



FOR ANIMAL TREATMENT ONLY

COOPERS[®]
BOVILIS[™] MH
 MANNHEIMIA HAEMOLYTICA VACCINE FOR CATTLE

INACTIVATED *Mannheimia haemolytica*
 Strain x387 (leucotoxin producing) min. input 1x10⁷ orgs/mL
 Strain x332 min. input 1x10⁸ orgs/mL

PRESERVATIVES:
 0.1 mg/mL Thiomersal
 0.1 mg/mL Polymixin B sulphate

**An aid in the control
 of cattle respiratory
 disease caused by
*Mannheimia haemolytica.***



250 mL



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READ DIRECTIONS FOR USE BEFORE USING THIS PRODUCT.
DIRECTIONS FOR USE:
 Shake well to mix before use and keep mixed during use.

EQUIPMENT:
 The vaccine bottle is designed so that it can be used with an automatic vaccinating gun. To connect bottle to automatic vaccinator attach the plain tube end of the draw-off assembly to the automatic vaccinator and the other end to the bottle. Suspend the bottle from the shoulder by means of the plastic cradle and the carrying strap. Eject air from the vaccinator and tubing until vaccine flows through the needle.

CAUTION: DISCARD IF PREVIOUSLY FROZEN.
OPENED BOTTLES SHOULD BE USED PREFERABLY WITHIN 24 HOURS OF INITIAL OPENING.
RE-OPENING INCREASES THE RISKS OF VACCINE CONTAMINATION.

SIDE EFFECTS:
 Vaccination may cause a small swelling at the site of injection that will eventually resolve. A rise in internal body temperature will also occur, returning to normal within 24-48 hours post-vaccination. This may result in some temporary loss of appetite.

USER SAFETY INFORMATION:
AVOID ACCIDENTAL INOCULATION.
 Accidental self-injection may cause inflammatory or allergic response and medical advice should be sought in these cases. Clean the damaged area with a suitable disinfectant and seek medical advice.

SAFETY DIRECTIONS:
 Repeated exposure may cause allergic disorders.
 Wash hands after use.

WITHHOLDING PERIOD: NIL

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Bovine Respiratory Disease (BRD) is a complex disorder of feedlot cattle. It is caused by a combination of infectious agents and stress factors acting on susceptible cattle. Stress factors that can compromise animals include weaning, transport and mixing, weather extremes, dust, feedlot induction, change of diet and pen competition. Several viruses and bacteria, including *Mannheimia haemolytica*, have been shown to be involved in the development of BRD. A trial has demonstrated that vaccination with Coopers Bovilis[™] MH confers protection on yearling steers against experimental challenge with field strains of *Mannheimia haemolytica*, and field experience indicates that Coopers Bovilis[™] MH can make a useful contribution to the overall management of BRD.

DESCRIPTION:
 Coopers Bovilis[™] MH is a killed whole cell and leucotoxin containing vaccine for cattle. It is recommended as an aid in the control of respiratory disease caused by the organism *Mannheimia haemolytica*.

SAFETY:
 Coopers Bovilis[™] MH has been shown to be safe when administered to cattle at the recommended dose. Each batch of vaccine is tested before release to ensure that each batch meets release criteria.

INDICATIONS:
 Coopers Bovilis[™] MH is used as an aid in the control of respiratory disease caused by the organism *Mannheimia haemolytica*.

DOSE AND ADMINISTRATION:
 2 mL subcutaneous injection.
 The recommended site of injection is that used for routine injection in cattle, i.e., under the skin on the side of the neck.

Vaccinate cattle twice approximately 3 to 4 weeks apart.
WARNING FOR SUBCUTANEOUS INJECTIONS:
CAUTION: Avoid carcass damage.

1. Sterilise all injection apparatus by boiling for at least 20 minutes before use. Avoid use of strong disinfectants on apparatus. Cool before use.
2. Maintain cleanliness at all times.
3. Keep needles sharp at all times. Replace frequently.
4. As far as possible avoid injection of animals during wet weather or under dusty conditions.
5. This product should be injected only under the skin.

VACCINATION PROGRAM:
 It is recommended that cattle should be vaccinated twice with a 2 mL subcutaneous injection 3 to 4 weeks apart.

WARRANTY:
 Intervet Australia Pty Ltd (IAPL) warrants that this product is of merchantable quality and fit for its intended purpose. IAPL's liability for any loss, including consequential losses or injury caused by act or omission, including negligent acts or omissions, by IAPL or its agent, is limited to replacing or repairing the product at the option of IAPL. If possible, a sample of any product causing concern should be retained or delivered to IAPL within 30 days for a scientific examination.

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TRADE ADVICE:
 EXPORT SLAUGHTER INTERVAL (ESI): ESI not required.
FIRST AID:
 If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone Australia 131 126.
DISPOSAL:
 Dispose of empty container by wrapping with paper and putting in garbage.
STORAGE:
 Store between 2°C and 8°C (Refrigerate. DO NOT FREEZE).
Discard if previously frozen.

APVMA Approval No.: 55767/250M/0909

Batch No.:
 Expiry Date: **AREA D**

COOPERS ANIMAL HEALTH
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 100 x 80 x 136 mm
 PMS 123 + PMS 293 + PMS 327 + BLACK

