


Results tabulation for 14442/SE PT0145: Avian Reticuloendotheliosis (REV)
Distribution Date: 19/01/2021

ELISA	ELISA kit used	Pos/Neg Cutoff value	21/7001		21/7002		21/7003		21/7004	
			SP Ratio	Interpretation (+ve/-ve/IC)	SP Ratio	Interpretation (+ve/-ve/IC)	SP Ratio	Interpretation (+ve/-ve/IC)	SP Ratio	Interpretation (+ve/-ve/IC)
Intended			Negative		1/32 dilution		1/16 dilution		1/32 dilution	
				-ve		+ve		+ve		+ve
1143	BioChek FS7952	≥ 0.5	0,159	-ve	0,620	+ve	0,938	+ve	0,681	+ve
1318	REV IDEXX lot 09267-FR475	0.5	-0.029	-ve	0.370	IC	0.734	+ve	0.314	IC
1923	IDEXX 09267-BS635	S/P > 0.5 = Positive	0.19	-ve	0.96	+ve	2.07	+ve	0.98	+ve

ELISA	21/7005	
	SP Ratio	Interpretation (+ve/-ve/IC)
Intended	1/8 dilution	
		+ve
1143	1,599	+ve
1318	1.261	+ve
1923	3.79	+ve

Testing carried out to determine the intended results of the samples using IDEXX ELISA, was subcontracted to an Animal and Plant Health Agency (APHA) laboratory.

Sample 21/7002 = 21/7004

Comments provided by John Fraser, APHA Lasswade

Laboratories 1143 & 1923 have correctly identified all positive and negative samples.

Laboratory 1318 has correctly identified samples 21/7001, 21/7003 & 21/7005 - However, the remaining paired samples 21/7002 & 7004 are listed as inconclusive. The IDEXX kit employed has a published S/P +ve cut-off of > 0.5 but the lab appears to have an additional inconclusive range which may have been determined from internal validation studies. The lab may wish to review these results as the values obtained are much lower than the other participant using the IDEXX kit.

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