

# 電子顯微鏡下羊痘病毒型態介紹

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## 摘要

近年來由於電子顯微鏡效能及週邊設施提升，以簡單而直接的觀察就能測量估計病毒大小及其構造。2008年於桃園縣兩養羊場爆發台灣首例山羊痘病例。2010年四月於全台各地爆發羊痘疫情，並以電子顯微鏡觀察630個送檢檢體。病毒的型態為磚型，病毒顆粒大小為290×270 nm，病毒表面具有管狀小體構成絲狀結構。

# **The introduction to the morphology of capripoxviruses using EM**

S.T. Kuo

## **Abstract**

In recent years, the electron microscope performance and accessory devices were promoted and the observation of viral structure and the estimation of viral size become simple and direct. The first goat pox case occurred in Taiwan in 2008. Epidemic outbreak of sheep pox was in April 2010 and 630 inspection samples examined by electron microscopic .The morphology of capripoxviruses is brick-type and the size is about  $270 \times 290$  nm. The virus surface of tubular corpuscle constitute filaments structure.