



PrimeVAC™

HERD HEALTH PROTOCOLS
BY MERCK ANIMAL HEALTH

**Preconditioning programs for healthier,
higher-value calves**



MERCK
Animal Health



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.

PrimeVAC
BY MERCK ANIMAL HEALTH
CERTIFIED

Ranch Name: _____ Address: _____
 Contact Name: _____ City: _____
 Telephone: _____ State: _____ Zip: _____
 Email: _____
 No. of Head: _____ Breed: _____ Color: _____
 Gender: Steer Heifer Mixed

The values listed on this certificate have completed the health requirements for the following Merck Animal Health preconditioning program.

<p>PROGRAM</p> <input type="checkbox"/> PrimeVAC 24 <input type="checkbox"/> PrimeVAC 34 <input type="checkbox"/> PrimeVAC 34 Premium <input type="checkbox"/> PrimeVAC 45 <input type="checkbox"/> PrimeVAC 45 Premium <input type="checkbox"/> PrimeVAC Procan <input type="checkbox"/> PrimeVAC Heifer	<p>PROTECTION</p> <p>Respiratory</p> <input type="checkbox"/> Vista® Once SQ <input type="checkbox"/> Once PMH® IN <input type="checkbox"/> Once PMH SQ <input type="checkbox"/> Vista 5 SQ	<p>CONTROL</p> <p>Internal Parasite</p> <input type="checkbox"/> Panacur® Suspension <input type="checkbox"/> Safe-Guard® Suspension <p>External Parasite</p> <input type="checkbox"/> Ultra Boss® Pour-On Insecticide <input type="checkbox"/> Ultra Saber® Pour-On
<p>Reproductive</p> <input type="checkbox"/> Vista 5 VLS SQ	<p>Blackleg</p> <input type="checkbox"/> Vision® 7 <input type="checkbox"/> Vision 7 Somnus <input type="checkbox"/> Vision 8 <input type="checkbox"/> Vision 8 Somnus <input type="checkbox"/> Cavalry® 9	<p>PERFORMANCE</p> <p>Implants</p> <input type="checkbox"/> Ralgro® <input type="checkbox"/> Ralgro®-G

Additional Notes: _____

Certified by: _____
 Owner Name: _____
 Owner Signature: _____
 Date: _____

Certified by: _____
 Veterinarian Name: _____
 Veterinarian Signature: _____
 Date: _____

This certificate is provided only as a service to the producer, pastor or entity whose name appears on this form labeled "Owner/Manager". All information is derived from data supplied by the Owner/Manager, who is solely responsible for its accuracy and use. Merck Animal Health makes no warranty, express or implied, regarding the accuracy, reliability, completeness, timeliness, usefulness, or legality of any information. Such information is provided "as is" and should be verified by the user before relying upon it for any purpose.

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Calves are vaccinated once at 3-4 months of age.

RESPIRATORY PROTECTION (ONE DOSE REQUIRED)

Vista® Once SQ or Vista 5 SQ
and Once PMH® IN or SQ

BLACKLEG PROTECTION (ONE DOSE 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® (fenbendazole)
Panacur® (fenbendazole)

EXTERNAL PARASITE CONTROL (RECOMMENDED)

SELECT ONE:

Ultra Boss® Pour-On Insecticide
Ultra Saber® Pour-On

IMPLANT (OPTIONAL)

Ralgro® (zeranol)

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 8
Vision 7 Somnus	Vision 8 Somnus
Cavalry 9	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 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 RE Vaccinate WITH:

Vista Once SQ or Vista 5 SQ and Once PMH IN or 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)

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

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

AT WEANING:

Ralgro or Revalor®-G

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 (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

AT WEANING:

Ralgro or Revalor®-G

PrimeVAC Precon

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

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

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

PrimeVAC Heifer

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

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

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

Products

RESPIRATORY PROTECTION

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



10 dose
50 dose

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)



10 dose
50 dose

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)



10 dose
50 dose
25 x 1 dose

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.



