

VAXXON® Aviflu

Protection right from the start



- Effective protection against Avian Influenza A
- Safe and easy to use from 1 day old onwards

va:xx:inova®

Avian Influenza

H9N2 subtype avian influenza viruses (AIVs) have been isolated from various species of wild birds and domestic poultry in the world, and occasionally transmitted to humans. [1] In outbreaks of H9N2 AI reported in Iran, the isolate was characterized in the laboratory as of low pathogenicity (LP). However, mortality in the field approached 65% on some broiler farms. Lesions were identified only in the respiratory system, particularly the trachea and the bronchi. [2]

H9N2 remains endemic across Asia, mainly limited to outbreaks in domestic land-based poultry, but overshadowed as a pandemic threat by H5N1 bird flu, which has spread from Asia into Africa and Europe. However, there is evidence of interspecies transmission of H9N2 from land-based poultry to mammals, such as pigs and swine. Further evidence of an expanded mammalian host range includes efficient replication of H9N2 in mice without adaptation. H9N2 has already caused mild respiratory disease in humans in Hong Kong and mainland China in 1999 and 2003. [3]

Among low pathogenicity AIV (LPAIV), Eurasian H9N2 have been endemic in the domestic poultry population across North Africa, the Middle East and Asia since its emergence in China during 1994. These viruses are responsible for severe economic losses due to declined egg production and moderate to high mortality in broiler-type chickens. [4] In various outbreaks, inactivated influenza virus vaccines have been used successfully. [5]

Sources:

- 1 - Dongdong Wang, Jingjing Wang, et All - Characterization of avian influenza H9N2 viruses isolated from ostriches (*Struthio camelus*) - Scientific Reports volume 8, Article number: 2273 [2018]
- 2 - H. Nili and K. Asasi - Avian Influenza (H9N2) Outbreak in Iran - Avian Diseases, 47(s3):828-831. 2003
- 3- Paul E Alexander, et all - Is H9N2 avian influenza virus a pandemic potential? - Can J Infect Dis Med Microbiol. 2009 Summer; 20(2): e35–e36.
- 4- Klaudia Chrzastek, et all - Characterization of H9N2 avian influenza viruses from the Middle East demonstrates heterogeneity at amino acid position 226 in the hemagglutinin and potential for transmission to mammals - Virology. 2018 May;518:195-201
- 5- Bahl, A. K., and B. S. Pomeroy. Efficacy of avian influenza oil-emulsion vaccine in breeder turkeys. J. Am. Vet. Med. Assoc. 171:1105. 1977

VAXXON® Aviflu - Protection right from the start

broilers
layers
breeders

Target Species

Chicken (broilers, layers and breeders)

Indications

VAXXON® Aviflu provides active immunization against Avian Influenza type A.

500 /
1000 ds

Dosage

Each vial contains 500 ds (250 ml) or 1000 ds (500 ml).

day 1
onwards

Method of administration

Broilers: 0.2 ml per chick at day old subcutaneously.

Layers & Breeders: 0.2 ml per bird from day old up to 3 weeks.

Re-vaccinations at 8 weeks and between 12-16 weeks are recommended with a dose of 0.5 ml intramuscularly.

24
months

Composition

Each 0.5 ml dose of vaccine contains: Inactivated Avian Influenza A, strain H9N2, inducing 32 Hemagglutination Inhibition (HI) Units. In oil emulsion.

Shelf life

The product in the original packaging can be used until 24 months from the manufacturing date.

H9N2

Storage conditions

The product must be stored at 2°C to 8°C.

Do not freeze. Protect from light.

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Version number 03, 2022.12 Product number 120979

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