

POULTRY VACCINES



LIVE ATTENUATED VACCINES

INACTIVATED VACCINES

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VETERINARY MEDICAMENTS PRODUCER

LIVE ATTENUATED VACCINES



ORNIBRON H120

Live attenuated freeze-dried, Massachusetts H120 strain vaccine against Infectious Bronchitis

Composition: *Virus bronchitidis infectiosae avium* H120 min. $10^{3.0}$ EID₅₀, max. $10^{5.3}$ EID₅₀

Target species: Broilers, commercial layers, broiler breeders and parents.

Indication: Active immunization of domestic fowl against Infectious Bronchitis caused by the Massachusetts strain.

Dosage and method of administration: 1 dose to each bird by spraying, eye/nose drop. When chicks learn to drink from the waterer, via drinking water can be practiced.

Primary vaccination since day-1 of age, revaccination after 4 weeks and booster vaccination 12–14 weeks of age.

Shelf life: 30 months.

Storage: 2 °C – 8 °C.

Withdrawal period: None.

Presentation: 200, 500, 2500 and 5000 doses.

ORNIBRON H120 + D274

Live attenuated freeze-dried, Massachusetts H120 and D274 strain against Infectious Bronchitis

Composition: *Virus bronchitidis infectiosae avium*, strain H-120 min. $10^{3.0}$ EID₅₀ – max. $10^{4.8}$ EID₅₀*
Virus bronchitidis infectiosae avium, strain D-274 min. $10^{3.0}$ EID₅₀ – max. $10^{4.8}$ EID₅₀*

Target species: Broilers, commercial layers, broiler breeders and parents.

Indication: Active immunization of domestic fowl against Infectious Bronchitis caused by the Massachusetts and the variant D274 strain.

Dosage and method of administration: 1 dose to each bird by spraying, eye/nose drop. For revaccination by spray or via drinking water.

Primary vaccination since day-1 of age, revaccination at the age of 28-35 days and booster vaccination 10-12 weeks of age.

Shelf life: 30 months.

Storage: 2 °C – 8 °C.

Withdrawal period: None.

Presentation: 200, 500, 2500 and 5000 doses.



LIVE ATTENUATED VACCINES



ORNIPRIM CLONE B1

Live attenuated freeze-dried B1 (Hitchner) strain vaccine against Newcastle Disease.

Composition: *Paramyxovirus pseudopestis avium*, strain Hitchener (B1) Bio 52: NDV B1 min. $10^{6.0}$ EID₅₀ – max. $10^{7.5}$ EID₅₀

Target species: Broilers, commercial layers, broiler breeders and parents.

Indication: Active immunization of domestic fowl against Newcastle Disease.

Recommended vaccination of 1-day old chickens by spraying at hatcheries or at farms on arrival.

Dosage and method of administration: 1 dose to each bird by spraying or individually by eye/nose drop.

Revaccination by spraying or via drinking water.

Primary vaccination since day-1 of age, revaccination after 4 weeks and booster vaccination 12–14 weeks of age.

Shelf life: 30 months.

Storage: 2 °C – 8 °C.

Withdrawal period: None.

Presentation: 200, 500, 2500 and 5000 doses.

ORNIPEST

Live attenuated freeze-dried vaccine against Newcastle Disease

Composition: *Paramyxovirus pseudopestis avium*, strain Lasota, Bio 52: NDV B1 min. $10^{6.0}$ EID₅₀ – max. $10^{8.0}$ EID₅₀

Target species: Broilers, commercial layers, broiler breeders and parents.

Indication: Active immunization of domestic fowl against Newcastle Disease.

Dosage and method of administration: 1 dose to each bird by spraying or individually by eye/nose drop or via drinking water when chickens learn to drink from the waterer.

Revaccination by spraying or via drinking water.

Vaccination from the age of age of 2 weeks either as a primary vaccination or revaccination of chickens primed by Orniprim at the age of day-1 in hatcheries on arrival at farms.

Shelf life: 30 months.

Storage: 2 °C – 8 °C.

Withdrawal period: None.

Presentation: 200, 500, 2500 and 5000 doses.



