspicion. Pooling options to economically monitor infection and prevalence also available. Results in 5-10 days of sample receipt.

**ABT11 - Milk ELISA \$6.50**

**ABT12 - Serum ELISA \$6.50**

**ABT14 - Tissue ELISA \$6.50**

**ABT38 - Individual PCR (Milk, Tissue, or Whole Blood) \$40.00**

**ABT22 - Pooled Tissue / Whole Blood PCR (Min. 10) \$3.70/sample**

**ABT44 - Pooled Milk PCR (Min. 20) \$2.50/sample**

### Johne's Disease

Determine individual animal infection in cattle, goats and sheep by milk, blood or fecal samples. Identify and monitor herd prevalence with pooled sample analysis. Results in 5-10 days of sample receipt.

**ABT1 - Milk ELISA \$6.50**

**ABT2 - Blood ELISA \$6.50**

**ABT3 - Fecal PCR (Individual) \$40.00**

**ABT15 - Milk PCR (Individual or Bulk Tank) \$50.00**

**ABT43 - Pooled Fecal PCR (Min. 3) \$12.00/sample**

### Mastitis PCR

Use to identify mastitis pathogens in individual cows (high SCC, fresh cows, hospital pen, bulk tank, purchased cows) to determine management action. Test groups and bulk tank to monitor infection status. Effective on DHI or hand-stripped milk samples from treated, fresh or late lactation cows. No culturing required. Results in 2 days of sample receipt. Cost effective pooling strategies to monitor and manage herd status also available.

**ABT23 Contagious 4 Mastitis PCR \$30.00**

*(M bovis, Strep ag., Staph aureus, Strep Uberis)*

**ABT32 - Complete 16 Mastitis PCR - Detects 90% of infections! \$40.00**

*(Staph aureus, Strep ag., Prototheca, Staph species, Strep dysgalactiae, Strep uberis, Klebsiella pneumoniae & oxytoca, E coli, M bovis, Corynebacterium bovis, Enterococcus faecalis & faecium, Serratia marcescens, Arcanobacterium pyogenes & Peptostreptococcus indolicus, Staph beta-lactamase gene, Mycoplasma species, and Yeast.)*

**ABT37 - Single Organism PCR (M bovis or Staph aureus) \$14.25**

Pooling strategies available on all Mastitis PCR test types.

### Pregnancy

Test milk or serum of cattle or goats as early as 28-days postbreeding to confirm pregnancy through pregnancy specific protein (PAG). Milk test can be ordered on routine DHI samples or submit samples direct. Results within 1 day of sample receipt.

**ABT26 - Serum Pregnancy ELISA \$4.00**

**ABT27 - Milk Pregnancy ELISA \$4.75**

### Components

When not utilizing DHI test, submit individual milk samples to assist with management decisions. Results within 1 day of sample receipt.

**Milk Urea Nitrogen (MUN) \$1.50**

**SCC/Components \$1.50**

**MUN/SCC/Components \$3.00**

**LOOKING TO BVD OR A2 TEST AND NEED THIS?**

### Ear Notcher (for BVD testing)

Small size V cut ear notcher is made of lightweight die-cast aluminum construction. Heat treated cutting plate for long life and clean cuts. Individually hand-fitted and tested for precision tolerance. Can be used to collect ear notch for BVD or A2 testing.

**ID3207 - V SM 5/16 7000**



**\$31.00**

 **CentralStar**

800.631.3510 • [www.mycentralstar.com](http://www.mycentralstar.com)



## Testing Supplies, Kits & Shippers

\$10 minimum order for collection supplies, kits, and shippers. Mix and match to reach the minimum order.

### Blood Sampling Supplies

Supplies can be stored for use at a later date. Includes blood tubes and needles. Red-top tubes required for serum tests: Pregnancy, Johne's disease, Leukosis, BVD, and Neospora. Purple-top tubes required for whole blood tests: A1/A2, and STRATA-G BLV PCR.



**ABK7 - Blood Supplies**

**\$1.25**

### Milk Collection Supplies

Preservative does not expire and can be stored for use at a later date. Includes vial with milk preservative.



