



Search

Home

Editorial Board

Archive

In Press Articles

Author's Guide

Submission

Subscription

Top 10

Contact us

Impact Factor: 0.813

5-Year Impact Factor: 0.74



Visitors:

909217

← Pak Vet J, 2017, 37(3): 287-292 →

Efficacy of Four Commercial Infectious Coryza Vaccines on Prevention of *Avibacterium paragallinarum* serovar A, B and C Infection in Thailand

Nataya Charoenvisal¹, Piyarat Chansiripomchai² and Niwat Chansiripomchai¹*

¹Avian Health Research Unit, Department of Veterinary Medicine, Faculty of Veterinary Science, Chulalongkorn University, Bangkok 10330, Thailand;

²Department of Pharmacology, Faculty of Veterinary Science, Chulalongkorn University, Bangkok 10330, Thailand; *Corresponding author: cniwat@chula.ac.th

Abstract

Efficacy of four commercial Infectious Coryza vaccines available in Thailand were examined for protection rate against Thai field isolates serovar A, B, and C. Three hundred and thirty six male, layer chickens were divided into 25 groups. Groups 1-18 were vaccinated twice at 9 and 13 weeks old. Groups 18-24 served as positive controls, and group 25 served as a negative control. Then, groups 1-24 were challenged with *Avibacterium paragallinarum* at 15 weeks old. The result showed that vaccines 1 and 2 provided 100% protection for the birds against serovar A, B, and C Thai field isolates. Vaccine 3 provided 100% protection against serovar B and C, while Vaccine 4 provided 100% protected against only serovar B. No adverse reaction of vaccines was observed in any group. This study revealed that the protection rate of Infectious Coryza vaccines depended on the strains isolated from each country.

Key words: *Avibacterium paragallinarum*, Cross protection, Infectious Coryza, Vaccine efficacy



ISSN 0253-8318 (PRINT)
ISSN 2074-7764 (ONLINE)