LIVE ATTENUATED VACCINES



ORNIMIX CLONE B1+H120

Live attenuated freeze dried vaccine against Newcastle Disease and Infectious Bronchitis

Composition: *Paramyxovirus pseudopestis avium*, strain Bio 52: NDV B1 min. $10^{6.0}$ EID₅₀ – max. $10^{7.5}$ EID₅₀
Virus bronchitidis infectiosae avium, strain Bio 53: IBV H120 min. $10^{3.0}$ EID₅₀ – max. $10^{4.8}$ EID₅₀

Target species: Broilers, commercial layers, broiler breeders and parents.

Indication: Active immunization of domestic fowl against Newcastle Disease and Infectious Bronchitis.

Dosage and method of administration: 1 dose to each bird by spraying or individually by eye/nose drop or via drinking water when chickens to drink from the waterer.

Primary vaccination day-1 of age.

Revaccination after 4 weeks in via drinking water vaccinated chickens and after 6 weeks in spray and eye drop vacated chickens.

Shelf life: 24 months.

Storage: 2 °C – 8 °C.

Withdrawal period: None.

Presentation: 200, 500, 2500 and 5000 doses.



ORNIBUR INTERMEDIATE

Live attenuated freeze dried vaccine against Infectious Bursal Disease

Composition: *Virus bursitidis infectiosae avium*, strain IBDV OP-23 min. $10^{4.0}$ TCID₅₀ max. $10^{5.3}$ TCID₅₀

Target species: Broilers, commercial layers, broiler breeders and parents.

Indication: Active immunization of domestic fowl against Infectious Bursal Disease (IBD).

Dosage and method of administration: 1 dose to each bird by eye/nose/per os or via drinking water.

Primary vaccination 21–28 days of age (in chickens from inactivated vaccine boosted hens).

In Infectious Bursal Disease (Gumboro) prevalent farms, revaccination after 1 week (more preferably according to serological test results of chickens).

Shelf life: 24 months.

Storage: 2 °C – 8 °C.

Withdrawal period: None.

Presentation: 200, 500, 2500 and 5000 doses.

LIVE ATTENUATED VACCINES



ORNIBUR INTERMEDIATE PLUS

Live attenuated freeze dried vaccine against Infectious Bursal Disease

Composition: *Virus bursitidis infectiosae avium*, strain IBDV OP-1, min. $10^{4.0}$ TCID₅₀ – max. $10^{5.2}$ TCID₅₀

Target species: Broilers, commercial layers, broiler breeders and parents.

Indication: Active immunization of domestic fowl against Infectious Bursal Disease in farms where presence of maternally derived antibodies (MDA) poses vaccine neutralization.

Dosage and method of administration: 1 dose to each bird by eye/nose/per os or via drinking water.

Primary vaccination in absence of IBD prevalence and chickens with moderate MDA, from the age of 15–21 days.

In farms with prevalence of IBD, primary vaccination from the age of 7–14 days and revaccination after 1 week.

Shelf life: 30 months.

Storage: 2 °C – 8 °C.

Withdrawal period: None.

Presentation: 200, 500, 2500 and 5000 doses.

SALGEN

Live attenuated freeze dried vaccine against Avian Salmonellosis

Composition: *Salmonella typhimurium attenuata* min. 2×10^6 , max. 3.8×10^7

Target species: Domestic fowl, geese, ducks, turkeys, pheasants and pigeons.

Indication: Active immunization of target species against salmonella serotype group B and D to reduce faecal shedding of *S. typhimurium* and colonization of internal organs with the bacterium.

Dosage and method of administration: 1 dose via drinking water or individual administration by oral application 0.2 ml/animal.

Primary vaccination during the first week of life and revaccination after 1 week.

Shelf life: 24 months.

Storage: 2 °C – 8 °C.

Withdrawal period: 14 days for egg and meat.

Presentation: 20 ml (50 doses) and 50 ml (500 doses).



LIVE ATTENUATED VACCINES



ORNIPOX

Live attenuated vaccine against pox disease

Composition: *Virus variolae gallinae*, kmen 92, min. 10^{2.7} EID₅₀, max. 10^{4.5} EID₅₀

Target species: Domestic fowl

Indication: Active immunization of domestic fowl against fowl pox.

Dosage and method of administration: 1 dose (0.01 ml) by wing-web puncture.

Primary vaccination 6–14 weeks of age, if late 4 weeks before onset of lay.

Shelf life: 24 months.

Storage: 2 °C – 8 °C

Withdrawal period: Do not use within 4 weeks before onset of lay.

Presentation: 1000 doses.

