

Nobilis® EDS + ND



Vaccine	Nobilis® EDS + ND is a combined inactivated vaccine against EDS (Egg Drop Syndrome) '76 and Newcastle Disease (ND)
Target Species	Chicken Breeders and Egg Layers
Composition	Active Components: Inactivated EDS '76 virus inducing $\geq 6.5 \log_2$ HI units per dose; Inactivated ND virus Clone 30 inducing $\geq 4 \log_2$ HI units per 1/50th dose or containing $\geq 50 \text{ PD}_{50}$ units per dose
Formulation	Oil adjuvant emulsion
Indications	For the vaccination of layers and breeders to protect against sickness and death caused by ND in early-mid lay and for the protection of layers and breeders against EDS '76. Purchase and use of this vaccine is by government permit in each jurisdiction.
Disease	ND is caused by a paramyxovirus. ND is highly contagious through infected droppings and respiratory discharge between birds. The incubation period is variable but usually 3-6 days. Virulent forms of ND cause high mortality with depression and death in 3-5 days as major signs. Laboured breathing with wheezing and gurgling accompanied by nervous signs, such as paralysis or twisted necks, also can occur. Egg production can decrease by 30-50%. EDS is caused by an adenovirus that can infect hens in lay via the hatching egg or from the hen's environment. Egg production may fail to peak adequately or production drops may occur, particularly in early lay. Egg abnormalities, such as shell-less eggs ('skins') and loss of pigment in brown eggs, are features of the disease. ¹
Dosage	0.5 mL per bird
Vaccination	Replacement breeders and egg layers should be vaccinated intramuscularly in the thigh or breast muscle or subcutaneously into the lower part of the neck with EDS + ND vaccine at approximately 14-18 weeks of age, but not less than 4 weeks before the expected onset of lay. For optimal booster effect, the birds must be primed with live vaccine against ND at least 4 weeks previously.
Method of Administration	Allow the vaccine to reach ambient temperature (15-25°C) before use. Shake the bottle well before and during use. Inject 0.5 mL of vaccine intramuscularly in the thigh or chest muscle or subcutaneously into the lower part of the neck. Use the entire contents of a bottle within 3 hours.
Withholding Period	NIL
Presentation	Bottles containing 500 mL of vaccine sufficient for 1000 doses.
Storage	Store between 2°C and 8°C (Refrigerate. DO NOT FREEZE).
Contraindications	None
Disposal	Dispose of empty containers by wrapping with paper and putting in garbage. Discarded needles/sharps should be placed in a designated and appropriately labelled 'sharps' container.
Safety Instructions	Should a vaccinator by accident inject him/herself or a bystander, a local reaction may occur. It is recommended that the advice of a doctor be sought immediately, taking care to inform the doctor that the vaccine is a water in oil emulsion and that this leaflet or a Material Safety Data Sheet must be shown to the doctor.

1. Smyth, J. (2013) In Diseases of Poultry 13th Ed. pp 301-309; Miller, P. and Koch, G. (2013) In Diseases of Poultry 13th Ed. pp 89-107

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