Newcastle disease is considered as one of the most important diseases in poultry. Control of the disease can be achieved by live vaccination to prevent mortality and morbidity and to establish local and systemic immunity. Strain I2 unique character is its thermostability which makes the vaccine capable of surviving for at least 12 weeks at 22 °C.

**COMPOSITION:**
Each dose contains a minimum of $10^{6.0} \text{EID}_{50}$ of freeze dried live modified Newcastle Disease Virus vaccine prepared from the reference strain I2.

**INDICATIONS:**
Jovac NDV I2 is a thermostable avirulent strain of Newcastle Disease Virus. It is indicated for prevention of Newcastle disease in poultry.

**DOSAGE AND ADMINISTRATION:**

**Administration**
- **Intraocular/intranasal route:**
  - Dissolve the vaccine in physiological saline solution (35 ml).
  - Administer one drop of the vaccine using a dropper into one eye/ear nostril.
  - Use the vaccine immediately after reconstitution (within two hours in cool conditions).
- **Oral route via drinking water/spread on food (mash or pellet):**
  - Reconstitute the vaccine with cool pure drinking water, free of antiseptics, adding to it powdered skimmed milk (2 g/L) to stabilize the vaccine’s activity.

  - The drinking water temperature containing the vaccine must not exceed 15-20 °C.
  - It is advisable to deprive the birds of water 1-2 hours prior to vaccination.
  - The vaccine should be given in the early morning or the cool period on a hot day.
  - The vaccine should be diluted in adequate quantity of final drinking water in order be consumed within one to two hours after dissolving the vaccine in water according to age of the birds and climatic conditions as follows:
    - 2-3 weeks of age: Dilute 1000 doses in 10 liters.
    - 7 weeks of age: Dilute 1000 doses in 20 liters.
    - 14 weeks of age and older: Dilute 1000 doses in 40 liters.

Schedule vaccination:
- Vaccine promotes higher level of immunity when administered by eye drop compared to oral administration.
- Vaccine can be applied by spray to the surface of feed either mashed or pellet forms.
- By eye drop administration, the vaccine is administered once then revaccination after 3-4 months.
- Vaccine via drinking water should be initially given on two occasions 2-3 weeks apart and then revaccinated every 3 months. This protection will cover both vaccinated and in contact birds.

**WITHDRAWAL PERIOD:**
Zero days.

**CONTRAINDICATIONS:**
Do not vaccinate sick or stressed birds.

**SPECIAL PRECAUTIONS:**
- Deprive birds of drinking water 1-2 hours before vaccination.
- Apply usual aseptic procedures.
- Use only clean, antiseptic or disinfectant-free materials for the preparation of the vaccine solution.
- Unused opened vaccine containers and waste material should be decontaminated with suitable disinfectants (phenolics, idophores or formaldehydes) at the recommended concentration.

**STORAGE AND SHELF LIFE:**
- Store Jovac NDV I2 vaccine at +2 °C to +8 °C, in the dark.
- The vaccine remains stable for 2 years from production date stated on the label under the recommended storage conditions.

**PRESENTATION:**
Vials of: 50 doses, 100 doses, 250 doses, 500 doses and 1000 doses.

FOR VETERINARY USE ONLY.