**Description**

_Bordetella bronchiseptica_ and _Pasteurella multocida_ Type D Bacterin-Toxoid.

**Features**

Ingelvac AR4 dual toxoid delivers a wider range of protection. Ingelvac AR4 is unique in its ability to protect against toxigenic strains of _Bordetella_ as well as _Pasteurella multocida_ Type A&D. Intramuscular or subcutaneous administration.

**Benefits**

Broadest toxoid protection available. Helps pigs generate antibodies that neutralize the toxin produced by toxigenic strains of _Bordetella bronchiseptica_. _Bordetella bronchiseptica_ toxin antibodies may stop the problem before _Pasteurella_ gets a foothold. Bacterin-toxoid means that the vaccine contains not only the bacteria itself, but also a toxoid that helps the pig generate antibodies to neutralize the toxin produced by both _Bordetella bronchiseptica_ and _Pasteurella multocida_ Type A&D.

**Advantages**

Ingelvac AR4 is the only dual-toxoid atrophic rhinitis product available.

- Low volume 1 mL pig dose.
- Flexible administration.

**Dosage & Administration**

**Sows and GILTS:** Using aseptic technique, inject 2 mL intramuscularly 5 weeks prior to farrowing. Repeat with a second 2 mL dose 2 to 3 weeks prior to farrowing. Administer one 2 mL dose 2 to 3 weeks prior to each subsequent farrowing.

**PIGS:** Using aseptic technique, vaccinate intramuscularly or subcutaneously with 1 mL prior to weaning. Recommended revaccination of pigs is 2 to 3 weeks later.

**Precautions**

Store out of direct sunlight at a temperature not over 45°F (7°C). Avoid freezing. Shake well before using. Use entire contents when first opened. Anaphylactoid reactions may occur. Antidote: Epinephrine.

**Uses**

Ingelvac AR4 is recommended for the vaccination of healthy, susceptible swine against atrophic rhinitis caused by toxigenic _Bordetella bronchiseptica_ and _Pasteurella multocida_ toxigenic Type A&D. Protection in the piglet is provided by the maternal antibodies in colostrum. Therefore, piglets should receive colostrum from the vaccinated sow as soon as possible after birth. Vaccination of the piglet is also necessary for active immunity.

**Warning**

Do not vaccinate within 21 days before slaughtering.

**Product Information**

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<td>Ingelvac®AR4</td>
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<td>50 doses 100 mL</td>
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**Indications:** Recommended for the vaccination of healthy, susceptible swine against atrophic rhinitis caused by toxigenic *Bordetella bronchiseptica* and *Pasteurella multocida* toxigenic Type D and protects against toxin produced by *Pasteurella multocida* toxigenic Type A. Protection in the piglet is provided by the maternal antibodies in colostrum. Therefore, piglets should receive colostrum from the vaccinated sow as soon as possible after birth. Vaccination of the piglet is also necessary for protection.

**Dosage:**
- Sows and Gilts: Using aseptic technique, inject 2 mL intramuscularly 5 weeks prior to farrowing. Repeat with a second 2 mL dose 2 to 3 weeks prior to farrowing. Administer one 2 mL dose 2 to 3 weeks prior to each subsequent farrowing.
- Pigs: Using aseptic technique, vaccinate intramuscularly or subcutaneously with 1 mL prior to weaning. Recommend revaccination of pigs in 2 to 3 weeks.

**Precautions:** Store out of direct sunlight at a temperature between 35-45°F (2-7°C). Avoid freezing. Shake well. Use entire contents when first opened. Do not vaccinate within 21 days before slaughter. Anaphylactoid reactions may occur.

**Antidote:** Epinephrine.

**Preservative:** Gentamicin.

**Boehringer Ingelheim Vetmedica, Inc.**
St. Joseph, MO 64506 U.S.A.

U.S. Veterinary License No. 124
(800) 323-7527
Code 123-135; 23118-02

**BIVI Alternatives**

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<th>Toxigenic Pasteurella multocida A</th>
<th>Toxigenic Pasteurella multocida D</th>
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<th>Erysipelothrix</th>
<th>Hemophilus parasuis</th>
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