

牛流行熱監測資料的呈現

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摘要

牛流行熱是一種侵襲牛與水牛的蟲媒病毒性傳染病，由屬於桿狀病毒科、流行熱病毒屬的牛流行熱病毒所引起。這個傳染病是我國牛群最重要的傳染病之一，自從 1967 年首次發現後，牛流行熱已經威脅我國牛群近半個世紀。雖然已經有定期疫苗接種，但是每年仍有牛流行熱零星發生，每隔數年就會出現較大規模的疫情。為了監測國內牛群的免疫情形，本所已經執行全國性的監測超過 10 年，並累積了數量龐大的檢測數據。本次報告並不打算詳細解釋這段時間的監測結果，而是分享如何呈現監測數據，將數據與模糊的信念相連結，並且成功將監測結果投稿於科學期刊的工作經驗。

From Data to Article: 12-year Survey on Bovine Ephemeral Fever

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Abstract

Bovine ephemeral fever is an arthropod-borne viral disease affecting mainly cattle and buffaloes. Etiological agent of the disease is bovine ephemeral fever virus which is a member of the genus *Ephemerovirus* within the family *Rhabdoviridae*. As one of the most important bovine infectious diseases in Taiwan, bovine ephemeral fever has been threatening our bovine population for decades, since its identification in 1967. Routine vaccination against the disease has been implemented; meanwhile, outbreaks still occur almost every year and epizootics every a few years. To monitor the humoral immunity of cattle population, Animal Health Research Institute has conducted national survey programs from more than one decade and a huge number of data have been accumulated. This talk did not intend to present the results of the survey programs. Instead, we attempt to explain how we illustrate the findings, connect the findings with what we believed, and successfully present the findings on a scientific journal.