**ABK6 - Milk Supplies**

**\$1.00**

### Fecal Collection Supplies

Includes vial and glove.



**ABK8 - Fecal Supplies**

**\$1.00**

### Tissue Collection Supplies

Includes vials.



**ABK9 - Tissue Supplies**

**\$1.00**

### Complete Small Sample Kits (up to 10 samples)

Holds up to 10 samples. Kit includes sample submission form, collection supplies, and prepaid shipping box addressed to laboratory.



**ABK5 - Complete Small Sample Milk Kit**

**\$30.00**

**ABK5 - Complete Small Sample Milk Kit \*expedited shipping**

**\$60.00**

**ABK13 - Complete Small Sample Blood Kit**

**\$35.00**

**ABK13 - Complete Small Sample Blood Kit \*expedited shipping**

**\$65.00**

### Complete Large Sample Kits

Includes sample submission form, collection supplies and UPS-paid shipping box addressed to laboratory.

**ABK11 - Complete Large Blood/Ear Notch Kit**

**\$95.00**

*(Holds up to 100 blood/tissue samples)*

**ABK12 - Complete Large Milk/Fecal Kit**

**\$95.00**

*(Holds up to 60 milk/fecal samples)*

\*For larger sample submissions call 800.631.3510.



## HOW TO:

## SUBMIT SAMPLES

- Submit samples direct to CentralStar laboratories or milk samples through routine DHI testing.

CentralStar Michigan Lab  
1163 Comet Lane  
Suite 100  
Grand Ledge, MI 48837

CentralStar Wisconsin  
Lab Complex  
200 East Kelso Road  
Kaukauna, WI 54130

- \$10 submission fee for diagnostic tests.

SAMPLE  
SUBMISSION  
FORM



## GET TEST RESULTS

- Diagnostic test results available online, email or mail. Text results available for some tests.
- Component, SCC and MUN results reported by email or mail.
- Johne's Analysis DHI report 420 organizes test results, production, SCC and reproduction data for quick analysis to take management actions. Download results into DART (formerly PCDART).
- Download pregnancy test results into DART.

## BUNDLE & SAVE

- Pooling samples for Johne's, BVD or Mastitis reduces cost and effectively identifies herd or group status. Call 800.631.3510 to discuss pooling options.
- Two ELISA tests on one sample **\$11**
- Three ELISA tests on one sample **\$15**
- Four+ ELISA tests on one sample **\$5/test**

# Decoding Mastitis PCR Results

Mastitis PCR results provide a comprehensive picture of the cause of mastitis. While this allows you to treat and manage mastitis more effectively, the data can be confusing. *So what does it all mean?*



## Control of each mastitis-causing organism is unique.

When your results indicate infection, understanding the source of the infection and how it's transmitted is essential to implementing an effective control plan. CentralStar's Mastitis PCR can report up to 16 mastitis-causing pathogens, depending on which test you use. Below is a quick reference of some of the organisms most often reported. Management of the various pathogens and their relative abundance is herd-specific and dependent on your goals.

Target Organism	Source	Transmission	Control
<b><i>Staphylococcus aureus</i></b>	Infected udders, skin surfaces, mucous, and the environment	During milking by contaminated milk	Treatment often unsuccessful; Segregate and cull; test all incoming purchased animals
<b><i>Mycoplasma bovis</i></b>	Infected cows shed bacteria in milk, blood, and respiratory secretions	Cow-to-cow through infected milk, blood, nose-to-nose contact	Not susceptible to antibiotics, consider cows infected for life; Segregate and cull; test all incoming purchased animals
<b><i>Mycoplasma species</i></b>	Infected cows shed the bacteria in milk, blood, and respiratory secretions	Cow-to-cow through infected milk, blood, nose-to-nose contact	Not susceptible to antibiotics, consider cows infected for life; Segregate and cull; test all incoming purchased animals
<b><i>Streptococcus uberis</i></b>	Shed in feces, contaminates all bedding types	Environmental contact, possibly cow-to-cow through infected milk	Cure rate generally lower than other Strep species, but may increase with extended-duration therapy; cull chronic infections
<b><i>Streptococcus dysgalactiae / Enterococcus faecalis &amp; faecium</i></b>	Shed in feces, contaminates all bedding types	Environmental contact, cows with negative-energy balance or compromised immunities most at risk	Responds to antibiotic treatment; Clean dry-cow environment, good pre- and post-milking teat-dip procedure
<b><i>Staphylococcus species</i></b>	Skin surfaces, occasionally environment	Infects teat canal from skin sources	High rate of spontaneous cure, responds to antibiotic treatment, pre- and post-milking teat disinfectant, dry-cow therapy
<b><i>Staphylococcal beta-lactamase gene (A sub-group of Staphylococcus)</i></b>			Resistant to treatment with beta-lactam products; discuss alternative antibiotic uses with veterinarian
<b>Yeast</b>	Soil, plants, water	Improperly cleaned teat ends prior to infusion, milking machine malfunction or poor milking technique	Does not respond to antibiotics and their use may worsen the signs of mastitis; Sterile, single-use udder prep for teat infusions, ensure properly working milking equipment and technique

