

# *AviPro*<sup>®</sup> 329 ND-IB2-SE4

## Convincing Advantages:

- One shot
- Massachusetts and Arkansas serotypes
- Broad protection



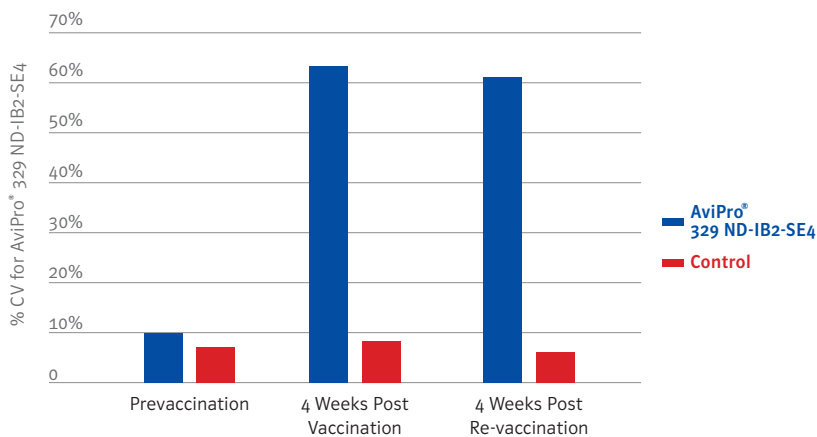
## Vaccinating Commercial Layers

AviPro® 329 ND-IB2-SE4 is an inactivated vaccine, containing sufficient quantities of inactivated Newcastle Disease virus strain LaSota; inactivated Infectious Bronchitis virus, Massachusetts type and Arkansas type; and four different serotypes of inactivated *Salmonella* Enteritidis, to induce high and consistent protection against all three pathogens. When immunizing commercial layers, many vaccinations have to be given just before the point of lay; AviPro® 329 ND-IB2-SE4 is a convenient product for laying stock, where one injection protects the birds against three different pathogens during the laying period. In addition, eggs are protected against a contamination with *Salmonella* Enteritidis, a zoonotic agent. This happens because susceptible birds infected with *Salmonella* Enteritidis can shed bacteria in the eggs. Such contamination can happen both through the transovarian route and through the eggshell during oviposition. The latter happens as the shell enters in contact with feces containing the micro-organisms that may penetrate the egg as it cools and the fecal material is passively transported through the shell pores, thus allowing for species to species infection as well as zoonotic.

**AviPro®**  
**329 ND-IB2-SE4**

### Study

A group of 26 SPF leghorns, 12 weeks of age were vaccinated with AviPro® 329 ND-IB2-SE4 and compared to a control group. Serum samples were obtained prior to vaccination at 12 weeks, then at 16 weeks, and at 20 weeks. At the beginning of the trial all birds were in the negative S/N ratio range for *Salmonella* serum antibodies. By 4 weeks post vaccination the immunized group was positive as well as at 4 weeks post re-vaccination. The chart below illustrates the protection of layers through vaccination against *Salmonella* Enteritidis by showing antibody results through percent coefficient of variance. (Source: Lohmann Animal Health International, data on file).



- High immunogenicity
- Available in concentrated dose
- Broad protection

### Prevention first.

**AviPro® 329 ND-IB2-SE4** - Inactivated vaccine recommended for vaccination of chickens as an aid in the prevention of Newcastle Disease and Infectious Bronchitis (Mass and Ark types) and as an aid to reduce the colonization of internal organs, including the reproductive tract, by *Salmonella* Enteritidis. Inject subcutaneously. Vaccinate (prime) with live virus vaccines for Newcastle Disease and Bronchitis at least 4 weeks prior to the use of this vaccine. Vaccinate between 12 and 16 weeks of age. Revaccinate with monovalent *Salmonella* Enteritidis bacterin 4 weeks later. Revaccinate during molt.

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