



## ART VAX® Application to Day-Old Poults

**D**ay-old turkey poults show variable levels of maternal antibody protection against *Bordetella avium*. High levels of maternal immunity will interfere with the young poult's ability to respond to ART VAX vaccine, but a percentage of hatching poults will not possess this high level of immunity.

Vaccination at day of age with ART VAX vaccine will protect these low antibody poults from the effects of early infection. Revaccination at 14 days in the field will provide protection to the remaining poults.

### Hatchery Application

Day of age vaccination can be accomplished in the hatchery by spray cabinet. ART VAX vaccine does not spread through a hatchery, so it can be administered to specific flocks without worry of cross-contamination of unvaccinated flocks held in the same hatchery. Specific directions for application are outlined:

#### 1. Spray Cabinet

- a. Reconstitute 1000 doses of ART VAX vaccine in 140-155 mls of distilled water.
- b. Dilute no more than 5000 doses of vaccine at one time (no more than the amount which can be administered in one hour).
- c. Spray 14 mls (2 trigger hits) per poult box (100 poults). A standard spray cabinet administers a 7 ml course spray with one trigger hit.

#### 2. Caution:

To avoid interference with development of protection, turkeys to be vaccinated should not be given any antibiotic and/or sulfonamide medication used in the prevention or treatment of *B. avium* rinotracheitis for 3 days before and 5 days after vaccination.