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LEARN  
MORE



**Don't go it alone.**

Ask your CentralStar team for help with understanding your results and implementing testing on your farm.



**CentralStar**

800.631.3510 • [www.mycentralstar.com](http://www.mycentralstar.com)

# REPRODUCTION TOOLS



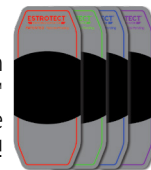
## Heat Detection

### Estrotest™

No more messy glue. Scratches off exposing brilliant color when cows are mounted. The precision-designed Breeding Bullseye™ takes the guess work out of your breeding program. When the Bullseye, or equivalent amount, is rubbed off it's time to breed! Available in orange, lime green, fuchsia, and blue.

**ID3229 - 50ct**

**ID3232 - Rubber brush**



**\$87.00**

**\$6.75**

### Kamar® HeatMount™ Detectors

Advanced heat detection aid that helps identify standing heat occurring between visual observations. Apply with adhesive over sacrum of cow. Detector turns red when activated by mounting.

**ID3220 - 25ct w/adhesive**

**ID3230 - 100ct w/adhesive**

**ID3223 - Adhesive**



**\$33.00**

**\$132.00**

**\$5.00**

### Eazi-Breed™ CIDR®

Produces tighter estrous synchronization, which means more animals in heat in an insemination window. The insert is easily administered into the vagina, continuously releasing progesterone, allowing breeding programs to start at any stage of the estrous cycle.

**AC21274 - 10ct**

**AC21285 - Individual applicator**



**\$167.50**

**\$18.33**

### Twist-Stik

Slow-dry formula marks skin, hide, and pelts. Convenient plastic dispenser with cover prevents waste and mess. Fade-resistant, weather-resistant, and nontoxic.

**ID61029 - Regular 12ct box**

**ID61030 - Fluorescent 12ct box**



**\$26.40**

**\$28.92**

### Paintstik™

Highly-visible, nontoxic identification. Applies easily wet or dry and resists fading. Available in orange, green, fluorescent orange, fluorescent green, and fluorescent pink.

**ID61024 - Regular 12ct box**

**ID61012 - Fluorescent 12ct box**



**\$13.56**

**\$13.92**

### Detect-Her™ Tailpaint

Rubs off with several mounts. Has BITTERGUARD® to deter licking. Water soluble for easy clean-up, will not stain hands. Available in wipe-on or aerosol in blue, green, orange, yellow, pink, and red (wipe-on only).

**DT202 - Wipe-on 6ct box**

**DT208 - Aerosol 12ct box**



**\$51.00**

**\$101.40**

### CowManager®

24/7 monitoring of your herd's reproduction. Ear tag transmits data every 15-minutes. Fertility alerts accurately identify which cows are in heat, provides precise information on optimal time to breed and identifies anovular and cystic cows. Nutrition and health information also available.

See [www.mycentralstar.com/cowmanager](http://www.mycentralstar.com/cowmanager) to learn more.



## Reproduction Tools

### D-Y Herd Monitor

Use for keeping accurate records of your herd's breeding and freshening. Available in red, pink, green, blue, and yellow.

