

**Generic Name:**

Bio-L ND-IB Live Vaccine

**General Description:**

BIO-L ND-IB contains Newcastle Disease Virus B1 strain and Infectious Bronchitis Virus H120 strain. These viruses were propagated in specific-pathogen-free (SPF) embryonated chicken eggs and allantoic fluids were harvested when viral growths were at optimal levels.

**Composition per Dose:**

Newcastle Disease Virus B1 strain.....  $\geq 10^{5.0}$  EID<sub>50</sub>  
 Infectious Bronchitis Virus H120 strain.....  $\geq 300$  EID<sub>50</sub>

**Indication for Use:**

Prevention of Newcastle Disease and Infectious Bronchitis of 1 day old or older in chickens

**Method of Vaccination:**

**Eye-drop administration or nostril instillation:** reconstitute vaccine with diluent. Mix thoroughly with diluent. Administer 1 drop (approx. 0.03 ml) of the reconstituted vaccine to each chicken via intraocular or nostril instillation.

**Drinking water method:** reconstitute the vaccine with diluent. Add reconstituted vaccine to specified volume of cold water as described below. Add specified quantity of skimmed milk powder to cold water containing the vaccine as described below. Deprive drinking water to chickens for 2-4 hours before administration of the vaccine. Drinking troughs should be clean and have enough space to allow every chicken to access. The cold water containing vaccine administered should be completely consumed and resume normal drinking water supply to chickens.

Age of chick by week	The amount of water per 1000 doses	Skimmed milk powder (grams)
within a week	5-10 liters	12.5 gm
1 to 4 weeks	10 liters	25 gm
4 weeks or older	20 liters	50 gm

**Aerosol-spray administration:**

- (1) Windows and doors must be closed to create stationary indoor air. Windows and door must remain closed for 15 minutes after spray inoculation is completed.
- (2) Place sprayer at a height of 30 cm above chickens and spray the vaccine to fill the indoor space with vaccine aerosol.
- (3) Spray-inoculate 1000 chickens with 1000 doses. For manual sprayers, spray-inoculate with 4000-7000 doses of vaccine using medium-sized spray particles. For automatic sprayer, spray-inoculate with 3000-5000 doses using fine-sized spray particles. Clean the sprayers and their associated equipment after use thoroughly to remove remaining vaccine residues.

**Storage Conditions:**

Store in a dark place at 2-8°C. Do not freeze.

**Packaging:**

200Doses/Vial (with 6mL diluent), 500Doses/Vial (with 15mL diluent), 1000Doses/Vial (with 30mL diluent), 2000Doses/Vial (with 60mL diluent), and 3000Doses/Vial (with 90 mL diluent)

**Shelf Life:**

2 years

**Precautions:**

- Follow the instructions from and use under supervision by a veterinarian.
- Vaccinate healthy poultry only. Do not vaccinate sick poultry.
- Use all reconstituted vaccine. Do not save unused vaccine for later use. Do not use tap water for drinking water method and aerosol spray method. Protect vaccine from sunlight
- Sterilize unused vaccines and vaccine containers by autoclaving before disposal.