

# 應用動物健康監測技術平台提升種豬場之經營效率

疫學研究組

李淑慧研究員兼組長

## 摘要

自 2009 年起應用動物健康監測技術平台，輔導種豬場規劃自場生物安全計畫及標準作業流程，透過詳實記錄場內動物健康狀態，建立早期預警系統以減少動物疫病發生；2010 年計完成 21 場種豬場輔導及採集檢體計 1,898 件，應用聚合酵素連鎖反應(PCR)技術進行重要病原監測及血清抗體檢測，彙整結果告知各種豬場，協助其修正疫苗免疫適期及生物安全計畫。近年輔導種豬場實施新式養豬生產醫學並持續辦理教育訓練，結果顯示可有效提升豬隻育成率達 15% 以上，未來擬將此健康監測技術推廣以提升豬場之經營效率。

# **Application of animal health monitoring technology to enhance the operating efficiency of pig breeding farms**

Shu-Hwae Lee

## **Abstract**

Since 2009, technique platform of “Develop the biosecurity and biodefence for breeding stock and poultry” has been applied to establish biosecurity plans and standard operation procedures for the pig breeding farms. We expect to reduce the incidence of disease through detail recording on the animal status of the herd and accomplishing early warning system by owners. Twenty-one farms have submitted 1,898 samples for detection of serum antibodies and by polymerase chain reaction (PCR) technology for health surveillance on important pathogens. According to the analyzed data vaccination program and biosecurity plans been conducted in those farms were recommended. In recent years, we have been working on swine production medicine training for swine producers. Results reveal that finishing rate has been effectively increased by 15% in pig farms. We expect to implement animal health monitoring plan and swine production medicine for more pig farms year-by-year.