



Animal &
Plant Health
Agency



Challenge Models

The Agency holds a great variety of antigens for which it could set up in vivo models and study both pathogenesis and vaccines. APHA Scientific also offers a wide range of animal disease challenge models for testing the efficacy of experimental vaccines.

The stock of our challenge models can fluctuate. Please contact us for further details as availability can be limited and subject to the relevant licences. New models can be developed to meet the needs of our customers.

Bacteria	Species	Model	Key
Campylobacter	Chickens / Turkeys	Colonisation/ Probiotics	▲
	Chickens	Challenge	◆ ▲
Clostridium perfringens - Necrotic Enteritis	Avian	Challenge	●
	Chickens	Colonisation / Probiotics	
Enterococci	Chickens	Challenge	● ▲
Escherichia coli	Avian/Pigs/Cattle/Sheep	Challenge	● ▲
	Chickens	Challenge	◆ ▲
	Wax Moth / Waxworm	Virulence / Colonisation	▲
Mycobacterium bovis	Cattle	Challenge	
Salmonella Enteritidis	Chickens	Challenge	◆
Salmonella Typhimurium	Chickens	Challenge	◆
Salmonella	Avian/Pigs	Challenge	●
	Wax Moth / Waxworm	Virulence / Colonisation	
Virus	Species	Model	Key
African Swine Fever	Pigs	Challenge	
Avian Influenza	Chickens/ Pigs/ Ferrets / Turkeys / Ducks	Challenge	
Bovine Viral Diarrhoea	Cattle	Challenge	
Classical Swine Fever	Pigs	Challenge	
Infectious Bursal Disease	Chickens	Challenge	
Infectious Bronchitis	Poultry	Disease	
Newcastle disease	Chickens/ Turkey/ Game Birds	Challenge	
Porcine Reproductive and Respiratory Syndrome	Pigs	Challenge	
Schmallenberg	Sheep	Challenge	
Swine Influenza	Pigs / Ferrets	Challenge	

Key	
●	Colonisation / Persistence / Pathogenesis
◆	Colonisation plus use of antimicrobials
▲	May require new HO license, advance notice need

If you would more information please contact
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