



Lawsonia Intracellularis Vaccine

Avirulent Live Culture

Enterisol® Ileitis FF

For use in swine only

Directions

Vaccine Preparation: Plan vaccination timing to allow thawing of the contents of the vaccine vial in a trickling cool water bath until liquid (usually 30-40 minutes). Shake well and use entire contents immediately. Do not thaw vaccine by removing from the freezer the day before use. This will inactivate the vaccine.

Vaccination via the drinking water:

Conventional Water Directions (open trough or barrel type [tank] system):

1. Do not thaw vaccine until ready to vaccinate.
2. Remove all medications, sanitizers, and disinfectants from drinking water, and any medicated feeds, for a minimum of 72 hours (3 days) prior to and following vaccination.
3. Flush watering system with nonchlorinated/nontreated clean water to eliminate any antibacterial agents.
4. Thaw vaccine according to directions.
5. Add number of doses of vaccine equal to or more than the number of pigs to vaccinate, to the appropriate amount of clean, nontreated drinking water (see Caution section).
6. Final solution containing vaccine should be consumed within 4-6 hours after thawing of vaccine.

Directions for Automatic Watering Systems equipped with proportioner:

Several types of medicators/proportioners are commercially available.

1. Do not thaw vaccine until ready to vaccinate.
2. Remove all medications, sanitizers, and disinfectants from drinking water, and any medicated feeds, for a minimum of 72 hours (3 days) prior to and following vaccination.

3. Provide sufficient watering space so that all pigs can drink within a 4-6 hour time frame.
4. Flush watering system with nontreated, clean water to eliminate any antibacterial agents. (This can be accomplished during pre-measurement of stock solution volume requirement in step 6.)
5. Set proportioner to deliver 1 oz. (30 mL) of vaccine solution per 1 gallon (4 liters) of water. Regularly clean proportioners internally to remove antibiotics or other contaminants that may impair vaccine viability. Maintain proportioners to manufacturer's specifications in order to safeguard accurate vaccine administration.
6. Pre-measure the actual stock solution volume requirement the day prior to vaccination using plain tap water as surrogate stock solution. Allow pigs to drink for 4 hours during the same time of day as planned vaccination. Subtract the remaining water volume from the starting water volume to determine the net stock solution volume requirement.
7. Prepare vaccine stock solution as follows:
 - a. Thaw vaccine according to directions.
 - b. Add approximately half of the pre-measured amount of clean, nontreated stock solution water to the container being used for the stock solution. To ensure vaccine viability, use a Ready Pack™ DT (or Reload Pack DT if reusing the Ready Pack container), which contains the stabilizer sodium thiosulfate, with any source of drinking and stock solution water. A blue dye is also included in the Ready Pack to facilitate charging the water lines and detection of the vaccine-containing water (step 8).
 - c. Add number of doses to the stock solution container equal to or more than the number of pigs to vaccinate. Then, add the other half of the pre-measured amount of stock solution water.
 - d. Mix thoroughly.

8. Insert proportioner drawtube into the vaccine stock solution and direct water flow through the proportioner. Charge the water distribution lines with vaccine by draining ("bleeding") water from the drinkers in the pens furthest away from the proportioner until the water appears light blue in color. Pigs should consume the vaccine-containing water within 4-6 hours of thawing the vaccine. Do not medicate or use disinfectants immediately following vaccination.

Caution: The actual amount of water consumed may vary considerably depending on several factors, including environmental temperature and drinker type. It is recommended to pre-measure the actual stock solution volume requirements the day prior to vaccination, during the planned vaccination time period. This should be done in order to ensure that the vaccine is consumed within the 4-6 hour recommended time frame.

Incompatibility: All materials used in administration of this vaccine must be free of antibiotic and disinfectant residue to prevent vaccine inactivation and reduced product efficacy. A *minimum* antibiotic-free period (including feed antibiotics) of 3 days pre- and postvaccination is recommended.

Storage: Store frozen at -70°C. Do not store thawed vaccine. After thawing, shake well and use entire contents immediately.

Withdrawal Period: Vaccinated pigs are not to be harvested for human consumption within 21 days after vaccination.

Disposal: Burn container and all unused contents by a procedure allowed by local, state, and Federal regulations.

Boehringer Ingelheim Vetmedica, Inc.
St. Joseph, MO 64506 U.S.A.
U.S. Veterinary License No. 124

U.S. Patent Nos. 5,714,375 and 5,885,823

Boehringer Ingelheim Vetmedica, Inc.

2621 North Belt Highway • St. Joseph, MO 64506-2002

Information 800-325-9167 • Sales Service 800-325-9167 • Fax 816-236-2717

www.bi-vetmedica.com