

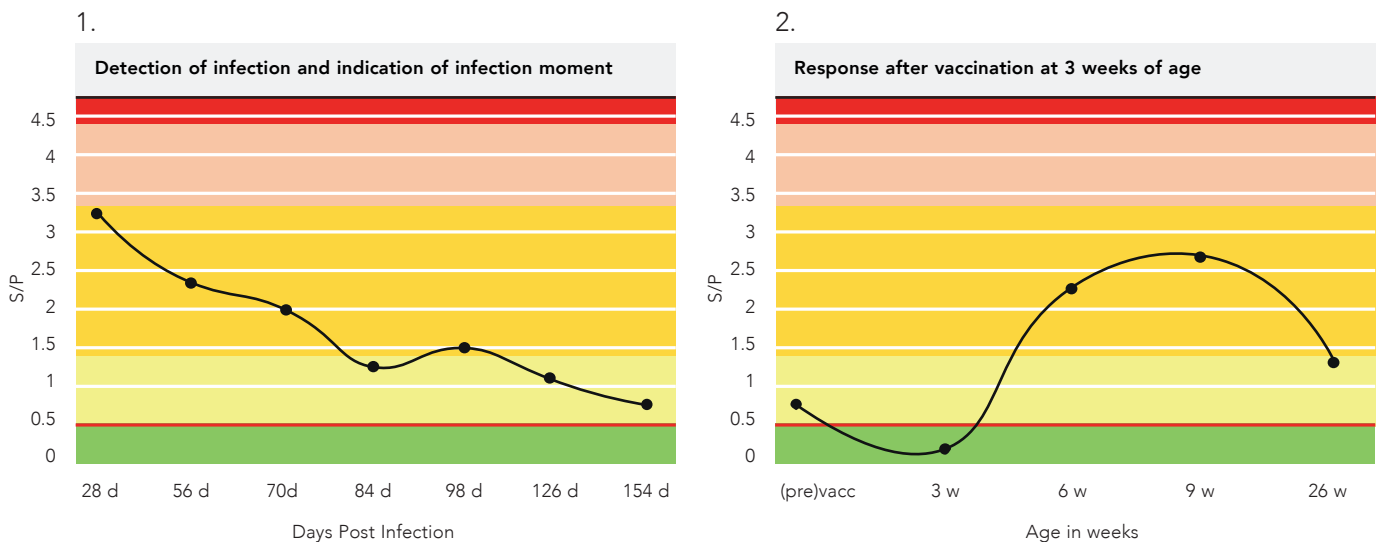


PRRS XR Ab ELISA

A step forward in the control of PRRS

PRRS XR ELISA is developed to meet the current needs in the market for:

- Detection of all PRRS infections (genotype I and II) and estimation of the infection moment* (1)
- Optimal serological evaluation of PRRS vaccination due to the eXtended Dynamic Range* (2)
- Use in screening and monitoring programs.



PRRS (Porcine Reproductive Respiratory Syndrome)

The infection causes abortions in sows, early farrowing and increased amount of weak and/or dead born piglets. Respiratory symptoms are mostly seen in piglets and finishers. There are two genotypes of PRRS virus. Genotype I (EU) is predominant in Europe and genotype II (US) in the rest of the world.

Immunity and protection:

The antibody response is detectable around 10-14 days after infection or vaccination. Infected pigs have a prolonged viremia, mostly from 4-6 weeks. The viremia and clinical symptoms can be reduced by vaccination.

* Extended dynamic range: a wider titer range for better distinction between negative, low, moderate and high titers and optimal detection of antibodies against both genotype I and genotype II.

About the BioChek test kit

The Porcine Respiratory Reproductive Syndrome Ab Test Kit (PRRS XR Ab ELISA) will measure the amount of antibody to PRRS in the serum of pigs. Microtitre plates have been pre-coated with purified PRRS antigens. Antibodies due to natural infection and antibodies due to vaccination will be detected. The test results will be presented in a semi-quantitative manner allowing for differentiation between negative, low, moderate and high serological responses.

<p>Key performance features:</p> <ul style="list-style-type: none"> ▪ High sensitivity for both genotype I and II infections including a high specificity ($\geq 99,6\%$) ▪ Differentiates between high-medium and low levels of antibodies. 	<p>Kit specifications:</p> <ul style="list-style-type: none"> ▪ 5 plates per kit-strip format ▪ Color coded reagents ▪ Test protocol: 30-30-15 ▪ Reads at 405 nm ▪ 1:50 dilution ▪ Shelf life: 1 year
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Reference control (product code SR700) available:

A reference control insures that the test results are valid and reproducible. This control needs to be ordered separately as it is kit batch independent.

Guideline interpretation table BioChek PRRS XR Ab ELISA					
No vaccination		BioChek PRRS XR ELISA (S/P and titer)		Vaccination	
No infection	Not detectable	$< 0,5$	< 850	Not detectable	No infection
Old infection (or a very recent one*)	Low	0,5	850	Low	
		1	2300		
Recent-old infection*	Moderate	1,5	3700	Moderate	Vaccination response with No or MODERATE antibody boosting due to field virus contact
		2	5000		
		3	8000		
Recent infection*	High	3,5	9000	High*	Vaccination response with antibody boosting due to field virus contact
		4	10.000		
	Very high	4,5	11.000	Very high*	
		5	12.000		
		$\geq 5,5$	≥ 13.000		

- * Piglets/finishers →
 - Clinical symptoms present and other PRDC infections excluded: likely PRRS
 - Suspected PRRS clinical symptoms: high probability of PRRS (Check: cross sectional profile/evt. necropsy+histology/or paired sampling)
- * Sows →
 - Titers $\geq 3.0/8000$ indicates recent fieldvirus contacts/infections. Do eventual PCR and aborted/weak/dead born piglets

BioChek - Adding value to test results

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PRRS XR Ab ELISA
 Catalogue number: SK112