

## MERCK ANIMAL HEALTH

Intervet Inc.

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### Guardian®

#### Intervet/Merck Animal Health

#### **BOVINE ROTAVIRUS-CORONAVIRUS VACCINE, KILLED VIRUS, CLOSTRIDIUM PERFRINGENS TYPES C & D-ESCHERICHIA COLI BACTERIN-TOXOID**

Guardian® vaccine is a multiple antigen product which includes a cell-free extract of K99 pilus type of *Escherichia coli*, a unique combination of two inactivated coronaviruses, two G-types of inactivated rotaviruses and a bacterin-toxoid from *Clostridium perfringens* Types C and D. It is recommended for use in healthy pregnant heifers and cows as an aid in the prevention of neonatal calf diarrhea caused by enterotoxigenic *E. coli* pilus type K99, bovine Group A Serotype G6 rotaviruses, enterotoxemia caused by *C. perfringens* Types C and D, and as an aid in the control of neonatal calf diarrhea caused by bovine coronaviruses.

**DOSAGE:** Using aseptic technique, inject healthy pregnant cattle with 2 mL subcutaneously 3 months prior to calving. Repeat in 3 - 6 weeks following initial vaccination. For subsequent calvings, revaccinate with a single 2 mL dose 5 - 7 weeks before calving. For *E. coli*, protection was shown when the first dose was given as early as 6 months prior to calving.

**CAUTION:** Store at 2° to 7°C (35° to 45°F). Do not freeze. Shake well before use. Use entire contents when first opened. Do not vaccinate within 60 days before slaughter. Transient local reaction may occur at the injection site. If allergic response occurs, administer epinephrine.

**PRESERVATIVES:** Gentamicin and thimerosal.

#### **FOR ANIMAL USE ONLY**

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1-800-521-5767

For Patent info.: <http://www.merck.com/product/patent/home.html>

		Code	
10 Doses	20 mL	065302	149909-16
50 Doses	100 mL	065307	139916-16

**CPN:** 1047241.6