



Our ref: FOI2023/08986
10 July 2023

Dear [REDACTED]

REQUEST FOR INFORMATION: Brucella Canis information

Thank you for your request for information of 10th May about Brucella Canis. APHA have handled your request under the Freedom of Information Act 2000 (FOIA).

Your information request and our response are set out below.

“Please can you tell me what (correct to 1 decimal point) the sensitivity and specificity of the following Brucella canis tests are: SAT, iELISA, combined tests (SAT & iELISA). Please can you also tell me (correct to one decimal point) the 95% confidence interval around the sensitivity and specificity values for each of these tests/combination of tests is?”

The 95% confidence intervals for the combined (Brucella canis SAT + Brucella canis iELISA) test algorithm (where a sample is considered serologically positive if it is positive to either test and negative if it is negative to both tests (tests as used and performed at APHA) are:

Diagnostic specificity (DSp) = 0.989 (98.9%), 95% Confidence interval: 0.960 – 0.997

Diagnostic sensitivity (DSn) = 0.922 (92.2%), 95% Confidence interval: 0.839 - 0.976

For iELISA only

DSp = 0.991 (99.1%), 95% Confidence interval: 0.968 - 0.889

DSn = 0.896 (89.6%), 95% Confidence interval: 0.808 - 0.946

For SAT only

DSp = 0.998 (99.8%), 95% Confidence interval: 0.992 - 0.9997

DSn = 0.711 (71.1%), 95% Confidence interval = 0.613 - 0.795

These values may change as more samples of suitable provenance become available to support the validation.

Information disclosed in response to this FOI request is releasable to the public. In keeping with the spirit and effect of the FOIA and the government's Transparency Agenda, this letter and the information disclosed to you may be placed on GOV.UK,

together with any related information that will provide a key to its wider context. No information identifying you will be placed on the GOV.UK website.

An Annex is attached which explains the copyright that applies to the information being released to you and contact details should you be unhappy with the service you have received.

If you have any queries about this letter, please contact the Access to Information Team at the email address below or postal address at the top of this letter.

Yours sincerely

Access to Information Team

enquiries@apha.gov.uk

Annex

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Complaints

If you are unhappy with the service you have received in relation to your request, you may make a complaint or appeal against our decision under section 17(7) of the FOIA within 40 working days of the date of this letter. Please write to the Access to Information Team at the address at the top of this letter or email enquiries@apha.gov.uk and the team will arrange for an internal review of your case.

If you are not content with the outcome of the internal review, section 50 of the FOIA gives you the right to apply directly to the Information Commissioner's Office (ICO) for a decision. Please note that generally the ICO cannot make a decision unless you have first exhausted APHA's own complaints procedure.

The ICO can be contacted at:

Information Commissioner's Office
Wycliffe House
Water Lane
Wilmslow
Cheshire
SK9 5AF

Please click [here](#) for further contact details.