Preconditioning programs for healthier, higher-value calves
Preconditioned to Perform

Proper preconditioning improves the efficiency and performance of calves, from the ranch to the feedyard. And that’s why PrimeVAC™ by Merck Animal Health gives you a marketing edge. You can count on PrimeVAC preconditioning programs for healthier, higher-value calves that help you take advantage of value-added premiums.

Find the program that’s right for your operation using trusted, reliable Merck Animal Health products. Talk to your veterinarian or Merck Animal Health representative about using PrimeVAC certification.

Always consult your veterinarian concerning: best health management decisions specific to your operation, selection of qualified USDA/FDA approved products, optimum use of combination products, and the efficacy of vaccination in the face of maternal antibodies.

Always read, understand, and follow product label and use as directed.
**PrimeVAC 34**

Calves are vaccinated 2-4 weeks prior to shipping

**RESPIRATORY PROTECTION (ONE DOSE REQUIRED)**

2 TO 4 WEEKS PRIOR TO SHIPPING:
Vista Once SQ or Vista 5 SQ and Once PMH IN or SQ

**BLACKLEG PROTECTION (TWO DOSES REQUIRED)**

SELECT ONE:
Vision 7
Vision 7 Somnus
Cavalry 9
Vision 8
Vision 8 Somnus
Covexin 8

**INTERNAL PARASITE CONTROL (RECOMMENDED)**

2 TO 4 WEEKS PRIOR TO SHIPPING
SELECT ONE:
Safe-Guard
Panacur

**EXTERNAL PARASITE CONTROL (RECOMMENDED)**

2 TO 4 WEEKS PRIOR TO SHIPPING
SELECT ONE:
Ultra Boss Pour-On Insecticide
Ultra Saber Pour-On

**IMPLANT (OPTIONAL)**

AT BRANDING:
Ralgro

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**PrimeVAC 34 Premium**

Calves are vaccinated twice:
- Administer the first vaccines at branding
- The second vaccination occurs 2 to 4 weeks prior to shipping

**RESPIRATORY PROTECTION (TWO DOSES REQUIRED)**

AT BRANDING:
Vista Once SQ or Vista 5 SQ and Once PMH IN or SQ

2 TO 4 WEEKS PRIOR TO SHIPPING
REVACCINATE WITH:
Vista Once SQ or Vista 5 SQ and Once PMH IN or SQ

**BLACKLEG PROTECTION (TWO DOSES REQUIRED)**

SELECT ONE:
Vision 7
Vision 7 Somnus
Cavalry 9
Vision 8
Vision 8 Somnus
Covexin 8

**INTERNAL PARASITE CONTROL (RECOMMENDED)**

2 TO 4 WEEKS PRIOR TO SHIPPING
SELECT ONE:
Safe-Guard
Panacur

**EXTERNAL PARASITE CONTROL (RECOMMENDED)**

2 TO 4 WEEKS PRIOR TO SHIPPING
SELECT ONE:
Ultra Boss Pour-On Insecticide
Ultra Saber Pour-On

**IMPLANT (OPTIONAL)**

AT BRANDING:
Ralgro
PrimeVAC 45

For home-raised calves weaned a minimum of 45 days prior to delivery

Calves are vaccinated twice:
- Administer the first vaccines prior to or at weaning
- Revaccinate 3 to 6 weeks later

PrimeVAC 45 Premium

For home-raised calves weaned a minimum of 45 days prior to delivery

Calves are vaccinated three times:
- Administer the first vaccines at branding
- Administer the second vaccination prior to or at weaning
- Revaccinate 3 to 6 weeks later

