

Nobilis® ND Clone 30

Maximum protection, minimum stress

The early bird
catches less ND



Newcastle Disease

Comparing live lentogenic ND vaccines

LaSota...

- + Highly effective in protecting chickens with or without maternal antibody⁽¹⁾
- May cause severe systemic distress resulting in increased mortality and inferior performance, especially when given at an early age⁽¹⁾

Hitchner B1...

- No adequate protection, especially when confronted with maternal antibody⁽²⁾
- + Mild respiratory reaction⁽³⁾

Nobilis ND Clone 30

gives you the best of both

Clone 30 is a lentogenic ND strain combining the efficacy of LaSota and the safety of Hitchner B1

- + It is highly effective in protecting chickens with or without maternal antibodies

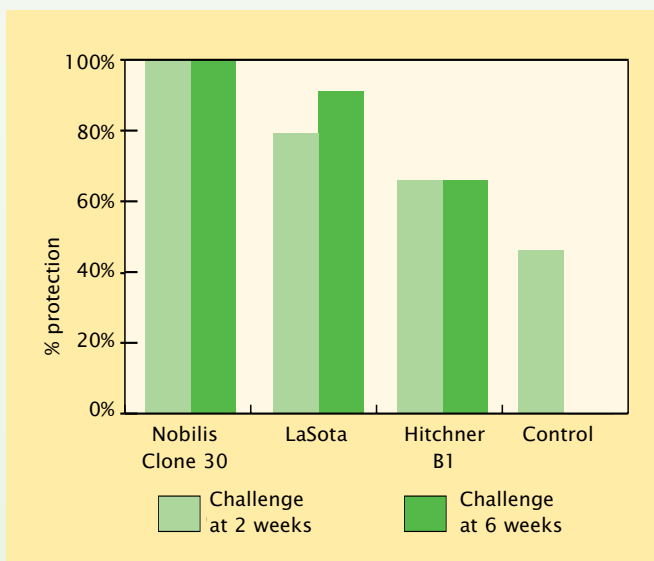
- + It causes minimum vaccination reaction, even when applied at day 1 of age



Nobilis® ND Clone 30

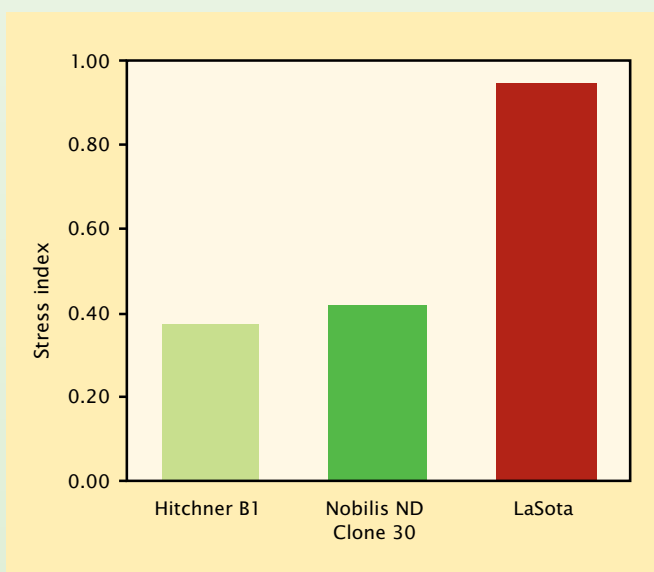
Maximum protection, minimum stress

Provides maximum protection against ND challenge



- Commercial layer pullets with ND maternal antibodies
- Vaccination at day 1 of age by eye drop with Nobilis ND Clone 30, Hitchner B1, or LaSota
- Challenge at 2 or 6 weeks of age with velogenic ND strain
- Mortality and clinical symptoms were determined
- Despite the high level of maternal antibodies, Nobilis ND Clone 30 provides early and solid protection against ND challenge, at least until 6 weeks of age

Causes minimum vaccination stress

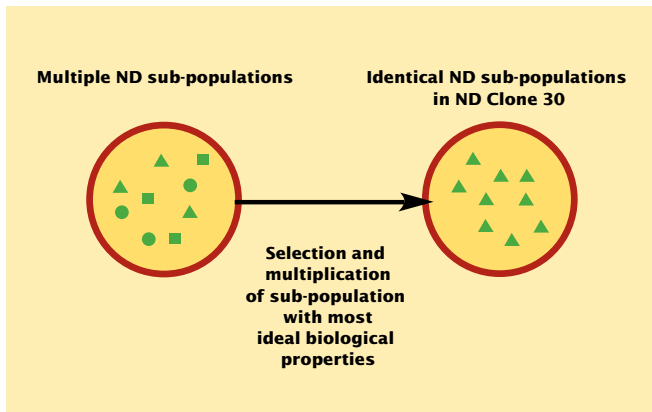


- SPF chickens vaccinated at 1 week of age by spray with Nobilis ND Clone 30, Hitchner B1, or LaSota
- For 10 days post vaccination chickens were examined with regard to mortality, respiratory symptoms and sickness
- For evaluation of the reactivity of the vaccines, the Weybridge stress index⁽⁴⁾ was determined
- Comparison of stress indices demonstrates that Nobilis ND Clone 30 possesses the same mild reactivity as Hitchner B1⁽⁵⁾

Nobilis® ND Clone 30

A predictable response, over and over again

A cloned vaccine meeting all your requirements



- ND virus strains are composed of many heterogeneous sub-populations⁽⁶⁾
- We select the sub-population with the greatest efficacy and least reactivity, and reproduce it by cloning
- By using only one cloned sub-population, we can reproduce the identical vaccine every time
- Using an ideal vaccine which never changes, means an optimal and predictable response, over and over again

Vaccination schedule

Vaccination possible from day 1 of age

- The optimum time and method of first vaccination and revaccination depend largely on the local situation
- In case the first vaccination is given by coarse spray, a sufficiently large droplet size will prevent a too severe respiratory reaction
- Clone 30 may be administered in combination with IB vaccine Ma5 (Nobilis Ma5 + Clone 30)

Description

Nobilis ND Clone 30 is a live freeze-dried vaccine against Newcastle disease (ND). Each dose contains at least 10^6 ELD₅₀ of ND virus strain Clone 30.

Indication

Nobilis ND Clone 30 is indicated for the active immunisation of chickens and turkeys against Newcastle Disease.

Administration

The vaccine should be administered by coarse spray, ocular or nasal instillation or by drinking water.

Presentation

Nobilis ND Clone 30 is available in sphereon 1000, 2500 and 5000 dose presentations.



References

1. Winterfield RW et al, 1957. Poultry Science 36: 1076-1088
2. Borland LJ and WH Allen, 1980. Avian Pathology 9: 45-59
3. Hitchner SB and EP Johnson, 1948. Veterinay Medicine 43: 529-530
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5. Eidson CS and SH Kleven, 1980. Poultry Science 59: 976-984
6. Spalatin J and RP Hanson, 1976. Avian Dis 20: 654-660

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