**AC2802 - Herd Monitor**

**AC2803 - Monitor Labels 30/sheet**



**\$238.00**

**\$0.47**

### A.I. Training

**SS100 - A.I. Training Manual**

**\$25.00**

**SS145 - Supplemental A.I. Training Manual Spanish**

**\$3.00**

**SS170 - Basic A.I. Training DVD English**

**\$20.00**

**SS171 - Basic A.I. Training DVD Spanish**

**\$20.00**

**SS180 - Basic A.I. Training Video English**

**\$20.00**

**SS183 - Basic A.I. Training Video Spanish**

**\$20.00**

**SS184 - Heat Detection & Timed A.I. Video English**

**\$15.00**

**SS185 - Heat Detection & Timed A.I. Video Spanish**

**\$15.00**

IT'S CONVENIENT!

## Milk Pregnancy Test



*"Farms I work with use the Milk Pregnancy Test because of its convenience. They use it at a variety of times from the initial confirmation to just before dry-off. Since I'm at the farm every month, I can easily create a report to identify which animals need to be checked, saving them time, and keeping their breeding program on track."*

Heather Noskowiak  
CentralStar DHI Specialist



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## Breeding Supplies

### A.I. Gun Warmer

Heated, temperature controlled carrying case keeps guns at correct temperature. Includes: 12V rechargeable battery, belt/shoulder strap, 100V AC wall adapter, 12V DC auto adapter, spare liner. One-year warranty.

IN8011 - Gun Warmer Kit	\$394.16
IN8012 - 14.4V Rechargeable Battery	\$76.63
IN8013 - 100V AC Wall Adapter	\$15.93
IN8014 - Auto Adapter- Gun Warmer	\$12.04



### Breeding Sheaths

IN3004 - Individual Sheath - Split 50pk	\$8.87
IN3012 - Univ N/S Sheath-Blue (spiral/univ gun) 50pk	\$4.50
IN3016 - Univ Split Indv Sheath - Green 50pk	\$11.17
IN3017 - Univ N/S Indv Sheath - Blue 50pk	\$14.51
IN3024 - San Sheath Covers 100 roll	\$15.90
IN3025 - Univ N/S Sheath - Green (o-ring gun) 50pk	\$3.67
IN3028 - HD Plastic Sheath Covers 25pk	\$8.65
IN3054 - Metallic Tip Sheath-ET 5pk	\$13.88
IN3056 - Alpha Sheath 50pk	\$10.27
IN3013 - Infuzee w/ Connectors 25pk	\$8.25
IN3031 - Infuzee Pipettes 25pk	\$7.57

### Insemination Guns

IN3005 - French Straw Gun	\$30.00
IN3006 - Spare Lock Ring	\$1.05
IN3011 - Spiral Straw Gun 1/2cc	\$30.00
IN3042 - Spiral Straw Gun 1/4cc	\$37.00
IN3053 - ET Breeding Gun	\$128.79
IN8010 - Deep Horn Breeding Gun	\$48.00



### Kombicolor Insemination Guns

Use with 1/4 and 1/2cc straws.

IN3044 - White	\$44.22
IN3045 - Yellow	\$44.22
IN3046 - Green	\$44.22
IN3047 - Blue	\$44.22
IN3048 - Red	\$44.22
IN3057 - Plunger	\$17.00



### Breeding Gloves

IN3040 - Buff Poly Sleeve 100 box	\$21.94
IN3049 - Red Breeder Sleeve 100 box	\$17.80

### Cito Thaw Cup

A sensitive and accurate thermostatic control ensures a constant temperature range of 95°- 98° F. Indicator light shows when the unit is ready to use, and when it is maintaining the water bath at the proper temperature. Includes AC adapter and DC adapter.



IN3058 - Dual Purpose Thaw Cup	\$251.92
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### Breeding Kit

Plastic breeding box to hold breeding supplies. Comes with thermos bottle (blue box includes Cito dual purpose thaw cup), Kombicolor gun, universal sheaths, gloves, bottle of Lubogel, tweezers, scissors, and thaw monitor.