**RESPIRATORY PROTECTION (TWO DOSES REQUIRED)**

**FIRST VACCINATION:**
Vista Once SQ or Vista 5 SQ and Once PMH IN or SQ

**SECOND VACCINATION:**
Vista 5 SQ

**BLACKLEG PROTECTION (TWO DOSES REQUIRED)**

**SELECT ONE:**
Vision 7  Vision 8
Vision 7 Somnus  Vision 8 Somnus
Cavalry 9  Covexin 8

**INTERNAL PARASITE CONTROL (RECOMMENDED)**

**AT PRE-WEANING OR WEANING PROCESSING**

**SELECT ONE:**
Safe-Guard  Panacur

**EXTERNAL PARASITE CONTROL (RECOMMENDED)**

**AT PRE-WEANING OR WEANING PROCESSING**

**SELECT ONE:**
Ultra Boss Pour-On Insecticide  Ultra Saber Pour-On

**IMPLANT (OPTIONAL)**

**AT BRANDING:**
Ralgro  Revalor®-G

**AT WEANING:**
Ralgro or Revalor®-G

**RESPIRATORY PROTECTION (THREE DOSES REQUIRED)**

**FIRST VACCINATION:**
Vista Once SQ or Vista 5 SQ and Once PMH IN or SQ

**SECOND VACCINATION:**
Vista Once SQ or Vista 5 SQ and Once PMH IN or SQ

**THIRD VACCINATION:**
Vista 5 SQ

**BLACKLEG PROTECTION (THREE DOSES REQUIRED)**

**SELECT ONE:**
Vision 7  Vision 8
Vision 7 Somnus  Vision 8 Somnus
Cavalry 9  Covexin 8

**INTERNAL PARASITE CONTROL (REQUIRED)**

**AT PRE-WEANING OR WEANING PROCESSING**

**SELECT ONE:**
Safe-Guard  Panacur

**EXTERNAL PARASITE CONTROL (REQUIRED)**

**AT PRE-WEANING OR WEANING PROCESSING**

**SELECT ONE:**
Ultra Boss Pour-On Insecticide  Ultra Saber Pour-On

**IMPLANT (OPTIONAL)**

**AT BRANDING:**
Ralgro  Revalor®-G

**AT WEANING:**
Ralgro or Revalor®-G
INTERNAL PARASITE CONTROL (RECOMMENDED)

SELECT ONE:
- Safe-Guard
- Panacur

EXTERNAL PARASITE CONTROL (RECOMMENDED)

SELECT ONE:
- Ultra Boss Pour-On Insecticide
- Ultra Saber Pour-On

REPRODUCTIVE PROTECTION (ONE DOSE REQUIRED)

2 TO 8 WEEKS PRIOR TO BREEDING:
- Vista 5 VL5 SQ

RESPIRATORY PROTECTION (TWO DOSES REQUIRED)

FIRST VACCINATION:
- Vista Once SQ or Vista 5 SQ and Once PMH IN or SQ
SECOND VACCINATION:
- Vista 5 SQ

BLACKLEG PROTECTION (TWO DOSES REQUIRED)

SELECT ONE:
- Vision 7
- Vision 8
- Vision 7 Somnus
- Vision 8 Somnus
- Cavalry 9
- Covexin 8

INTERNAL PARASITE CONTROL (RECOMMENDED)

SELECT ONE:
- Safe-Guard
- Panacur

EXTERNAL PARASITE CONTROL (RECOMMENDED)

SELECT ONE:
- Ultra Boss Pour-On Insecticide
- Ultra Saber Pour-On

IMPLANT (OPTIONAL)

ON ARRIVAL
SELECT ONE:
- Ralgro
- Revalor-G

RESPIRATORY PROTECTION (TWO DOSES REQUIRED)

ON ARRIVAL:
- Vista Once SQ or Vista 5 SQ and Once PMH IN or SQ
SECOND VACCINATION:
- Vista 5 SQ

BLACKLEG PROTECTION (TWO DOSES REQUIRED)

SELECT ONE:
- Vision 7
- Vision 8
- Vision 7 Somnus
- Vision 8 Somnus
- Cavalry 9
- Covexin 8
- Vision 8
- Vision 8 Somnus

