

Argus[®] SC/ST with BluShadow[®] Diluent

SALMONELLA CHOLERAESUIS VACCINE

Avirulent Live Culture and Sterile Diluent

For healthy swine 3 weeks of age or older; used as an aid in the prevention of pneumonia, diarrhea, septicemia and mortality caused by *S. choleraesuis* and as an aid in the control of disease and shedding caused by *S. typhimurium*.

Advantages

- Avirulent live *Salmonella choleraesuis*
- Proven protection against BOTH *Salmonella choleraesuis* and *Salmonella typhimurium*
- Patented gene-deletion assures high antigenic expression and the vaccine cannot virulence
- Deletions stable after *in vitro* or *in vivo* backpassage
- Effectively controls pneumonia, diarrhea, septicemia and mortality caused by *Salmonella choleraesuis*
- Effectively controls disease and shedding of *Salmonella typhimurium*
- Recommended for use in pigs 3 weeks of age and older
- Mass oral vaccination through drinking water saves labor
- BluShadow[®]—Blue colored diluent for easy observation of vaccine through proportioner



SUPPLIED: Code: 030226
Size: 5-30 mL 100 dose vials
(500 doses)

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INDICATIONS AND CONTENTS:

S. choleraesuis vaccine is used as an aid in the prevention of pneumonia, diarrhea, septicemia and mortality caused by *Salmonella choleraesuis* and as an aid in control of disease and shedding caused by *S. choleraesuis* and an aid in control of *S. typhimurium*. This product contains an avirulent live culture of *S. choleraesuis* for mass oral vaccination through the drinking water.

WATER ADMINISTRATION:

This product was developed to be used exclusively by the oral route. Aseptically rehydrate the contents of the desiccated vial with enclosed diluent. Shake well. Add to the water delivery system using the appropriate ratio to achieve the delivery of the appropriate vaccine dose per pig (see **Table 1** for details). Water may be withheld for 1–2 hours before vaccination. Occasional remixing of the vaccine solution 2 to 3 times during the vaccination procedure aids in assuring a uniform dose for all swine.

DIRECTIONS:

Administer to healthy swine 3 weeks of age or older. Each rehydrated 30 mL vial treats 100 pigs.

WATER ADMINISTRATION ONLY:

This product was developed to be used exclusively by the oral route of administration.

WATER DELIVERY OF VACCINE:

- Do not open or mix Argus[®] SC/ST until ready to vaccinate.
- Remove all medications, sanitizers and disinfectants from drinking water before initiating oral vaccination.
- Flush watering system with nonchlorinated/non-treated clean water to eliminate any antibacterial agents.
- Water may be withheld for one to two (1–2) hours before vaccination.
- **Rehydrate each 100 dose vial of Argus[®] SC/ST with accompanying 30 mL BluShadow[®] diluent.**
- Set proportioner to deliver 1 oz. (30mL) of hydrated Argus[®] SC/ST per 1 gallon (3.75 liters) of water.
- If necessary, make a dilution, according to **Table 1**, using a clean container with clean non-treated water.
- Insert proportioner hose into the stock solution with the Argus[®] SC/ST and start water flow until all vaccine solution has been consumed. Flush the vaccine container with clean non-treated water. The pigs should consume vaccine within the first 3–4 hours after hydration of the vaccine.
- Once the Argus[®] SC/ST has been dispensed and the proportioner has delivered all fluids, return to non-treated water flow. Do not use antibiotics, sulfonamides or other medications in feed or water for 3 days before and 3 days after vaccination.

Table 1.

Body Weight (Lbs.)	Average Water Consumption in US Gallons Per 100 Animals in a 4-Hour Period ¹	Final Stock Solution Volume in Ounces (oz.)
10	3.0 gal.	3.0 oz.
15	4.5	4.5
20	6.0	6.0
25	7.5	7.5
50	15.0	15.0
75	22.5	22.5
100	30.0	30.0
150	45.0	45.0
200	60.0	60.0
≥250	75.0	75.0

¹Calculations based on average daily water consumption of 15% of body weight. Young pigs or lactating sows may consume up to 20% of body weight.

NOTE: 1 fluid ounce (oz.) = 30 mL

16 fluid oz. = 1 pint

32 fluid oz. = 1 quart

128 fluid oz. = 1 US gallon

EXAMPLE:

For vaccination of 100 pigs, average weight 25 lbs.: Identify the row for 25-lb. pigs and then select the average water consumption values for 25-lb. pigs (7.5 gallons per 100 pigs per 4 hours). Rehydrate Argus[®] SC/ST with the provided diluent. Add the rehydrated Argus[®] SC/ST to enough clean water (approximately 4 oz.) to make 7.5 ounces of final stock solution. Deliver the stock solution at the rate of one ounce per gallon.

If you require additional assistance please call 1-800-521-5767.

PRECAUTIONS:

Do not vaccinate within 21 days before slaughter. Do not use antibiotics, sulfanamides or other medications in feed or water for 3 days before and 3 days after vaccination. In case of anaphylactoid reaction, epinephrine should be administered immediately.

Store at 2°C–7°C (35°F–45°F). Do not freeze.

Use entire contents when first opened.

Burn containers and all unused contents.

*U.S. patent Registration Nos. 5,468,485 and 5,378,744

READ AND FOLLOW LABEL DIRECTIONS

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