

# 兔化豬瘟疫苗的製造

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## 摘要

豬瘟 ( Hog Cholera) 又名古典型豬瘟 ( Classical Swine Fever; CSF )，是由豬瘟病毒 ( Classical Swine Fever Virus ; CSFV ) 所引起的高傳染性、高致死性豬病。由於病毒株的差異，症狀由不明顯、慢性到急性都可能發生；急性型豬瘟的感染率與死亡率可達 100 %，造成巨大的經濟損失。豬瘟病毒屬於黃病毒科 ( Flaviviridae )、瘟疫病毒屬 ( Pestivirus ) 的RNA病毒，會造成豬隻發燒、下痢及臟器出血等症狀。2019 年本所生產的乾燥兔化豬瘟疫苗共有 1,673,320 劑量；每隻兔子平均可生產 522 劑量的兔化豬瘟疫苗。基於動物保護的原則，本所持續減少製造兔化豬瘟疫苗，預計 111 年起將不再製造兔化豬瘟疫苗。

# **Manufacture of Freeze-dried Hog Cholera Lapinized Live Vaccine**

Chyi-Sing, Hwang

## **Abstract**

Hog cholera, also known as classical swine fever (CSF), is caused by the Classical Swine Fever Virus (CSFV), and it is a highly contagious and lethal disease affecting swine. Clinical outcomes of CSFV infection can vary with different virus strains, from the acute form which can result in mortality, to strains resulting in mild, chronic or even inconspicuous symptoms. CSFV is a RNA virus belonging to the genus *Pestivirus* in the family *Flaviviridae*, which commonly induces fever, diarrhea and internal organ hemorrhage in infected hosts. AHRI produced 1,673,320 doses of the hog cholera lapinized vaccine in 2019, and an average of 522 doses were obtained per rabbit. As a result of animal welfare concerns, the hog cholera lapinized live vaccine will no longer be produced at AHRI starting in 2022.