REPRODUCtIVE PROTECTION (ONE DOSE REQUIRED)

2 TO 8 WEEKS PRIOR TO BREEDING:
- Vista 5 VL5 SQ

BLACKLEG PROTECTION (TWO DOSES REQUIRED)

PRIOR TO OR AT WEANING AND REVACCINATE 3 TO 6 WEEKS LATER
SELECT ONE:
- Vision 7
- Cavalry 9
- Vision 8
- Vision 7 Somnus
- Covexin 8
- Vision 8 Somnus

INTERNAL PARASITE CONTROL (RECOMMENDED)

AT WEANING AND PRIOR TO BREEDING
SELECT ONE:
- Safe-Guard
- Panacur

EXTERNAL PARASITE CONTROL (RECOMMENDED)

AT WEANING AND PRIOR TO BREEDING
SELECT ONE:
- Ultra Boss Pour-On Insecticide
- Ultra Saber Pour-On

For home-raised replacement heifers
Replacement heifers are vaccinated three times:
- Administer first vaccines at pre-weaning or weaning
- Administer second vaccination 3 to 6 weeks later (including optional Brucellosis vaccination)
- Third vaccination 2 to 8 weeks prior to breeding

For commingled calves weaned at least 60 days prior to delivery
Calves are vaccinated twice:
- Administer the first vaccines within 24 hours of arrival
- Administer the second vaccination 3 to 6 weeks later and at least 14 days prior to shipping
Products

RESPIRATORY PROTECTION
Only Vista vaccines offer the most complete dual-action pneumonia protection.

Vista Once SQ
Vista Once SQ combines the protection of Vista 5 SQ and Once PMH SQ. It is a 5-way MLV vaccine in combination with avirulent-live Pasteurella multocida and Mannheimia haemolytica.

Protection against:
- *Mannheimia haemolytica*
- *Pasteurella multocida*
- IBR (Infectious Bovine Rhinotracheitis)
- BVD Type 1 (Bovine Viral Diarrhea Type 1)
- BVD Type 2 (Bovine Viral Diarrhea Type 2)
- PI3 (Parainfluenza3)
- BRSV (Bovine Respiratory Syncytial Virus)

Vista 5 SQ
5-way MLV vaccine.

Protection against:
- IBR (Infectious Bovine Rhinotracheitis)
- BVD Type 1 (Bovine Viral Diarrhea Type 1)
- BVD Type 2 (Bovine Viral Diarrhea Type 2)
- PI3 (Parainfluenza3)
- BRSV (Bovine Respiratory Syncytial Virus)

Once PMH IN
The first and only intranasal vaccine against bacterial pneumonia.
Protection against:
- *Mannheimia haemolytica*
- *Pasteurella multocida*

Approved for all ages, including calves 1 week old.

Once PMH SQ
The only avirulent-live dual-action bacterial pneumonia vaccine available.

Protection against:
- *Mannheimia haemolytica*
- *Pasteurella multocida*
BLACKLEG PROTECTION
Tested and trusted clostridial vaccines. Vision vaccines are proven to be the smoothest clostridial vaccines on the market, with less stress and fewer injection site reactions.

Vision 7
7-way clostridial protection:
- Clostridium chauvoei (Blackleg)
- Clostridium septicum (Malignant Edema)
- Clostridium novyi (Black Disease)
- Clostridium sordelli
- Clostridium perfringens Types C and D (Overeating)
- 2mL subcutaneous injection
- Available in 10, 50 and 250 doses

Vision 7 Somnus
7-Way Clostridial/Somnus Protection:
- Clostridium chauvoei (Blackleg)
- Clostridium septicum (Malignant Edema)
- Clostridium novyi (Black Disease)
- Clostridium sordelli
- Clostridium perfringens Types C and D (Overeating)
- Haemophilus somnus (Histophilus somni)
- The only low-dose, 8-way clostridial/somnus combination available
- 2mL subcutaneous injection
- Available in 10 and 50 doses

