

雞馬立克疫苗發展現況及檢驗方法介紹

動物用藥品檢定分所

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摘要

馬立克病(Marek' s Disease)為一種在家禽的淋巴球增生性疾病，由具致癌性的馬立克皰疹病毒所引發。本病的特徵是 T 細胞淋巴瘤浸潤於周邊神經和器官內，臨床上會造成雞隻沈鬱、麻痺及大量的死亡。施打減毒或無致病性的馬立克疫苗株，可成功降低本病的發生。目前疫苗種類除應用不同血清型病毒株複合使用外，亦發展出基因改造疫苗，可同時預防不同疾病。本次研討會針對馬立克疫苗發展現況及疫苗檢驗方法進行說明與介紹。

Development of a Marek's disease vaccine for poultry

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Abstract

Marek's disease (MD) is a highly contagious viral disease of poultry, and chickens are the most important natural host for Marek's disease virus (MDV). MDV is a lymphoproliferative disease caused by oncogenic (serotype 1) strains of Marek's disease herpesvirus (MDV) belonging to the *Herpesviridae* family. This disease is marked by the presence of T-cell lymphomas as well as lymphocytic infiltration of nerves and organs. Marek's disease can be successfully controlled by vaccination with attenuated or non-pathogenic MDV strains to reduce depression, paralysis, and death in infected chickens. Current commercially available vaccines against MD are not only a combination of different serotypes, but also include virally vectored recombinant vaccines and these various vaccine types can be combined into one. In today's talk, I will introduce the current development status of a Marek's disease vaccine and the protocols for the determination of its safety and efficacy.