

## Veterinary PT programmes organised by Sciensano

Overview of the veterinary proficiency test (PT) programmes organised by Sciensano which can be categorised into three domains: bacterial disease, prion disease, and viral disease. Within each PT programme, there are subdivisions for Disease, Test, Matrix, and Method.

[Ab = antibody; Ag = antigen; DGGE = Denaturing gradient gel electrophoresis; DIVA = Differentiating infected from vaccinated animals; ELISA = Enzyme-linked immunosorbent assay; IPMA = Immunoperoxidase monolayer assay; qPCR = Real-time polymerase chain reaction; RBT = Rose Bengal test; RT-PCR = Reverse transcription polymerase chain reaction; SAW = Stain agglutination of wright; VNT = Virus neutralisation test].

Domain	Veterinary proficiency test (PT) programme			
	Disease	Test	Matrix	Method(s)
<b>Bacterial disease</b>	Q fever	Bacteriology	Organs	qPCR
		Bacteriology	Milk	qPCR
		Serology	Serum	ELISA (Ab)
		Serology	Milk	ELISA (Ab)
	Salmonellosis	Bacteriology	Organs	Isolation (culture)
	Brucellosis	Bacteriology	Organs	Isolation (culture)
		Serology	Serum	ELISA (Ab)
		Serology	Serum	RBT
		Serology	Serum	SAW
		Serology	Milk	ELISA (Ab)
	Leptospirosis	Bacteriology	Organs / Urine	qPCR
	Bovine Tuberculosis	Serology	Serum	ELISA (Ab)
		Interferon $\gamma$	Serum	ELISA (Ab)
	Paratuberculosis	Serology	Serum	ELISA (Ab)
		Serology	Milk	ELISA (Ab)
Chronic Respiratory Mycoplasma	Bacteriology	Swabs	qPCR	
<b>Prion disease</b>	Scrapie	Genotyping	Blood	PCR + genotyping (DGGE / sequencing)
	Bovine Spongiform Encephalopathy	Prionology	Tissue (brain)	ELISA (Ag)

## Veterinary proficiency test (PT) programme

Domain	Veterinary proficiency test (PT) programme			
	Disease	Test	Matrix	Method(s)
Viral disease	Bovine Viral Diarrhea	Virology	Serum	ELISA (Ag)
		Virology	Serum	qPCR
		Virology	Blood	ELISA (Ag)
		Virology	Blood	qPCR
		Virology	Ear notch	ELISA (Ag)
		Virology	Ear notch	qPCR
		Serology	Serum	ELISA (Ab)
	Porcine Reproductive and Respiratory Syndrome	Virology	Blood	qPCR
		Serology	Serum	ELISA (Ab)
	African Swine Fever	Virology	Serum	qPCR
		Serology	Serum	ELISA (Ab)
	Classical Swine Fever	Serology	Serum	ELISA (Ab)
	Infectious Bovine Rhinotracheitis	Serology	Serum gB	ELISA (Ab)
		Serology	Serum gE	ELISA (Ab)
		Serology	Milk gB	ELISA (Ab)
		Serology	Milk gE	ELISA (Ab)
	Aujeszky's Disease	Serology	Serum gB	ELISA (Ab)
		Serology	Serum gE	ELISA (Ab)
	Enzootic Bovine Leucosis	Serology	Serum	ELISA (Ab)
	Caprine arthritis encephalitis & Maedi Visna	Serology	Serum	ELISA (Ab)
	Blue Tongue	Serology	Serum	ELISA (Ab)
		Virology	Blood	qPCR
	Capripox	Serology	Serum	ELISA (Ab)
		Serology	Serum	VNT
		Serology	Serum	IPMA
		Virology	Virus stock and tissue suspension	RT-PCR
		Virology	Virus stock and tissue suspension	DIVA qPCR
		Virology	Virus stock and tissue suspension	Species differentiation