Vision 8
8-way clostridial protection:
- Clostridium haemolyticum (Redwater)
- Clostridium chauvoei (Blackleg)
- Clostridium septicum (Malignant Edema)
- Clostridium novyi (Black Disease)
- Clostridium sordelli
- Clostridium perfringens Types C and D (Overeating)
- Haemophilus somnus (Histophilus somni)
- The only low-dose, 8-way clostridial/somnus combination available
- 2mL subcutaneous injection
- Available in 10 and 50 doses

Cavalry 9
The only 9-way clostridial protection including tetanus:
- Clostridium chauvoei (Blackleg)
- Clostridium septicum (Malignant Edema)
- Clostridium novyi Type B (Black Disease)
- Clostridium haemolyticum (Redwater)
- Clostridium sordelli
- Clostridium perfringens Types C and D (Overeating)
- Clostridium tetani (Tetanus)
- Available in 10, 50 and 125 doses

Covexin 8
Covexin® 8 protects calves and pregnant cows against 8 clostridial diseases:
- Clostridium chauvoei (Blackleg)
- Clostridium septicum (Malignant Edema)
- Clostridium novyi Type B (Black Disease)
- Clostridium haemolyticum (Redwater)
- Clostridium perfringens Types C and D (Overeating)
- Clostridium tetani (Tetanus)
**Products**

**INTERNAL PARASITE CONTROL**

Safe and proven parasite control.

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**Panacur (fenbendazole) Suspension (Drench)**

- Available from your veterinarian
- For removal and control of lungworms, stomach worms and intestinal worms
- Easy-to-use applicator gun for accurate and stress-free deworming
- One liter deworms 43,478 lb. of cattle
- One gallon deworms 164,565 lb. of cattle
- 2.33 cc/100 lb. of cattle

**Safe-Guard (fenbendazole) Suspension (Drench)**

- Single application
- Low-dose volume
- Easy-to-use applicator gun for accurate and stress-free deworming
- One liter deworms 43,478 lb. of cattle
- One gallon deworms 164,565 lb. of cattle
- 2.33 cc/100 lb. of cattle

Consult your local veterinarian for assistance in the diagnosis, treatment and control of parasitism.

Safe-Guard EN-PRO-AL Molasses Block:

RESIDUE WARNING: Cattle must not be slaughtered within 11 days following last treatment. A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.

Safe-Guard mineral, feed through products and liquid feed:

RESIDUE WARNING: Cattle must not be slaughtered within 13 days following last treatment. For dairy cattle, the milk discard time is zero hours. A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.

Safe-Guard drench and paste:

RESIDUE WARNING: Cattle must not be slaughtered within 8 days following last treatment. For dairy cattle, the milk discard time is zero hours. A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.

**Panacur® (fenbendazole)**

**Horse & Cattle Dewormer**

**Suspension 10% (100 mg/mL)**

- Do not use in horses intended for food.
- Do not use at 10 mg/kg in dairy cattle.
- Do not use at 10 mg/kg in dairy cattle.
- Do not use at 10 mg/kg in dairy cattle. Dose rate of 10 mg/kg in dairy cattle could result in residues exceeding veterinary standards for milk.
- A withdrawal period has not been established for this product in pre-ruminating calves.
- Do not use in calves to be processed for veal.

