

Argus[®] SC/ST

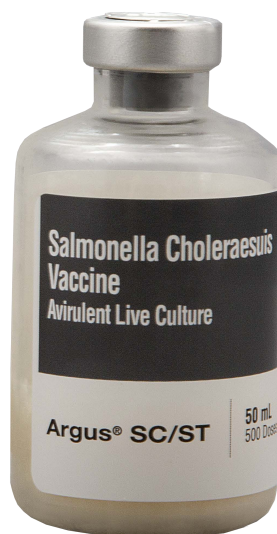
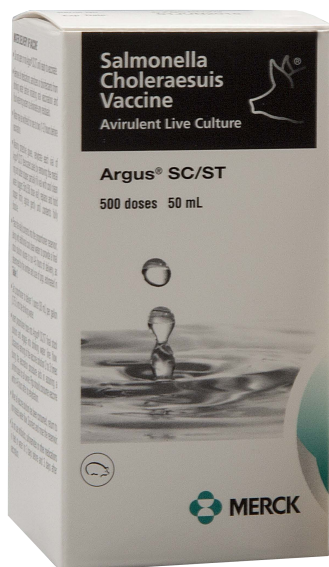
SALMONELLA CHOLERAESUIS VACCINE

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: 1 X 500-dose presentation without diluent; for rehydration with tap water



Product Code 096017
Size: 50 mL (500 doses) vial



Argus[®] 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 control of disease and shedding caused by S. typhimurium 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.

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[®] 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 protectives, rehydrate each vial of Argus[®] SC/ST (desiccated cake) by removing the metal ring and rubber stopper; partially fill vial with cool, clean water (suggest 50 mL/500-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[®] 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

(460 pigs: 460 hd ÷ 500 ds x 30 oz. = 27.6 oz. x 30 mL/oz. = 828 mL final volume)

(500 pigs: 500 hd ÷ 500 ds x 30 oz. = 30.0 oz. x 30 mL/oz. = 900 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 final stock solution volume: rehydrate with 50mL/ 500 dose vial = 10 doses/1mL

Body Weight (lbs.)	Average Water Consumption in US Gallons Per 500 Animals in a 4-Hour Period ¹	Final Stock Solution Volume in Ounces (oz.)
10	15.0 gal.	15.0 oz
15	22.5	22.5
20	30.0	30.0
25	37.5	37.5
50	75.0	75.0
75	112.5	112.5
100	150.0	150.0
150	225.0	225.0
200	300.0	300.0
≥250	375.0	375.0

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:

To vaccinate 460 pigs averaging 20 lbs./hd., follow across the row for 20-lb. pigs; 500 pigs will consume approximately 30 gallons drinking water over a 4-hour period, requiring 30 oz. of final stock solution; rehydrate one 500-dose vial of Argus[®] SC/ST with a measured 50 mL of tap water; withdraw 46 mL of rehydrated vaccine (460 doses) and dilute with tap water to a final volume of approximately 28 oz. (840 mL); place the 840 mL of diluted vaccine 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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