



Quarterly Camelid Serology Report for 2025 - Qtr 1

Year, Quarter

Multiple selections ▾

Table 1a

Country	No. Samples Tested
England	221
Non GB	0
Not Known	2
Scotland	0
Wales	19
Total	242

Table 1b

Project Group	No. Samples Tested
<input type="checkbox"/> Commercial/Private Testing	0
SER-DIAG	0
SER-EXP	0
SER-MVT	0
SER-RHT	0
<input checked="" type="checkbox"/> Other	60
<input type="checkbox"/> Parallel	6
PAR-COL-W	0
PAR-SUS	0
PAR-TB	6
PAR-TRC	0
<input type="checkbox"/> Serial	176
SER-CHK	0
SER-COL	27
SER-CONT	147
SER-EPI	2
Total	242



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Table 1b

Country	No. Submissions	No. Samples Tested	No. Positive Samples	% Positive Samples
<input type="checkbox"/> England	19	221	0	0.0 %
<input type="checkbox"/> Commercial/Private Testing	0	0	0	0.0 %
SER-DIAG	0	0	0	0.0 %
SER-EXP	0	0	0	0.0 %
SER-MVT	0	0	0	0.0 %
SER-RHT	0	0	0	0.0 %
<input type="checkbox"/> Other	2	60	0	0.0 %
	0	0	0	0.0 %
AI_DIAG	0	0	0	0.0 %
BRUC_DIAG	0	0	0	0.0 %
BT_DIAG	0	0	0	0.0 %
PME	0	0	0	0.0 %
SER-SUS	2	60	0	0.0 %
TB_DIAG	0	0	0	0.0 %
TB_REACT	0	0	0	0.0 %
<input type="checkbox"/> Parallel	1	4	0	0.0 %
PAR-TB	1	4	0	0.0 %
PAR-TRC	0	0	0	0.0 %
<input type="checkbox"/> Serial	16	157	0	0.0 %
SER-CHK	0	0	0	0.0 %
SER-COL	4	27	0	0.0 %
SER-CONT	11	128	0	0.0 %
SER-EPI	1	2	0	0.0 %
<input type="checkbox"/> Non GB	0	0	0	0.0 %
Total	23	242	0	0.0 %



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Table 4: Number of samples Tested by Test Code

Year ANALYSIS	2025	
	Qtr 1	Total
TC0503		
Camelid TB Enferplex - 2 Spot	4	4
TC0603		
Camelid TB Enferplex - 4 Spot	105	105
TC0611		
Chembio DPP VetTB lateral flow rapid antibody test	73	73
TC0867		
Camelid TB Antibody ELISA	79	79

Test Criteria

Submission Reason & Explanation

APHA /DEFRA: At Government expense

Parallel Test:

PAR-TB TB: breakdown herd with confirmed M. bovis infection (including Wales where Officially TB Free Withdrawn [OTFW] status is determined on epidemiological grounds)

PAR-SUSTB: strongly suspected but not currently confirmed by laboratory culture – herd under restrictions

PAR-TRC: Forward tracing(s) from an M. bovis-infected camelid herd (includes camelid herds in Wales only co-located on the same premises with infected cattle, sheep, deer, goats & pigs)

PAR-COL-W: Wales only - camelids under restriction due to sharing a holding (colocation) with an OTFW cattle herd or with other non-bovine animals affected by a culture-confirmed incident

Serial Test:

SER-SUS: (replaces PAR-SUS) TB strongly suspected but not currently confirmed by laboratory culture – herd under restrictions. If infection is confirmed the initial High Specificity (serial) test results can be reinterpreted at High Sensitivity on request from the APHA case vet.

SER-CONT: Herd not under restriction but contiguous to a TB-infected herd

SER-COL: Herd not under restriction but co-located with an infected herd of cattle, deer, goats etc. (Eng & Scot only)

SER-EPI: Herd not under restriction but TB tested due to an epidemiological link with a known infected herd (e.g. back-tracing)

SER-CHK: Inconclusive Reactor check test – e.g. where private Enferplex test has produced a 2-spot-positive result on 2 consecutive occasions

Commercial/Private: At Owner expense

SER-MVT: Pre- or post-movement test

SER-EXP: Pre-export test

The camelid TB serology (antibody) test generally comprises two separate antibody tests in a test package that can be applied flexibly to increase the sensitivity or specificity of the test as required, by using a parallel or serial test interpretation respectively. The sensitivity and specificity values of combined antibody testing for camelids were described under AHVLA Project FT1477 (see Rhodes et al., 2012) and re-assessed in May 2018 to show the following test performance;

Table 1 – High Sensitivity / Parallel test options:

	% Se	95% C.I.	% Sp	95% C.I.
IDEXX /DPP VetTB	74	65.4-82.6	96	93.8-98.2
ENFER 2-SPOT/DPP VetTB	71	62.1-79.9	96.7	95.8-99.4
IDEXX/ENFER 2-SPOT	75	66.5-83.5	97.3	95.4-99.1

Fishers Exact [2-sided] test showed no significant difference in sensitivity or specificity between any of these three test options.

Table 2 – High Specificity / Serial test options:

	% Se	95% C.I.	% Sp	95% C.I.
ENFER 4-SPOT	60	50.4-69.9	99.66	98.9-100
IDEXX/DPP VetTB	56	46.3-65.7	100	

Fishers Exact [2-sided] test showed no significant difference in test sensitivity or specificity between these two test options.

Rhodes, S., Holder, T., Clifford, D., Dexter, I., Brewer, J., Smith, N., Waring, L., Crawshaw, T., Gillgan, S., Lyashchenko, K., Lawrence, J., Clarke, J., de la Rúa-Domenech, R., Vordermeier, M., 2012. Evaluation of gamma interferon and antibody tuberculosis tests in alpacas. *Clin Vaccine Immunol* 19, 1677-1683.