LIVE ATTENUATED VACCINES



ORNI AE

Live attenuated vaccine against Avian Encephalomyelitis

Composition:

Virus encephalomyelitis avium, strain Calnek 1143, min. 10^{3.0} EID₅₀, max. 10^{5.3} EID₅₀

Target species: Commercial layers and broiler breeders.

Indication: Active immunization of target species against Avian Encephalomyelitis.

Dosage and method of administration: 1 dose via drinking water or by wing-web puncture.

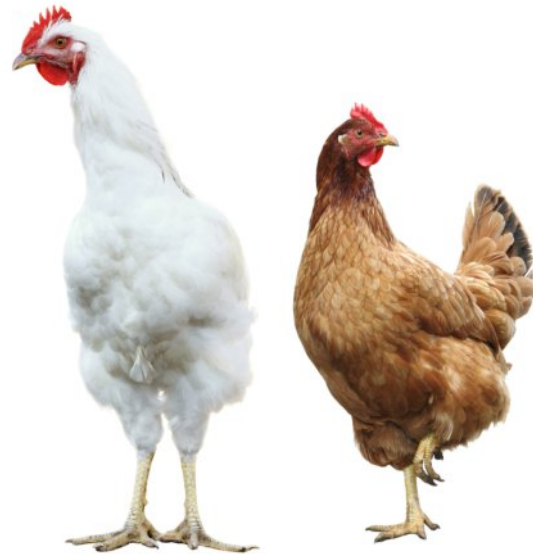
Primary vaccination 8–17 weeks of age, if late 4 weeks before onset of lay.

Shelf life: 24 months.

Storage: 2 °C – 8 °C.

Withdrawal period: Do not use later than 4 weeks before onset of lay and during the egg laying period.

Presentation: 1000 doses.



INACTIVATED VACCINES



ORNIVAC ND

Inactivated monovalent vaccine against Newcastle Disease

Composition: *Paramyxovirus pseudopestis avium inactivatum*, strain NDV SL-93 > 4 log₂ HIT

Target species: Domestic fowl.

Indication: Active immunization of pullets and hens that are primed by a live attenuated ND vaccine during the growing period.

Dosage and method of administration: 1 dose (0.30 ml) by intramuscular route in breast muscle.

Vaccination can be conducted since the age of 16 weeks, preferably 2–4 weeks before onset of lay.

Shelf life: 18 months.

Storage: 2 °C – 8 °C.

Withdrawal period: None.

Presentation: 240 ml (800 doses) and 480 ml (1600 doses).



INACTIVATED VACCINES



ORNIVAC EDS

Inactivated monovalent vaccine against Egg Drop Syndrome

Composition:

Adenovirus inactivatum, strain EDS 76 1000 HAU

Target species: Broiler breeders and layers.

Indication: Active immunization of broiler breeders and layers against Egg Drop Syndrome.

Dosage and method of administration: 1 dose (0.3 ml) subcutaneously on the dorsal upper third of the neck or intramuscularly in the breast muscle.

Shelf life: 24 months.

Storage: 2 °C – 8 °C.

Withdrawal period: None.

Presentation: 50 ml (150 doses), 100 ml (300 doses), 250 ml (750 doses) and 500 ml (1500 doses).



ORNIVAC ND+GO

Inactivated divalent vaccine against Newcastle Disease and Infectious Bursal Disease

Composition: *Paramyxovirus pseudopestis avium inactivatum*, strain NDV SL-93 min. 10⁸ EID₅₀

Virus bursitidis infectionsae avium ante inactivatum, strain OP-23 minimum 10^{6.3} TCID₅₀

Target species: Broiler breeders and layers.

Indication: Active immunization of broiler breeders and layers against Newcastle Disease and Infectious Bursal Disease.

Dosage and method of administration: 1 dose (0.3 ml) subcutaneously on the dorsal upper third of the neck or intramuscularly in the breast muscle.

Shelf life: 24 months.

Storage: 2 °C – 8 °C.

Withdrawal period: None.

Presentation: 50 ml (150 doses), 100 ml (300 doses), 250 ml (750 doses) and 500 ml (1500 doses).

