

# M+PAC<sup>®</sup>

## MYCOPLASMA HYOPNEUMONIAE BACTERIN

Recommended for use as an aid in the prevention of pneumonia caused by *Mycoplasma hyopneumoniae* infection in swine. M+PAC bacterin contains the proprietary dual adjuvant EMUNADE<sup>®</sup>.

Aids in prevention of pneumonia caused by *Mycoplasma hyopneumoniae* infection.

### Advantages

Optional dose approval to fit operations' needs for either 1-dose or 2-dose programs

- Convenient administration timing
  - 1 mL at 7 days of age or older followed by 1 mL 14 days later
  - One 2 mL dose at 6 weeks of age or older
- Proven in millions of vaccinated pigs
  - Significant reduction in lung lesion scores
  - Less coughing
  - High level of cell-mediated immunity
  - High-antibody titers
- Contains Emunade<sup>®</sup> dual-acting adjuvant:
  - Fast-acting, long lasting protection
  - Low tissue reaction
  - Excellent syringeability
  - Measurable serological response
  - Proven safe for use in 1-week-old pigs
- One 2 mL dose protects vaccinated pigs for at least 4 months



Code: 065346	100 mL	Code: 065357	500 mL
	50 doses at 2 mL x 1		250 doses at 2 mL x 1
	100 doses at 1 mL x 2		500 doses at 1 mL x 2

## MYCOPLASMA HYOPNEUMONIAE BACTERIN

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### INDICATIONS AND CONTENTS:

Recommended for use as an aid in the prevention of pneumonia caused by *Mycoplasma hyopneumoniae* infection in swine. M+PAC bacterin contains the proprietary dual adjuvant EMUNADE®.

### DOSAGE AND DIRECTIONS:

For vaccination of healthy swine. Use aseptic technique. Vaccinate pigs subcutaneously or intramuscularly at 7–10 days of age or older with a 1 mL dose, followed by a second 1 mL dose 14 days later. **For herds that use a single-dose program, vaccinate pigs intramuscularly at 6 weeks of age or older with a single 2 mL dose.**

Intramuscular vaccination with a single 2 mL dose of M+PAC® at 6 weeks of age has been demonstrated to provide at least 4 months duration of immunity.

### DURATION OF IMMUNITY:

Published research\* indicates that vaccination with a 1 mL dose of M+PAC® followed by revaccination 14 days or more after the first dose has been shown to be protective, based on lung consolidation and lesion scores, for up to six months.

### CAUTION:

Store at 35°–45°F (2°–7°C). Do not freeze. Use entire contents when first opened. Do not vaccinate within 21 days of slaughter. Transient local reaction may occur at the injection site. Anaphylactoid reactions may occur after use.

### ANTIDOTE:

Ephinephrine. Extreme caution should be used when injecting oil emulsion vaccines to avoid injecting your own finger or hand. Accidental injection can cause serious local reaction. Contact a physician immediately if accidental injection occurs.

### PRESERVATIVES:

Ampicillin, gentamicin and thimerosal.

### \*REFERENCE:

F. Etoré; J.M. Guillaume; A. Keita; V. de Haas; M. Francis; H. Jayappa; D. Sweeney; T. Wasmoen Schering-Plough Animal Health, Levallois-Perret, France; Anilab, Malestroit, France CTPA, Ploufragan, France; Harefield, United Kingdom; Elkhorn, Nebraska. Evaluation of safety and efficacy of *Mycoplasma hyopneumoniae* bacterin (M+PAC®) when administered as single and two dose under field condition. *American Association of Swine Veterinarians*, 2005; 235.

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\*U.S. Patent Nos. 5,650,155 and 5,667,784

### READ AND FOLLOW LABEL DIRECTIONS

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