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

**RESIDUE WARNINGS:**

- For removal and control of lungworms, stomach worms and intestinal worms
- One liter deworms 43,478 lb. of cattle
- One gallon deworms 164,565 lb. of cattle
- 2.33 cc/100 lb. of cattle

**DOSAGE:**

- Beef and Dairy Cattle: 5 mg/kg (2.3 mg/lb) for the control of stomach bots. For dairy cattle, there is no milk withdrawal period at 5 mg/kg. Panacur® (fenbendazole) Suspension 10% is approved for use concomitantly with an approved form of trichlorfon. Trichlorfon is approved for the treatment of stomach bots (Gastriphosphorus spp.) in horses. Refer to the manufacturer’s label for directions for use and cautions for trichlorfon.
- Intestinal worm (adults & 4th stage larvae): Cooperia punctata and C. oncophora (small intestinal worm), Trichostrongylus colubridae (thread-necked intestinal larva), Moniezia benedeni. Moniezia benedeni is approved for the treatment of stomach bots (Gastriphosphorus spp.) in horses. For dairy cattle, there is no milk withdrawal period at 5 mg/kg. Panacur® (fenbendazole) Suspension 10% is approved for use concomitantly with an approved form of trichlorfon. Trichlorfon is approved for the treatment of stomach bots (Gastriphosphorus spp.) in horses. Refer to the manufacturer’s label for directions for use and cautions for trichlorfon.
- Regular deworming at intervals of six to eight weeks may be required for horses.

**EXPIRATION DATE:**

**LOT NUMBER:**

**Distributed by:**

**Millsboro, DE 19966**

**Manufactured by:**

**San Antonio, TX 78215**
Products

EXTERNAL PARASITE CONTROL
Fast-acting, long-lasting insect control.

Ultra-Boss Pour-On
5% Permethrin, 5% Piperonyl Butoxide
- Kills and controls the face flies that spread pinkeye
- Effective against face flies, horn flies, lice, horse flies, stable flies, mosquitoes, black flies and ticks
- Convenient low dose:
  - 3mL per 100 lb. body weight, up to 30mL maximum application limit. Also approved for use in backrubbers.

Ultra Saber Pour-On
1% Lambda-cyhalothrin
- Long-lasting control of horn flies and lice
- Convenient low dose
  - 10mL for animals 600 lb. or less
  - 15mL for animals over 600 lb.

IMPLANTS
Reliable, safe and effective implants for cattle on grass.

Ralgro
- Approved to increase rate of weight gain in suckling calves
- Increases rate of weight gain and feed conversion of weaned beef calves, growing beef cattle, feedlot steers and heifers
- Stimulates animal’s own natural growth system
- Shown to increase weaning weight by as much as 20-35 lb. in calves*

A withdrawal period has not been established for Ralgro and Revalor-G in pre-ruminating calves. Do not use in calves to be processed for veal. For complete information, refer to product label.

Revalor-G
40 mg of trenbolone acetate and 8 mg of estradiol
- Increase rate of weight gain in weaned pasture steers and heifers
- Uses a lower hormone dosage, designed for stocker cattle on pasture
- Implanting gun available

*Data on file
REPRODUCTIVE PROTECTION

Only Vista vaccines offer single-dose fetal protection against BVD for the entire pregnancy.

Vista 5 VL5 SQ

5-way modified-live virus vaccine with *Campylobacter fetus* (vibriosis) and 5-way Leptospirosis protection.

Modified-live virus vaccine, protects against:
- IBR (Infectious Bovine Rhinotracheitis)
- BVD Type 1 (Bovine Viral Diarrhea Type 1)
- BVD Type 2 (Bovine Viral Diarrhea Type 2)
- PI3 (Parainfluenza3)
- BRSV (Bovine Respiratory Syncytial Virus)
- 5 strains of Leptospirosis, including *L. hardjo-bovis*
- *Campylobacter fetus* (vibriosis) protection
YOUR LIVELIHOOD IS OUR RESPONSIBILITY.

On ranches, dairies and feedyards across America, the science of healthier animals is a way of life. It’s this responsibility that drives who we are and what we do.

We’re Merck Animal Health, and we’re dedicated to improving the health and well-being of animals through innovative, science-based products, treatments and services.

Because of your efforts, we all enjoy a dependable, affordable food supply. You have our thanks and support. Please contact your veterinarian, animal health supplier or Merck Animal Health representative for more information.

We’re with you every step of the way.

Visit merck-animal-health-usa.com