IN3015 - Breeding Kit Plastic	\$116.21
IN3023 - Plastic Box Only	\$21.73
IN3051 - Breeding Kit Blue	\$371.73
IN3050 - Blue Box Only	\$98.55

### Breeding Extras

IN3029 - Lubogel gallon	\$15.13
IN3021 - Thermos Bottle	\$21.91
IN3026 - Thaw Monitor	\$4.00
IN3032 - Tank Measure Stick	\$5.25
IN3041 - Digital Thermometer	\$21.14
IN3020 - Dial Thermometer	\$14.65
IN3007 - Scissors	\$12.59
IN3009 - Forceps - stainless steel	\$11.22
IN3008 - Fiberglass Tweezer 1/2cc	\$3.10
IN3043 - Fiberglass Tweezer 1/4cc	\$4.40
IN3037 - CITO Straw Cutter	\$6.20
IN3061 - Tork Dairy Towel single pack (16 packs in a case)	\$2.10



## Nitrogen Tanks

Description	No. of Canisters	Capacity 1/2cc Straws	Hold Time (weeks)	Neck Opening (inches)	2 year Warranty	Weight Filled (pounds)
Millennium XC20	6	720	16	2 1/4	Yes	60
MVE XC34/18 Tank	6	2,100	16	3 1/2	Yes	96

Call for pricing



# PEST CONTROL

## Fly & Insect Control

### ULTRABoss® Pour-On

Controls lice, flies, mosquitoes and ticks on cattle. Effective horn fly control up to eight weeks. No pre-slaughter withdrawal or milk withhold. 3 mL per 100 lbs. body weight.

**AC2814 - 1qt**  
**AC2813 - 1gal**



**\$40.21**  
**\$153.32**

### Intersect Gold Pour-On™

Synergized pour-on controls lice and flies on lactating and non-lactating dairy and beef cattle and calves. 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 a ready-to-use spray. Apply as a pour-on, mist spray or in back rubbers.

**AC2839 - Intersect Gold 2.5gal**  
**AC2840 - Intersect Gold 1gal**



**\$215.00**  
**\$100.00**

### CyLence® Pour-On

Ready-to-use pour-on insecticide for the control of horn flies, face flies, biting and sucking lice on beef and dairy cattle. Use anytime of the year. No mixing and no withdrawal requirements.

**AC2825 - 6pt**



**\$127.82**

### Cattle Armor Pour-On

Ready to use pour-on to kill horn flies, face flies, house flies, stable flies, keds, lice, mosquitoes and many more. Works as a pour-on, mist or diluted in back rubbers. Use on beef cattle, lactating and non-lactating dairy cattle, calves and sheep.

**UM3716 - 55gal**



**\$1,158.43**

### CyLence® Ultra Premise Spray

Broad spectrum control of crawling, flying and wood-infesting insects, in and around animal housing, warehouses, and processing and packing plants. Provides effective knockdown and residual control of over 60 different pests.

**AC2845 - 240ML**



**\$68.57**

### Cyzmic® CS Insecticide Premise

Encapsulated premise insecticide for use around livestock buildings. Kills flies, ants, spiders, crickets, moths, ticks, mosquitoes, fleas, beetles, bugs and more. Provides broad-spectrum control, lasts up to 90 days on a surface, mixes with water.

**AC2846 - 1qt**



**\$103.79**

### ULD® BP-100 Premise

A versatile fly control that is safe for humans and livestock. Kills flies with extremely low risk of resistance. Application will leave a residue to control flies for up to seven days.

**UM3703 - 1gal**  
**UM3706 - 55gal**



**\$96.87**  
**\$2,998.97**

## Dewormer

### EpriGard®

Internal and external parasite control for beef and dairy cattle. Kills 39 species and stages of internal and external parasites. Controls adult worms and fourth-stage larvae, lice, mange mites, grubs and horn flies. Active ingredient: Eprinomectin at 5g/L. No milk or meat withholding.

**AC2848 - 5L**



**\$271.62**

### Ivomec® Eprinex®

Parasite control that kills 39 species and stages of internal and external parasites. Controls adult worms and fourth-stage larvae, lice, mange mites, grubs and horn flies. No milk withholding or meat withdrawal (when used according to label).

