

FBA Laboratories Ltd

Diagnostic Test Performance

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Issue Date:	27-07-21
Issued By:	Elaine Langley
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Test Method	Sample Type	Interpretation	Status	
BVD Antigen ELISA	Serum	S-N>0.3	Positive	Circulating high titers of maternal BVD antibodies in colostrum might interfere with the detection of BVD antigen in serum. Serum and blood samples can only be tested from animals >75 days old.
		S-N≤0.3	Negative	
BVD Antigen ELISA	Ear Notch	S-N>0.3	Positive	
		0.2 <S-N ≤0.3	Inconclusive	
		S-N ≤0.2	Negative	
BVD Virus PCR	Ear Notch	No Ct	Negative	
		Ct <40	Positive	

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Test Method	Sample Type	Interpretation	Status
MAP Antibody ELISA (Johne's)	Serum	S/P% ≤60	Negative
		60 <S/P% <70	Inconclusive
		S/P% ≥70	Positive
MAP Antibody ELISA (Johne's)	Milk (Individual only)	S/P% ≤15	Negative
		15 <S/P% ≤30	Inconclusive
		S/P% >30%	Positive

CAUTION: Cross –reactivity with the intradermal tuberculin test (TB test) may cause false positive results at herd or individual level. Therefore, after a TB test it is advisable to avoid testing for Johne's for about three months by which time antibody levels will have declined significantly.

Test Method	Sample Type	Interpretation	Status
MAP Virus PCR (Johne's)	Faeces	No Ct	Negative
		Ct <40	Positive

At farm level, interpretation of laboratory results in terms of assigning Johne's disease status should be undertaken by the herd veterinary surgeon (VS) as the appropriate diagnostician. Risk factors such as, herd history, calving management, open or closed herd, age of animal and clinical signs must be taken into account. Even then, repeated testing over time will give more reliable results in terms of the risk status of the individual or herd.