

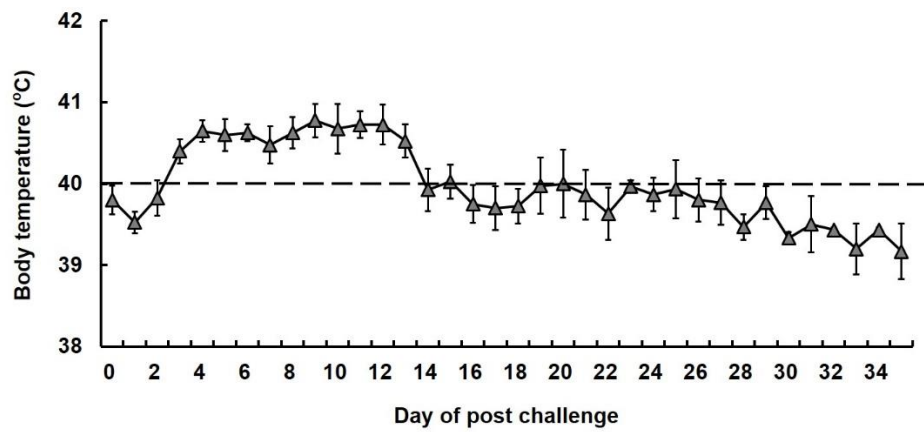
## 財團法人農業科技研究院 可移轉技術簡介

技術名稱 Technology Term	豬生殖與呼吸道綜合症攻毒模式
	Porcine reproductive and respiratory syndrome virus challenge model
技術發明人 Technology Representative	林俊宏、陳正文、王志鵬、彭子庭、李蕙宇
	Jiunn-Horng Lin, Zeng-Weng Chen, Jyh-Perng Wang, Tzu-Ting Peng, and Huei-Yu Lee
技術應用領域 Technology Field	豬生殖與呼吸道綜合症 (PRRSV) 疾病感染模式研究、豬生殖與呼吸道綜合症 (PRRSV) 疫苗或抗病毒藥物開發、動物用疫苗產業。
	Porcine reproductive and respiratory syndrome virus (PRRSV) disease mechanism study, PRRSV vaccine or antiviral drug development, and animal vaccine industry.
技術簡介 Technology Description	<p>豬生殖與呼吸道綜合症病毒 (Porcine reproductive and respiratory syndrome virus, PRRSV)，會造成母豬繁殖障礙與肉豬呼吸異常，嚴重衝擊全球養豬產業，因此研發有效之 PRRSV 疫苗與建立驗證工具非常重要。本攻毒模式包含標的動物效力試驗與診斷檢測方法，可作為 PRRSV 疫苗效力驗證之技術平台，而所使用之 PRRS 野外種毒株，未來亦有開發成為活毒減毒疫苗之潛力。本技術可輔助業者 PRRSV 疫苗商品化與提升我國疫苗檢定能量，應用於 PRRS 疾病防治以提昇養豬產業價值。</p>
	<p>Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) causes reproductive failure in sows and respiratory disorders in pigs. The disease causes lots of economic losses in the global swine industry. Development of a validated tools to evaluate the PRRSV vaccines are critical for vaccine development. The technology of this challenge model includes target animal efficacy tests and diagnostic methods, which can serve as a technical platform for evaluating the vaccine efficacy. In this technology, the PRRSV strain is isolated from a field farm from Taiwan and is potential for developing a live attenuated vaccine. This challenge model can promote the commercialization of PRRSV vaccines and improve the validation quality of PRRSV vaccines. It can be applied to prevent PRRSV diseases and enhance the economic value of the swine industry.</p>
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	授權地區為全球(包含臺灣)使用
	Non-Exclusive License Agreement

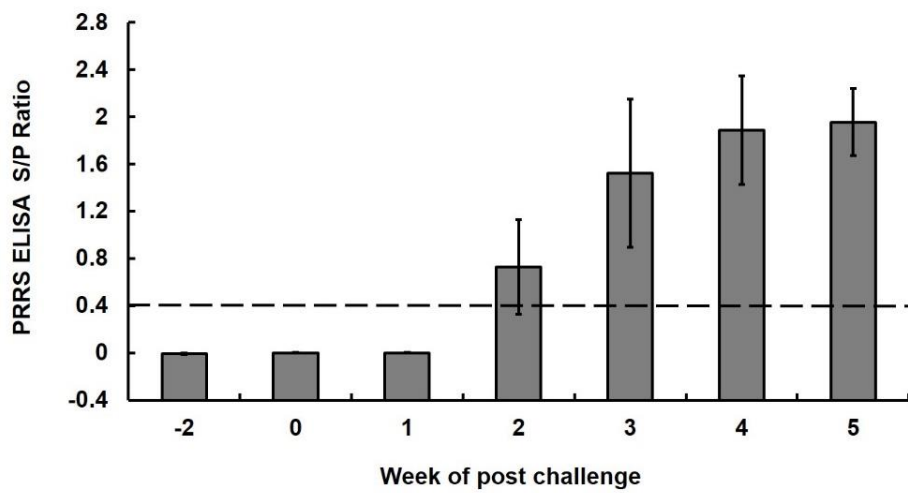
技轉相關  
圖/表



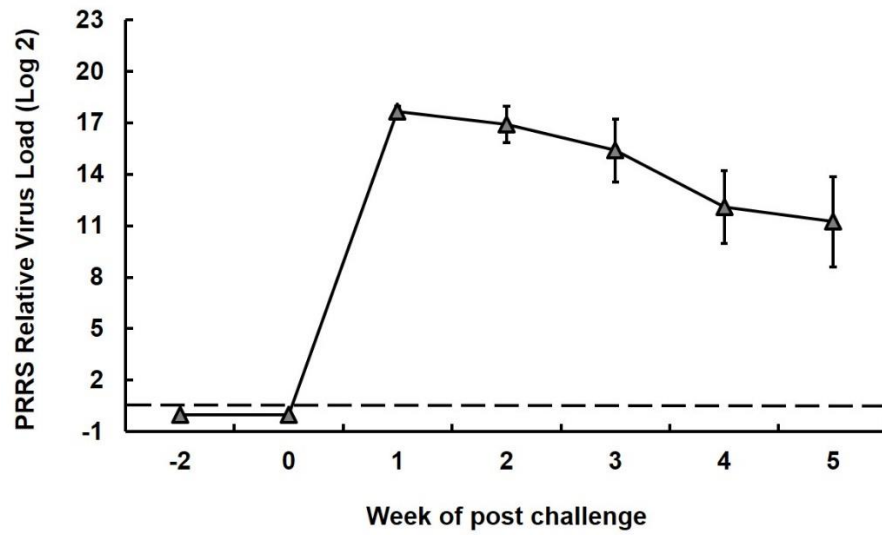
豬隻攻毒 PRRSV 後，於臨床症狀可觀察到耳朵發紺。



豬隻於 PRRSV 攻毒後 4-5 天，開始出現發燒。



豬隻於 PRRSV 攻毒後 2 週，血清中 anti-PRRSV 抗體轉陽性。



豬隻於 PRRSV 攻毒後 1 週，血清中病毒含量變化。

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