INACTIVATED VACCINES



ORNIVAC ND + IB2 + EDS

Inactivated polyvalent vaccine for immunization of domestic fowl against ND, IB (2 strains) and EDS

Composition: *Paramyxovirus pseudopestis avium inactivatum*, strain NDV SL-93 min. $4 \log_2$ HIT

Virus bronchitidis infectiosae avium inactivatum, strain IBV M-41 $6.2 \log_2$ HIT*

Virus bronchitidis infectiosae avium inactivatum, strain IBV D 274 $6.3 \log_2$ HIT*

Adenovirus inactivatum,

strain EDS 76 min. $6.5 \log_2$ HIT

Target species: Domestic fowl (pullets and layer hens).

Indication: Active immunization of pullets/future layers against Newcastle Disease, Infectious Bronchitis and Egg Drop Syndrome.

Dosage and method of administration: 1 dose (0.5 ml) by intramuscular route in breast muscle 2-4 weeks before onset of lay.

Vaccination is conducted in live vaccine primed pullets/layers during the growing period.

Shelf life: 18 months.

Storage: $2^\circ\text{C} - 8^\circ\text{C}$

Withdrawal period: None.

Presentation: 500, 1000 doses.



ORNIVAC ND+IB+GO+EDS

Inactivated polyvalent vaccine for immunization of domestic fowl against ND, IB (2 strains), IBD (GO) and EDS

Composition: Each dose of the vaccine contains:

Paramyxovirus pseudopestis avium, NDV strain SL-93 min. $10^{8.6}$ EID50

Virus bursitidis infectiosae avium ante inactivatum, IBDV strain OP-23 strain min. $10^{6.6}$ TCID50

Virus bronchitidis infectiosae avium ante inactivatum, IBV strain M-41 strain min. $10^{6.8}$ EID50

Adenovirus EDS 76 ante inactivatum min. 1000 HAU.

Target species: Broiler breeders and layers

Indication: Active immunization of broiler breeders and layers against Newcastle Disease, Infectious Bronchitis (2 strains), Infectious Bursal Disease and Egg Drupe Syndrome.

Dosage and method of administration: 1 dose (0.5 ml) subcutaneously on the dorsal upper third of the neck or intramuscularly in the breast muscle.

Shelf life: 18 months.

Storage: $2^\circ\text{C} - 8^\circ\text{C}$.

Withdrawal period: None.

Presentation: 50 ml – 100 doses, 100 ml – 200 doses, 250 ml – 500 doses and 500 ml – 1000 doses.

INACTIVATED VACCINES



ORNIDUCK

Inactivated monovalent vaccine against Duck hepatitis

Composition: *Virus hepatitis infectiosae anatum inactivatum* min. $10^{5.0}$ KELD₅₀

Target species: Ducks

Indication: Active immunization of future layer ducks against duck hepatitis to transfer protective immunoglobulins to their offspring/ducklings via embryonated eggs.

Dosage and method of administration: 1 dose (0.5 ml) by intramuscular route in the breast muscle.

Primary vaccination 6 weeks before onset of lay and revaccination after 3-4 weeks.

Shelf life: 24 months.

Storage: $2^\circ\text{C} - 8^\circ\text{C}$.

Withdrawal period: None.

Presentation: 100 ml (200 doses), 250 ml (500 doses) and 500 ml (1000 doses).

PMV-Salmo-Vac

Composition: *Paramyxovirus pseudopestis avium*, strain NDV SL-93, *inattivatum* RP $\geq 1^*$

Salmonella typhimurium subsp. Copenhagen, strain 1, 4, 12 : 1, 2, *inattivatum* RP $\geq 1^*$

Target species: Pigeons.

Indication: Active immunization of pigeons from the age of 3 weeks against paramyxovirus and salmonellosis caused by *S. typhimurium* var. Copenhagen.

Dosage and method of administration: 1 dose (0.3 ml) in the dorsal upper third of the neck subcutaneously.

Primary vaccination from the age of 3-4 weeks.

Revaccination 4 weeks after the primary vaccination.

In adult pigeons vaccinate 3 weeks before onset of summer or 3 weeks before an exhibition.

Shelf life: 18 months.

Withdrawal period: None.

Presentation: 10, 20, 50 ml containing 25, 60 and 150 doses.



INACTIVATED VACCINES



ORNIVAC FC

Inactivated monovalent vaccine against Fowl Cholera

Composition: *Pasteurella multocida*, inactivated,

- serovar 1 ($\geq 5 \times 10^6$ CFU *) RP $\geq 1^{**}$
- serovar 3 ($\geq 5 \times 10^6$ CFU *) RP $\geq 1^{**}$
- serovar 4 ($\geq 5 \times 10^6$ CFU *) RP $\geq 1^{**}$
- serovar 3x4 ($\geq 5 \times 10^8$ CFU *) RP $\geq 1^{**}$

*) number of bacterial cells determined before inactivation

**) RP = Relative efficacy (ELISA test) in comparison with reference serum after vaccination of chicken by batch of vaccine that passed the challenge test on the target animal species

Target species: Chickens and turkeys.

