

Pulmo-guard™ PH-M

Mannheimia (Pasteurella) haemolytica and Pasteurella multocida Vaccine

Description

Mannheimia Haemolytica-Pasteurella Multocida Bacterin-Toxoid. Pulmo-guard™ PH-M contains leukotoxoid and antigens from chemically inactivated cultures of multiple isolates of *Mannheimia haemolytica* and *Pasteurella multocida* Type A-1 in a double adjuvant.

Features

Ready-to-use.

Sub-Q administration; 2 mL dose.

Broad spectrum of antigens plus leukotoxoids.

No antibiotic restrictions.

Unique adjuvant.

Benefits

Easy-to-handle; no product loss from vial to vial mixing.

Meets BQA guidelines for low dose and Sub-Q administration.

Use in conjunction with systemic antibiotics.

Advantages

Excellent efficacy supported by successful field use and scientific data.

Dosage & Administration

Using aseptic technique inject 2 mL Sub-Q or IM in the middle of the neck. Repeat in 14 to 28 days. Annual revaccination is recommended.

Precautions

Store below 45° F (7° C). Do not freeze. Use entire contents when first opened. Shake well. Do not vaccinate within 60 days before slaughter. Following Sub-Q use, persistent swelling may occur at the injection site. Anaphylactoid reactions may occur. Antidote: Epinephrine.

Highlights

- Ready-to-use. No vial to vial transfer necessary.
- Meets BQA guidelines.
- Scientifically derived efficacy data and field use supports.
- Use in conjunction with systemic antibiotics.

Uses

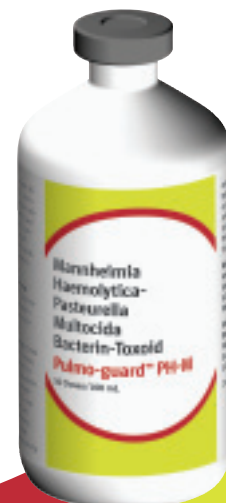
Pulmo-guard PH-M is recommended for vaccination of healthy cattle 30 days of age or older as an aid in prevention of respiratory disease associated with *M haemolytica* and *P multocida*.

Warning

Delayed and intermediate hypersensitivity reactions should be treated symptomatically. Hypersensitivity reactions, including delayed hypersensitivity or death, may occur with a biological product and can cause reduced milk production in lactating dairy cattle.

Product Information

Name	Code	Size
Pulmo-guard™ PH-M	402-311	20 mL 10 doses
	402-331	100 mL 50 doses



Exp. Date:

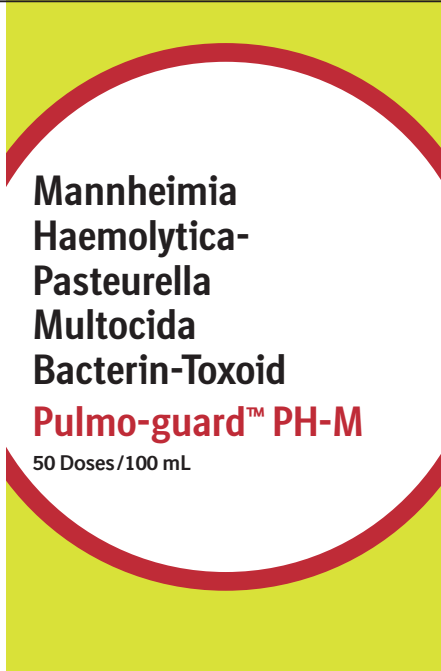
Serial No.:



Indications: For use in cattle 30 days of age or older as an aid in the prevention of respiratory disease due to *M. haemolytica* and *P. multocida*. This product contains a toxoid as well as cell associated antigens from multiple isolates of *M. haemolytica* Type A-1.

Administration and Dosage: Shake well. Inject 2 mL subcutaneously in the neck. Repeat in 14-28 days. Annual revaccination is recommended.

Precautions and Warnings: Store below 45°F (7°C). Do not freeze. Use entire contents when first opened. Do not vaccinate within 60 days of slaughter. Epinephrine should be on hand in case of anaphylaxis. Delayed and intermediate hypersensitivity reactions should be treated symptomatically. Hypersensitivity



**Mannheimia
Haemolytica-
Pasteurella
Multocida
Bacterin-Toxoid
Pulmo-guard™ PH-M**
50 Doses/100 mL

reactions, including delayed hypersensitivity, or death may occur with a biological product and can cause reduced milk production in lactating dairy cattle. Persistent swelling may occur at the injection site.

Manufactured By:
American Animal Health, Inc.
Grand Prairie, Texas 75052-7610
U.S.A.

Veterinary License No. 315

Manufactured For:
Boehringer Ingelheim
Vetmedica, Inc.
St. Joseph, Missouri 64506
U.S.A.

Code 402-331

02303-02

Boehringer Ingelheim Vetmedica, Inc.
2621 North Belt Highway • St. Joseph, MO 64506-2002
Information 800-325-9167 • Sales Service 800-325-9167 • Fax 816-236-2717
www.bi-vetmedica.com