**MR30252 - 2.5L**  
**MR30253 - 5L**  
**MR30254 - 10L**  
**MR19499 - 20L**



**\$270.92**  
**\$368.22**  
**\$692.12**  
**\$1,292.94**

### Ivomec®

Highly effective against roundworms, lungworms, grubs, lice and mange mites in cattle.

**MR41350A - 5L**



**\$298.60**

### CYDECTIN® Pour-On

Pour-on formula approved for beef and dairy cattle, including lactating cows. Use for the treatment of infections and infestation of internal and external parasites. Proven to provide persistence against specific species including brown stomach worms, lungworms, barber pole worms and nodular worms. Zero milk withhold and zero slaughter withdrawal. Contains weather-proof formula with purple dye to easily identify which animals have been treated.

**AC2822 - 5L**  
**AC2823 - 10L**  
**AC2844 - 2.5L**



**\$381.11**  
**\$758.28**  
**\$318.00**

SCAN TO  
ORDER FLY  
CONTROL



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ORDER  
DEWORMER



### Evergreen® Pyrethrum Concentrate Premise

Water based, broad-spectrum insecticide that can be used in OMRI-certified organic facilities. Contains pyrethrum, a botanical insecticide. Use indoors in food and non-food areas, and in and around livestock facilities. Rapidly degrades in sunlight with no residual activity. Offers fast, effective control of insects including ants and cockroaches.

**AC2819 - Organic 1gal**

**AC2838 - 60-6 Fly Spray 1gal**



**\$497.91**

**\$342.65**

### Neporex®

Controls stable flies and mosquitoes. Granular formulation larvicide, suitable for scattering, or dissolving for pouring and spraying. Can be used as a spot treatment where larvae are found developing. NOT allowed for application directly to livestock, feed or water for consumption, as residues may occur. Apply to calf hutches, slatted floors, cattle pens and spillage areas.

**AC2837 - 11lb**



**\$133.70**

### Tempo® SC Ultra Premise

Premise spray provides broad-spectrum control of more than 60 pests including flies, ants, spiders, darkling beetles, mosquitoes, fleas, ticks and more. Can be used as a general surface, spot, mist, or crack and crevice spray for use in and around animal facilities.

**AC2820 - 240mL**

**AC2821 - 420gm**



**\$59.75**

**\$85.00**

### QuickBait® Fly Bait

Controls nuisance flies in as little as 60 seconds. Ready to use indoors or around livestock production facilities, poultry houses and horse stables as scatter bait or in bait stations. Contains Bitrex®, a bitter substance to help prevent accidental ingestion by children and animals.

**AC2835 - 5lb**

**AC2836 - 35lb *\*limited supply***



**\$51.71**

**\$232.91**

### Dairy Fly Bomb 55Z

Kills and repels stable flies, horse flies, face flies, deer and house flies, mosquitoes and gnats. Use on beef cattle, dairy cattle, horses, hogs, chickens and other livestock; in animal barns and storage facilities. Quick killing pyrethrin.

**AC2829 - 25oz**



**\$22.03**

### Sticky Roll®

Use in dairy barns, horse stables and animal premises of all kinds. USDA testing shows it captures 92% of available flies. No baits, toxins or pheromones are necessary.

**AC2832 - Hardware**

**AC2833 - 1,000ft Roll**



**\$69.29**

**\$44.05**

## Application quick reference

Product	Parlor/ Milkhouse	Barns	Animals	Hutches	Use
CyLence Pour-On	No	No	Yes	No	Apply to topline every 3 weeks; rotate with Ultra Boss
UltraBoss Pour-On	No	No	Yes	No	Apply to topline every 2 weeks; rotate with CyLence
Intersect Gold Pour-On	No	Yes	Yes	No	Apply as pour-on or in back rubbers, effective on dairy, beef, horses or sheep
Cattle Armor Pour-On	No	No	Yes	No	Apply to topline, oil-based, reapply every 2 weeks
CyLence Ultra Premise Spray	Yes	Yes	No	Yes	Broad spectrum for indoor or outdoor use
Cyzmic CS Insecticide Premise	Yes	Yes	No	Yes	General use, quick knockdown, up to 90-days residual
Tempo SC Ultra Premise	Yes	Yes	No	Yes	Indoor and outdoor; surface, spot, mist, or crack and crevice spray.
EverGreen	Yes	Yes	Yes	Yes	Pyrethrins degrade quickly in sunlight. Kills 140+ pests.
UDL BP-100	Yes	Yes	Yes	Yes	To kill stable flies, apply 2 fl oz/adult animal
Neporex	No	Yes	No	Yes	For under bedding in hutches or around perimeter of manure piles and packs
QuickBait Fly Bait	No	Yes	No	Yes	Fresh product attracts more flies; for house flies, not stable flies.
Sticky Roll Fly	No	Yes	No	No	Indoor and outdoor; over headlocks or tie stalls
Fly Bomb	Yes	Yes	Yes	Yes	Quick knockdown, no residue