10 dose
50 dose

Once PMH SQ

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

Protection against:

- *Mannheimia haemolytica*
- *Pasteurella multocida*

Products

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, 7-way clostridial/somnus combination available
- 2mL subcutaneous injection
- Available in 10, 50 and 250 dose

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)
- 2mL subcutaneous injection
- Available in 10 and 50 doses

Vision 8 Somnus

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.



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
- 2.33cc/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
- 2.33cc/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 Protein Block:

RESIDUE WARNING: Cattle must not be slaughtered within 16 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)

► RESIDUE WARNINGS: ◀

- Do not use in horses intended for food.
- Cattle must not be slaughtered for human consumption within 8 days following treatment.
- Do not use at 10 mg/kg in dairy cattle. Dose rate of 10 mg/kg is for beef cattle only. Dose rate of 10 mg/kg in dairy cattle could result in violative residues in 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.

Keep this and all medication out of the reach of children.

1,000 mL (33.8 fl.oz)

10 mg/kg (4.6 mg/lb) for the control of ascarids (*Parascaris equorum*). EXAMPLE: (10 mg/kg); 2.3 mL/50 lb; 23 mL/500 lb

Beef and Dairy Cattle: 5 mg/kg (2.3 mg/lb) for the removal and control of:

Lungworm: (*Dictyocaulus viviparus*).

Stomach worm (adults): *Ostertagia ostertagi* (brown stomach worm). **Stomach worm (adults & 4th stage larvae):** *Haemonchus contortus/pla-cei* (barberpole worm), *Trichostrongylus axei* (small stomach worm).

Intestinal worm (adults & 4th stage larvae): *Bunostomum phlebotomum* (hookworm), *Nematodirus helvetianus* (thread-necked intestinal worm), *Cooperia punctata* and *C. oncophora* (small intestinal worm), *Trichostrongylus colubriformis* (bankrupt worm), *Oesophagostomum radiatum* (nodular worm).

Beef Cattle Only - 10 mg/kg (4.6 mg/lb) for the removal and control of:

Stomach worm (4th stage inhibited larvae): *Ostertagia ostertagi* (Type II *Ostertagiasis*).

Tapeworm: *Moniezia benedeni*.

► Do not use in dairy cattle at 10 mg/kg ◀

In beef and dairy cattle, the recommended dose of 5 mg/kg is achieved when 2.3 mL of the drug are given for each 100 lb of body weight. In beef cattle only, the recommended dosage of 10 mg/kg for the treatment of *Ostertagiasis* Type II

DOSAGE:

Horses: 5 mg/kg (2.3 mg/lb) for the control of large strongyles (*Strongylus edentatus*, *S. equinus*, *S. vulgaris*, *Triodontophorus* spp.), small strongyles (*Cyathostomum* spp., *Cylicocycylus* spp., *Cylicostephanus* spp., *Cylicodontophorus* spp.), and pinworms (*Oxyuris equi*). EXAMPLE: 2.3 mL/100 lb; 23 mL/1,000 lb

(inhibited 4th stage larvae) or tapeworm is achieved when 4.6 mL of the drug is given for each 100 lb of body weight.

EXAMPLES: (Horses and Cattle)

887706-B

Dose (5 mg / kg)	Dose (10 mg / kg)	Animal Weight
2.3 mL	4.6 mL	100 lb
4.6 mL	9.2 mL	200 lb
6.9 mL	13.8 mL	300 lb
9.2 mL	18.4 mL	400 lb
11.5 mL	23.0 mL	500 lb
23.0 mL	46.0 mL	1,000 lb
34.5 mL	69.0 mL	1,500 lb

DIRECTIONS:

Beef and Dairy Cattle and Horses: Determine the proper dose according to estimated body weight. Administer orally by suitable dosing syringe. Insert nozzle of syringe through the interdental space and deposit the drug on the back of the tongue by depressing the plunger. The drug may also be administered by stomach tube. There are no known contraindications to the use of the drug in cattle or 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 (*Gasterophilus* 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.

Under conditions of continued exposure to parasites, retreatment of cattle may be needed after 4-6 weeks.

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.



10 dose
50 dose

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-ovis*
- *Campylobacter fetus* (vibriosis) protection

NOTES



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

