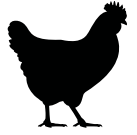


MEVAC™

EDS 76

Inactivated monovalent virus vaccine against Egg Drop Syndrome

IMMUNO
COMPETENCE



INTRODUCTION

Egg drop syndrome, an infectious disease caused by an avian Atadenovirus. This viral disease is characterized by the production of soft-shelled and shell-less eggs by apparently healthy chickens, leading to egg production losses up to 40%.¹

Characteristic lesions in infected birds occur in the pouch shell gland and oviduct, where epithelial cells become necrotic and contain intranuclear inclusion bodies. These findings are pathognomonic, but diagnosis may be confirmed by virus isolation or serology. Hemagglutination-inhibition or neutralization assays are specific for this virus and do not cross-react with antibodies from aviadenovirus infections.¹

The main route of transmission is through contaminated eggs. Droppings also contain virus, and contaminated fomites such as crates or trucks can spread virus. The virus is also transmitted by needles used for vaccinations. Because infection usually remained latent until birds reached sexual maturity and because the virus is transmitted vertically in eggs, the detection of this source of contagion was very difficult. Sporadic outbreaks have also been traced to contact of chickens with domestic ducks or geese, and to water contaminated with wildfowl droppings.¹

This disease has been eradicated from breeder flocks in most countries however remains a threat for layer flocks. Its entry into layer flocks can be further managed by: (i) preventing contact with infected birds, especially waterfowl; (ii) by disinfecting all equipment regularly; and (iii) by treating the water with chlorine solutions. Inactivated vaccines have shown to be greatly effective to reduce viral transmission when used in chickens before the onset of lay.¹

TARGET SPECIES

Chickens.

COMPOSITION (before inactivation)

- Inactivated Egg Drop Syndrome '76 $\geq 8.5 \log_{10} \text{EID}_{50}/\text{dose}$.

INDICATIONS

To protect breeders, layers, grand parents and ducks against Egg Drop syndrome 76 virus infection.

VACCINATION PROGRAM

In pullets not earlier than 2 weeks of age before the expected onset of lay, as per advice from your poultry veterinarian. A booster dose may be required in case of high-risk seasons and areas.

CONSIDERATIONS

- The vaccine may occasionally separate into two layers on storage, therefore the vaccine bottle should be shaken vigorously before and during use to ensure good emulsification. Do not use MEVAC™ EDS 76 if you notice critical irreversible separation of the emulsion.

WITHDRAWAL

Zero days.

DOSAGE

The vaccine dose (0.5 mL/bird) should be administered subcutaneously in the lower part of the neck or intramuscularly in the thigh or breast muscles.

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PRESENTATION

MEVAC™ EDS 76 is packed and presented in 500 mL (1000 doses) polyethylene terephthalate (PET) bottles.

ADMINISTRATION

Before use, the vaccine should be shaken well to ensure proper mixing. Sterile injection equipment should be used to avoid contamination.

- Subcutaneous injection: in the lower part of the neck. The needle should be inserted just under the skin in a direction away from the head and in a straight line with the neck.
- Intramuscular injection: in the breast muscles by inserting the needle with a 45° angle to avoid intraperitoneal injection.

STORAGE PRECAUTIONS

- Store and transport refrigerated (2°C to 8°C).
- Do not freeze.
- Store in a dry place protected from direct light.
- Do not use this product after the expiry date.
- Shelf life: 24 months after manufacturing date.
- Shelf life after first opening the container: 3 hours.

References

1. *Egg Drop Syndrome - an overview. Fenner's Veterinary Virology (Fifth Edition), 2017.*

For further information please contact us:

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kemin.com/eu/en/markets/vaccines



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