Title: Newcastle disease virus vectors expressing consensus sequence of the H7 HA protein protect broiler chickens and turkeys against highly pathogenic H7N8 virus.

Publication Type: Journal Article

Year of Publication: 2019

Authors: Chowdhury, IRoy, Yeddula, SGoutham Re, Pierce, BG, Samal, SK, Kim S-H

Journal: Vaccine

Volume: 37

Issue: 35

Pagination: 4956-4962

Date Published: 2019 Aug 14

ISSN: 1873-2518

Abstract: Continuous outbreaks of highly pathogenic avian influenza (HPAI) viruses in commercial poultry have caused devastating economic losses. In this study, we evaluated Newcastle disease virus (NDV) vectors expressing the consensus sequence of the H7 hemagglutinin (HA) protein from a highly pathogenic H7N8 virus (HP8) in chickens and turkeys. NDV vectors expressing the HP8 H7 HA were evaluated for protection against homologous and heterologous H7 HPAI viruses.

DOI: 10.1016/j.vaccine.2019.07.028

Alternate Journal: Vaccine

PubMed ID: 31320218