



AviPro[®] 105 ND CHICK

Avian Vaccines

Convincing Advantages:

- Specifically developed for use in day-old chicks
- No adverse effect on performance
- Induces high levels of protective antibody titers
- Proven protection
- Safe use in conjunction with intraocular application of Newcastle Disease Virus live vaccine B1 Type, B1 strain





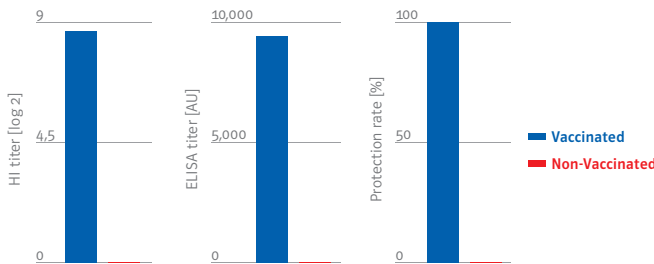
Proven protection against Newcastle Disease virus

Newcastle Disease (ND) represents one of the most devastating poultry diseases with particular economic importance in commercial poultry production. It is classified as a notifiable disease by the OIE (Office International des Epizooties). In its most severe form, ND is characterized by high mortality in infected flocks and a rapid spread to other flocks in the area. Humoral as well as mucosal immunity play an important part in the immune response. In the case of ND viruses the antibody titer and protective effect correlate very well. The higher the titer, the more comprehensive the protection - as is with AviPro, 105 ND Chick.

Study

To evaluate the efficacy in young chickens, a group of chicks was vaccinated on the first day of life with AviPro, 105 ND Chick by subcutaneous injection and a live ND B1 Strain, B1 Type vaccine. A second group of day-old chicks was kept as non-vaccinated controls. At seven weeks of age, serum samples were taken from all chicks to determine ELISA and HI titers. Afterwards, all birds were challenged with a velogenic NDV strain. Birds were observed daily for clinical symptoms and mortality for ten days after infection. Vaccination with AviPro, 105 ND Chick provided excellent protection (even after severe challenge infection) throughout the normal seven week grow out phase. This was confirmed by high ELISA and HI titers, as well as by secure protection after challenge infection. (Source: Lohmann Animal Health International, data on file).

AviPro®
105 ND CHICK



- Reliable protection
- High titers
- Use in day-old chicks

AviPro, 105 ND Chick – Your solution in case of early field infection with ND

Vaccination schedules to ensure protection of valuable poultry flocks against infections with virulent NDV must be designed according to the regional epidemiological situation. AviPro, 105 ND Chick has been specifically developed for use in young chicks in geographic areas where early field infections with virulent ND are likely. This vaccine contains a high concentration of a ND virus strain suspended in a stable oil emulsion. This enables the vaccine to stimulate a strong sero-response, resulting in high and long-lasting titers.

5000 Doses Available

Prevention first

AviPro, 105 ND Chick - This product is an inactivated vaccine developed specifically for use in young chicks in geographical areas where highly pathogenic Newcastle Disease is endemic. Recommended for the vaccination of chickens and turkeys as an aid in the protection against Newcastle Disease. For young chicks, vaccinate between 1 and 10 days of age. For mature chickens, vaccinate (prime) with live virus vaccine for Newcastle Disease at least 4 weeks prior to the use of this vaccine. Vaccinate between 16 and 20 weeks of age. For turkeys, vaccinate between 16 and 24 weeks of age. Revaccinate at 28 to 30 weeks of age.

For further information please contact:



49C, 24th Commercial Street, Phase II Extension, D.H.A., Karachi.
Tel: (021) 3588 1747, 3589 0476 www.goldenharvest.com.pk

AVIPRO® ND IB SOHOL

Live Vaccine against ND and IB

- *Less attenuated vaccine strains*
- *Stronger immune response*
- *Long lasting protection*



Composition per dose

	Release titer	Expiration titer
Newcastle disease virus, B1 type, Lasota strain	$10^{6.3}$ EID ₅₀	$10^{5.5}$ EID ₅₀
Infectious bronchitis virus, Mass. type, Holland strain	$10^{3.7}$ EID ₅₀	$10^{2.7}$ EID ₅₀

EID₅₀ = 50% embryo infective dose.

Indication

For the vaccination of chickens as an aid in the prevention of infectious bronchitis, Mass. type, and Newcastle disease.

Route of administration and dose

Drinking water
Coarse spray (aerosol)

Presentation of packaging

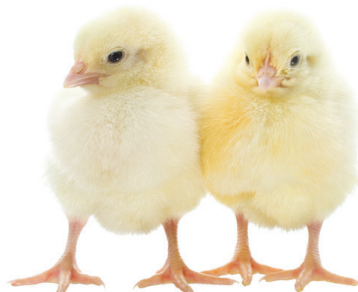
Glass vials
10 vials x 2500 doses each

Special precautions for storage

Store in a refrigerator (2°C - 7°C). Protect from light and frost.



