

# Ingelvac Provenza™

## SWINE INFLUENZA VACCINE H1N1 AND H3N2 MODIFIED LIVE VIRUS

### Description:

Ingelvac Provenza™ is an intranasally administered live attenuated influenza A virus vaccine that offers protection against influenza A virus in swine (IAV-S).<sup>1</sup>

### Advantages:

Ingelvac Provenza™

- Safe to administer to growing pigs as early as day one.
- Protects against heterologous strains<sup>1</sup>
- Reduces nasal shedding<sup>1</sup>
- Provides protection at the site of natural IAV-S infection<sup>2,3</sup>

### Directions and dosage:

Rehydrate the vaccine by adding the accompanying diluent to the vaccine vial. Mix well and use immediately. Administer a single 1 mL dose **intranasally** into one nostril.\* The need for annual booster vaccinations has not been established for this product; consultation with a veterinarian is recommended.

### Uses:

This product has been shown to be effective for the vaccination of healthy pigs 1 day of age or older against influenza virus strains H1N2 and H3N2. For more information regarding efficacy and safety data, go to [productdata.aphis.usda.gov](http://productdata.aphis.usda.gov).

### Highlights:

- Ingelvac Provenza™ protects against multiple IAV-S strains<sup>1</sup>
- Decreases nasal shedding, which reduces transmission in a population<sup>1</sup>
- Live attenuated influenza vaccine breaks through maternal antibodies to stimulate immunity<sup>4</sup>
- Provides protection before pigs are most vulnerable (eg, commingling, weaning)<sup>5</sup>
- Intranasal administration provides protection at the site of natural IAV-S infection<sup>2,3</sup>

### Product Information:

Name	Code	Size
Ingelvac Provenza™	125923	50 doses
Neogen® Prima® Mist nozzle*	144002	



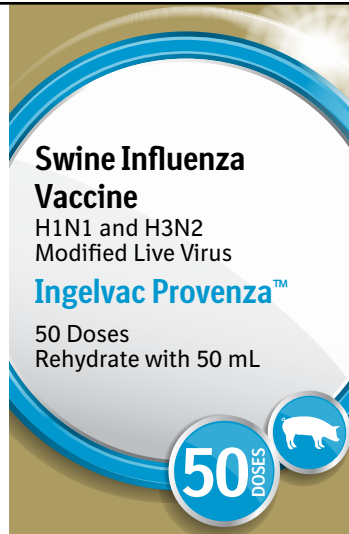
\* Complimentary Neogen® Prima® Mist nozzle must be listed by separate product code when ordering.

Serial No.:  
Exp. Date:

This product has been shown to be effective for the vaccination of healthy pigs 1 day of age or older against influenza virus strains H1N2 and H3N2. For more information regarding efficacy and safety data go to [productdata.aphis.usda.gov](http://productdata.aphis.usda.gov).

**Directions and dosage:** Rehydrate the vaccine by adding the accompanying diluent to the vaccine vial. Mix well and use immediately. Administer a single 1 mL dose **intranasally** into one nostril. See carton for complete directions.

**Precautions:** Store at 35–46°F (2–8°C). Do not freeze. Use entire contents when first opened. Do not vaccinate within 21 days before



slaughter. Do not mix with other biological products. In case of anaphylactoid reaction, administer epinephrine. This product has not been tested in pregnant animals. Inactivate unused contents before disposal.

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VLN/PCN 124/19A5.R2**



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### Precautions/Warnings:

Store at 35–46°F (2–8°C). Do not freeze. Use entire contents when first opened. Do not vaccinate within 21 days before slaughter. Do not mix with other biological products. In case of anaphylactoid reaction, administer epinephrine. This product has not been tested in pregnant animals. Inactivate unused contents before disposal.

Wear appropriate personal protective equipment to avoid inhalation and contact with eyes and skin. For more information on personal protective equipment, consult current OSHA guidance for Commercial Swine Farmers and Pork Producers. Wash hands thoroughly after handling.

Accidental inhalation or contact may result in eye irritation, cough, fever, fatigue, chills, headache, runny nose, and/or congestion. If these symptoms persist for more than 24 hours, seek medical attention.

It is recommended that immunocompromised individuals not handle or otherwise be exposed to this product. Pregnant women should consult their medical practitioner before working with this product.

**References:** 1. BIAH studies #2013200, 2013232, and 2014001 published on <http://productdata.aphis.usda.gov>. 2. Vincent AL, Ma W, Lager KM, et al. Efficacy of intranasal administration of a truncated NS1 modified live influenza virus vaccine in swine. *Vaccine*. 2007;25:7999–8009. 3. Janke BH. Influenza A virus infections in swine: Pathogenesis and diagnosis. *Vet Pathol*. 2014;51:410–426. 4. Genzow M, Goodell C, Kaiser TJ, Johnson W, Eichmeyer M. Live attenuated influenza virus vaccine reduces virus shedding of newborn piglets in the presence of maternal antibody. *Influenza Other Respir Viruses*. 2017;00:1–7. doi:10.1111/irv.12531. 5. Alvarez J, Sarradell J, Kerkaert B, et al. Association of the presence of influenza A virus and porcine reproductive and respiratory syndrome virus in sow farms with post-weaning mortality. *Prev Vet Med*. 2015;121:240–245.

### Boehringer Ingelheim Vetmedica, Inc.

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