# EAR TAGS

## Visual Tags

### Allflex

Patented laser-ink marking with matching laser-etched number into tag surface guarantees permanent identification for the life of the animal. Special order with custom options available. Available in blue, green, orange, pink, purple, red, white, and yellow.



**Medium 1.75" x 1.5" numbered/blank**

**\$0.95/\$0.85**

**Large 3" x 2.25" numbered/blank**

**\$1.53/\$1.43**

**Maxi 4" x 3" numbered/blank**

**\$1.78/\$1.68**

**Super Maxi 4.625" x 3" numbered/blank**

**\$1.88/\$1.78**

## RFID Tags

### Allflex Official USDA '840' Ultra EID Tag

The USDA Premise ID number is required to purchase. The tag is ISO Compliant. Extended small male allows a deeper placement in the ear.

**Single Tag**

**-500+**

**\$2.63**

**\$2.50**



### Allflex USDA '840' Visual Tags

Tags are laser-ink printed and available with custom letters and numbers. The USDA Premise ID number is required. EID button only available in white. Visual tags are available in: yellow, white, blue, green, orange, red, and pink. Also available with tissue sample units.



**Double matched 2 pair maxi female w/ large male**

**\$5.93**

**Double matched combo set**

**\$4.07**

**840 only double matched 2 pair maxi female w/ large male**

**\$4.15**

**Maxi matched pair visual set numbered**

**\$4.95**

**Maxi matched pair visual set blank**

**\$4.85**

**Large matched pair visual set numbered**

**\$4.48**

**Large matched pair visual set blank**

**\$4.38**

### Allflex All-in-One

Available in Half Duplex (HDX) and Full Duplex (FDX). Combines Allflex Maxi or Large visual tag with EID component. Tamperproof Ultra Cap™ provides ultimate security and retention. Available in yellow and white.

**Maxi - blank or numbered**

**\$4.45**

**Maxi - numbered with text**

**\$4.49**



### Z-Tags

With their unique flip-out applicator and no-snag design, Z-tags are a premium ear tag. Available in one and two piece tags. Available in yellow, purple, black, pink, blue, red, green, orange, and white.



**One Piece Calf 2.5" x 3.25" numbered/blank**

**1.05/\$0.82**

**One Piece Cow 3" x 4.5" numbered/blank**

**\$1.45/\$1.30**

**Two Piece Calf 2.5" x 3.25" numbered/blank**

**\$1.05/\$0.82**

**Two Piece Cow 3" x 4.5" numbered/blank**

**\$1.36/\$1.12**

### A-Tags

One-piece tag, self-piercing, pinhole tip for faster healing and reduced animal stress. Highly versatile designed for long-term identification and cost effective. Patented laser ink permanent marking, custom marking and numbering available by special order. Available in blue, green, orange, pink, purple, red, white, and yellow.



**One Piece Cow 4.5" x 3" numbered/blank**

**\$1.35/\$1.25**

### Y-Tex

Two-piece tags are made of an advanced polyurethane formulation and are engineered to prevent cracking, remain flexible and provide excellent longevity. All-American ear tag design features a Snap-Lok® collar for superior retention, a long neck for greater visibility and ultraviolet inhibitors to resist fading. Available in orange, blue, green, pink, purple, yellow, red, black, white, and gray.



