

NML HEALTHCHECK GUIDANCE NOTES FOR INDIVIDUAL COW
SERUM ELISA RESULTS

Test	Category	% Inhibition	Comments
BVD antibody	Negative	≤50	Low level/undetectable antibody levels. This cow does not have measurable antibody levels and may be at risk of infection from the disease. This animal could also be a PI animal.
	Inconclusive	>50 & <60	Inconclusive
	Positive	≥60	Medium-high antibody levels. This cow is demonstrating antibody levels and therefore may be immune.

Please Note – This test is unable to differentiate antibodies which result from vaccine or exposure to the virus.

Test	Category	S-N	Comments
BVD antigen	Negative	≤0.3	Low level/undetectable antigen levels. No Virus is present in this sample.
	Positive	>0.3	Antigen present. This cow is likely to be infected with BVD.

Test	Category	% Inhibition	Comments
IBR	Negative	<45	Low level/undetectable antigen levels. This cow does not have measurable antibody levels and may be at risk of infection from the disease. This cow could be a carrier of the virus.
	Inconclusive	≥45 & <55	Inconclusive
	Positive	≥55	High antibody levels. This cow is demonstrating antibody levels and therefore may be immune. This cow could be a carrier of the virus.

Test	Category	S / N	Comments
IBR-gE	Negative	>0.7	No evidence of wild infection
	Inconclusive	≤0.7 & >0.6	Inconclusive
	Positive	≤0.6	Wild Infection or vaccine response to standard vaccine has been detected.*

**The test identifies antibody sites specific to the gE protein. IBR-gE deleted vaccines do not contain this protein so corresponding vaccine response should not be detected by the test. If antibody to this gE protein has been detected, it could be a response to previous vaccination with a standard vaccine or wild infection.
S/N is a ratio between sample titre and negative control titre. It provides an inverse scale due to the nature of the calculation.

Results relate only to the sample as received by the laboratory. No biological assay is 100% accurate and whilst laboratories warrant that their tests will meet their applicable declared specifications, the laboratories make no other warranty, expressed or implied and accept no responsibility or liability in respect of false results which are within the limits of the declared specifications of the tests offered.

NML HEALTHCHECK GUIDANCE NOTES FOR INDIVIDUAL COW SERUM ELISA RESULTS

Test	Category	% Positivity	Comments
Johne's (Map)	Low	≤45	Low/undetectable antibody levels. This cow is not currently demonstrating an antibody response to the disease however this animal could be infected and hiding the disease.
	Medium	>45 & <55	Inconclusive
	High	≥55	High antibody levels. This cow is demonstrating a high level of antibodies and therefore could be infected and possibly contagious.

**Please note, individual cow Johne's results require careful interpretation and act only as a guide to the Johne's disease status of individual cows. If you have TB tested in the last 4-6 weeks this may have an effect on the results. Consult your vet for further information.*

Test	Category	% Positivity	Comments
Lepto hardjo	Negative	≤5	Low/undetectable antibody levels. This cow does not have measurable antibody levels and may be at risk of infection from the disease. This cow could be a carrier of the bacteria.
	Inconclusive	>5 & ≤12	Inconclusive
	Positive	>12	High antibody levels. This cow is demonstrating antibody levels and therefore may be immune. This cow could be a carrier of the bacteria.

Test	Category	% Positivity	Comments
Neospora	Negative	<20	Low/undetectable antibody levels. As antibodies are not produced until late pregnancy negative results must be interpreted with care.
	Positive	≥20	High antibody levels. This cow is likely to be infected with Neospora.

Test	Category	% Positivity
FASCIOSIS (Liver Fluke)	No/weak Infestation - There is currently no indication of liver fluke infection in the animals tested.	≤30
	Low Infestation - This is an indication of liver fluke infection in a small proportion of those animals tested.	>30 ≤80
	Medium Infestation - There is strong evidence of a moderate level of liver fluke infection within the herd.	>80 <150
	High Infestation - There is strong evidence of a high level of liver fluke infection within the herd.	≥150

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