

# Argus<sup>®</sup> SC/ST

## SALMONELLA CHOLERAESUIS VACCINE

Avirulent Live Culture

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*
- Effectively controls pneumonia, diarrhea, septicemia and mortality caused by *Salmonella choleraesuis*
- Effectively controls disease and shedding of *Salmonella typhimurium*
- Patented gene deletion assures high antigenic expression and the vaccine cannot revert to virulence
- Gene deletions are stable after *in vitro* or *in vivo* backpassage
- Mass oral vaccination through drinking water saves labor
- Recommended for use in pigs 3 weeks of age and older
- Convenient packaging: 10 X 100-dose carton without diluent; accordion label on each bottle for easy dispensing instructions



SUPPLIED: Code: 065182  
Size: 10 X 30 mL 100-dose vials  
(1,000 doses)

# Argus<sup>®</sup>-SC/ST

## SALMONELLA CHOLERAESUIS VACCINE

Virulent Live Culture

### VACCINE FOR WATER DELIVERY ONLY:

*S. choleraesuis* vaccine is 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*.

### DIRECTIONS:

Administer to healthy swine 3 weeks of age or older.

### 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<sup>®</sup> SC/ST until ready to vaccinate.
- Remove all medications, sanitizers and disinfectants from drinking water before initiating oral vaccination and flush watering system to eliminate any residuals.
- Water may be withheld for one to two (1–2) hours before vaccination.
- Wearing protective gloves, rehydrate each vial of Argus<sup>®</sup> SC/ST (desiccated cake) by removing the metal ring and rubber stopper; partially fill vial with cool, clean water (suggest 30mL/100 dose vial); replace and hold stopper firmly; agitate gently until contents fully dissolve.
- Place the vial(s) contents into the proportioner reservoir, along with additional cool, clean water to provide a final stock solution volume to run 4–6 hours of delivery, as determined by the number and size of pigs, estimated in **Table 1**.
- Set proportioner to deliver 1 ounce (30 mL) per gallon (3.75 L) into the drinking water.
- Insert proportioner hose into Argus<sup>®</sup> SC/ST final stock solution and engage into drinking water line flow. Occasional remixing of the vaccine solution 2 to 3 times during the vaccination procedure aids in assuring a uniform dose for all swine. Pigs should consume vaccine within 4–6 hours after its rehydration.
- When all vaccine solution has been consumed, return to non-treated water flow. Disinfect and rinse the reservoir.
- Do not use antibiotics, sulfonamides or other medications in feed or water for 3 days before and 3 days after vaccination.

### CALCULATIONS:

(90 pigs: 90 hd ÷ 100 ds x 7.5 oz. = 6.75 oz. x 30 mL/oz. = 202.5 mL final volume)

(100 pigs: 100 hd ÷ 100 ds x 7.5 oz. = 7.5 oz. x 30 mL/oz. = 225 mL final volume)

(Universal: no. hd ÷ 500 ds x no. oz. per 500 hd = no. oz. x 30 mL/oz. = no. mL final volume)

**Table 1. Estimating doses to use: rehydrate with 30 mL/100 doses vial = 10 doses/3 mL**

Body Weight (Lbs.)	Average Water Consumption in US Gallons Per 100 Animals in a 4 Hour Period <sup>1</sup>	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

<sup>1</sup>Calculations 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:

To vaccinate 90 pigs averaging 25 lbs./hd., following across the row for 25 lb. pigs shows that 100 pigs consume approximately 7.5 gallons drinking water over a 4-hour period, requiring 7.5 oz. of final stock solution; rehydrate one 100 dose vial of Argus<sup>®</sup> SC/ST with a measured 30 mL of tap water; withdraw 27 mL of rehydrated vaccine (90 doses) and dilute with tap water to a final volume of approximately 7 oz. (210 mL) and place in the reservoir; start the proportioner delivery at 1 oz./gal. and run until entirely consumed.

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**

U.S. Veterinary License No. 165A

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