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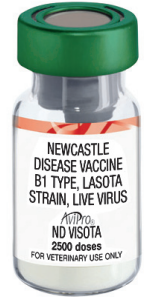
AVIPRO® ND VISOTA

Live Vaccine against Newcastle Disease

- Optimum ND protection
- Least post vaccine reaction

Composition per dose

The minimum antigenic content per dose at release and expiration is as follows:



	Release titer	Expiration titer
Newcastle disease virus, B1 type, Lasota strain	$10^{6.3}$ EID ₅₀	$10^{5.5}$ EID ₅₀

Indications for use

For vaccination of chickens as an aid in the prevention of Newcastle disease. This product is for initial vaccination of chickens 2 weeks of age or older by the drinking water route and at 5 weeks of age or older by the aerosol route. The product is also used in replacement chickens before 16 weeks of age that were previously vaccinated.

Route of administration and dose

Drinking water use

Coarse spray (aerosol) use

For initial vaccination of chickens 2 weeks of age or older by the drinking water route and at 5 weeks of age or older by the aerosol route. The product is also used in replacement chickens before 16 weeks of age that were previously vaccinated.

Presentation of packaging

10 vials x 2500 doses each

Special precautions for storage

Store at 2° to 7°C (35° to 45°F). Do not freeze.



**GOLDEN
HARVEST**

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AVIPRO® ND LASOTA

Live Vaccine against Newcastle Disease

The Standard Choice

- Optimum ND protection
- Least post vaccine reaction

Composition per dose

Newcastle Disease virus, live, strain Lasota, at least $10^{6.0}$ EID₅₀

EID₅₀ = 50% embryo infective dose.

Indication

- For active immunisation of chickens and turkeys against Newcastle disease.
- Onset of immunity in chickens and turkeys: within 3 weeks.
- Duration of immunity in chickens: at least 10 weeks.

Route of administration and dose

Chickens: One dose via drinking water, by spray or eye drop.

Turkeys: 2 doses via drinking water or by spray.

- The vaccine can be used from day 14 of life.
- The vaccination schedule must be adjusted to individual husbandry practices and the current epidemiological status.
- Primary immunisation: Two vaccinations at intervals of 4 - 6 weeks.
- Booster vaccinations: Approximately every 4 - 6 weeks, depending on the epidemiological status.
- For broilers, single administration is generally sufficient.

Presentation of packaging

Glass vial with (10x) 500 doses, (10x) 1 000 doses*, (10x) 2 500 doses, (10x) 5 000 doses, (10x) 10 000 doses.

- For this presentation diluent, connectors and droppers can be supplied on request.
- The sterile diluent for administration via eye drop is available in bottles containing 34 ml (equivalent to 1 000 doses).
- Not all pack sizes may be marketed.

Special precautions for storage

Store in a refrigerator (2°C - 8°C). Protect from light and frost.



5000 Doses Available

AviPro 201 ND-IB

Inactivated vaccine against IB and Newcastle Disease

Composition Per Dose

Per Dose (0.5 ml)

Newcastle disease virus, B1 type, Lasota strain minimum of 107.7 EID50

Infectious bronchitis virus, mass type, Dg strain minimum of 106.9 EID50

Indication for use

For the vaccination of breeder hens and replacement pullets as an aid in the prevention of Newcastle disease and infectious bronchitis (Mass. type).

Route of administration and dose

One dose (0.5ml) per bird.

Inject all birds in flock subcutaneously in the lower neck region using aseptic technique vaccinate (prime) with live virus vaccine for Newcastle disease and bronchitis at least 4 weeks prior to the use of this vaccine. Vaccinate between 16 and 20 weeks of age revaccinate during molt.

Presentation of Packaging

1000 doses / bottle, 500ml

Special precaution for storage

Store in a refrigerator (2°C – 7°C). Protect from sun light, frost and transport.

Amounts to be Administered and Administration route

Vaccinate (prime) with live virus vaccines for Newcastle disease and bronchitis at least 4 weeks prior to the use of this vaccine.

One dose (0.5mL) should be administered to each bird via subcutaneous injection using aseptic technique. This product is for vaccination of chickens between 16 and 20 weeks of age.

Revaccinate during molt. Vaccinate all birds in the flock. Vaccine should be warmed to room temperature before use. Shake well before and during use.

Vaccine should be warmed to room temperature before use. Shake well before and during use.

Pack Size

1 bottle x 1000 doses (500 ml). Up to 20 bottles are packed per shipping box.