**Medium 3-Star 2.25" x 4.875" numbered/blank**

**\$1.20/\$1.10**

**Large 4-Star 3.5" x 4.75" numbered/blank**

**\$1.30/\$1.20**

## CowManager®

### CowManager Blank RFID Tag

The dummy RFID tags are a perfect way to put in CowManager® ear tags, or use with regular RFID tags. Female tags are reusable.

**Female**

**\$2.00**

**Male**

**\$0.58**



## ProfitSOURCE®

### ProfitSOURCE

ProfitSOURCE is a complete program offering the expertise of CentralStar's reproductive and genetic specialists. ProfitSOURCE can significantly impact your herd's bottom line by increasing the revenue from your lower genetic value females. \*Calves MUST meet all Select Sires requirements to qualify for the ProfitSOURCE™ program. Call for specifications.







## Swine Tags

### Official 840 Swine Tag

Required for all show gilts and barrows. USDA official 840 number. 840 tags are not used for production swine (see Swine Premise tags). Premise number required to order (available through your local Department of Agriculture). Tags offer a tamper-proof button and visual panel stud. Available blank, with management number or with premise number or text. Available in blue, magenta, orange, pink, red, white, and yellow.

**Rectangle**  
**Button**



**\$1.25**  
**\$1.25**

## Sheep & Goat Tags

### FDX Lightweight Goat and Sheep Ultra 840 EID

Packaged with small global males, FDX technology utilizes the lightweight EID tag. The USDA Premise ID number (issued by the Department of Agriculture in your state) is required to purchase. Apply with the Allflex universal total tagger or Allflex Ultra Retract-O-Matic for EID tags. Packaged in sets of 20 buttons per package.

**Goat and Sheep**



**\$2.47**

## Tagging Accessories

### Taggers and Accessories

Allflex Ultra Retract-O-Matic for CowManager	<b>\$105.00</b>
Allflex Ultra Retract-O-Matic for EID Tags	<b>\$75.61</b>
Allflex UTT3S Tag Applicator for all 2-piece tags/electronic tags	<b>\$34.00</b>
Allflex Retract-O-Matic for visual/global	<b>\$56.00</b>
Z-Tag Applicator for one-piece Tags	<b>\$25.00</b>
Destron Fearing Universal Tag Applicator	<b>\$24.00</b>
Allflex A-Tag Applicator	<b>\$24.50</b>
Allflex Total Tagger Applicator	<b>\$25.26</b>
Allflex Total Tag Applicator Pin	<b>\$2.60</b>
Destron Fearing Pin for ProGrip Universal Applicator	<b>\$2.91</b>
Remover Knife	<b>\$3.82</b>
Z-Marking Pen	<b>\$7.25</b>
Allflex 2-in-1 Marking Pen	<b>\$5.98</b>
Y-Tag Tagger Plus/Combination	<b>\$25.00</b>

### EID Stick Readers

Allflex AWR300 EID Stick Reader	<b>\$1,370.85</b>
Allflex AWR300 EID Stick Reader Kit	<b>\$1,430.00</b>
Tru-Test XRS2 EID Stick Reader	<b>\$1,899.00</b>
Tru-Test SRS2 EID Stick Reader	<b>\$1,399.00</b>
I.D. Ology LCD Lightning Rod Reader w/ Bluetooth	<b>\$1,250.00</b>
I.D. Ology Lightning Rod Reader w/ Bluetooth	<b>\$765.00</b>
Allflex RS420 Replacement Battery	<b>\$38.50</b>

# "THE SUPPORT TEAM WITH COWMANAGER IS SECOND TO NONE!"

"CowManager makes us more efficient. It identifies specific cows that need attention, so we aren't walking around all the pens looking for sick cows and wasting our time. The return on investment for CowManager has been solid because of decreased death loss, increased heat detection, and our overall stewardship of antibiotic usage has also improved. We feel the support system and team you get with CentralStar and CowManager is second to none!"

~Larson Acres, Inc, Evansville, Wis.



HEALTH • FERTILITY • NUTRITION

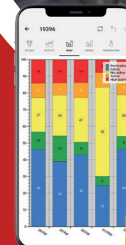


AHEAD OF THE HERD TOGETHER

**TRY IT NOW**  
**OUR DEMO**



SCAN QR



**CentralStar**

Learn more from your CentralStar team.