Indication: For the active immunization of target species against Fowl Cholera caused by the bacterium *Pasteurella multocida* serotypes 1, 3, 4, 3x4.

Dosage and method of administration: 1 dose (0.5 ml) by subcutaneous injection in the dorsal upper third of the neck or intramuscularly in the pectoral muscle.

Chickens: Primary vaccination – 10–12 weeks of age and revaccination 4–6 weeks later.

Depending in the disease epidemiological situation, it is possible to conduct vaccination in 6–8 weeks old chickens. Primary vaccination during the first week of life and revaccination after 1 week.

Turkey: Vaccination schedule – from 18 weeks of age 2 vaccination doses, the second dose is applied 4–6 weeks after the first dose. Based on the local epidemiological situation (e.g. if the disease occurs at an early age), it is possible to administer the first dose at the age of 6–8 weeks and revaccinate 4–6 weeks after the first dose.

Shelf life: 24 months.

Storage: 2 °C – 8 °C

Withdrawal period: Do not use within 3 weeks before slaughter and within 4 weeks before the start of the laying period.

Presentation: 500 ml (1000 doses).

INACTIVATED VACCINES



ORNIVAC Coryza

Inactivated vaccine against Infectious Coryza

Avibacterium paragallinarum

- serotype A ($\geq 5 \times 10^7$ CFU*) RP $\geq 1^{**}$
- serotype B ($\geq 5 \times 10^7$ CFU*) RP $\geq 1^{**}$
- serotype C ($\geq 5 \times 10^7$ CFU*) RP $\geq 1^{**}$

*) Number of colony forming units before inactivation

**) RP = Relative efficacy (ELISA test) in comparison with reference serum after vaccination of chickens by batch of vaccine that passed the challenge test on the target animal species.

Target species: Domestic fowl.

Indication: For the active immunization of chickens and laying hens against Infectious Coryza caused by *Avibacterium paragallinarum* serotypes A, B and C.

Dosage and method of administration: 1 dose (0.5 ml) by subcutaneous injection in the dorsal upper third of the neck or intramuscularly in the pectoral muscle.

The first dose of the vaccine is administered no earlier than the 5th week of age, the second dose is administered no earlier than 4 weeks after the first dose and no later than 4 weeks before onset of lay.

Shelf life: 24 months.

Storage: 2 °C – 8 °C.

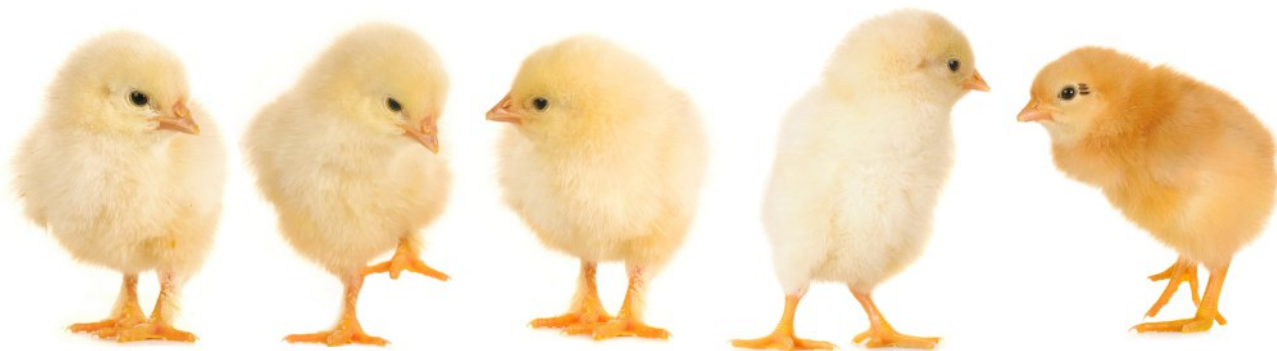
Withdrawal period: Do not use within 3 weeks before slaughter and within 4 weeks before onset of lay.

Presentation: 250 ml, 500 ml (500 and 1000 doses).



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