

Intended Result	Your Report	Your Score
Specimen 8196 Anti-HBs low level positive (10-100 mIU/mL)	Anti-HBs low level positive (10-100 mIU/mL)	2
Specimen 8197 Anti-HBs positive (>100 mIU/mL)	Anti-HBs positive (>100 mIU/mL)	2
Specimen 8198 Anti-HBs low level positive (10-100 mIU/mL)	Anti-HBs low level positive (10-100 mIU/mL)	2
Specimen 8199 Anti-HBs negative (<10 mIU/mL)	Anti-HBs negative (<10 mIU/mL)	2
Specimen 8200 Anti-HBs positive (>100 mIU/mL)	Anti-HBs low level positive (10-100 mIU/mL)	2
Specimen 8201 Anti-HBs negative (<10 mIU/mL)	Anti-HBs negative (<10 mIU/mL)	2

Cumulative score information

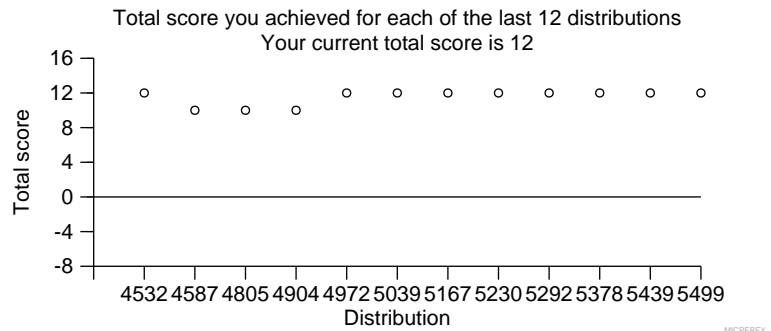
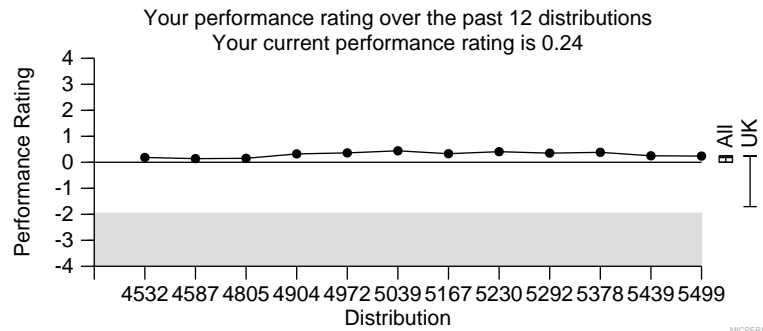
Total number of specimens sent to you for **UK NEQAS for Anti-HBs detection** over the last 3 distributions is 18
For these distributions specimen numbers 7818 7819 7820 7821 7822 7823 8013 8014 8015 8016 8017 8018 8196 8197 8198 8199 8200 8201 have been analysed and scored.

Number of reports scored 18
Number of specimens reported as not examined (not scored) 0
Number of specimens received too late for analysis (not scored) 0
Number of specimens for which no report was received (not scored) 0
Your cumulative score for these specimens was 36 out of a possible total of 36
The mean score calculated from the reports returned by **UK** laboratories was 35.63 with a standard error of 1.54.

Performance rating

Your performance rating for **UK NEQAS for Anti-HBs detection** (i.e. the number of standard errors by which your cumulative score lies above or below the mean for UK laboratories) is 0.24.

A performance rating of more than 1.96 standard errors below the mean indicates possible poor performance.
Your performance rating may change if other participants' results are amended.
No score penalty is incurred for non return of reports. However non return of results may be used as a measure of poor performance.



Comments

Quantitative results are shown for all methods and for the method(s) used by your laboratory. Where participants have reported quantitative absolute values greater than 5000 mIU/mL, we have recorded them as >5000 mIU/mL. Non-numeric values are recorded into fixed categories to simplify presentation. Your results are shown by an arrow(s) where histogram(s) of the results are displayed.

Participants are scored on the qualitative result. Specimens with pre-distribution results between 9 and 11 mIU/mL (CV of 10%) are excluded from scoring. Overall performance was outstanding with 99.4% of participants reporting the intended results for all specimens.
Please see page 4 for more general comments.

Turn around time: The time taken to report your results was 0-days. This information is provided for your own use and does not form part of your performance assessment.

Enquiries: Pre-distribution test results are available should you experience a technical failure and wish to discuss the results. Written enquiries about this distribution should be addressed to Dr Sanjiv Rughooputh at organiser@ukneqasmicro.org.uk. For repeat specimens in case of an EQA failure investigation please request using the web form at <https://ukneqasmicro.org.uk/participant-info/order-repeat-specimens/>.

Acknowledgements: We thank colleagues at UKHSA Manchester, UKHSA Bristol and the UCD National Virus Reference Laboratory for assistance with pre-distribution testing.

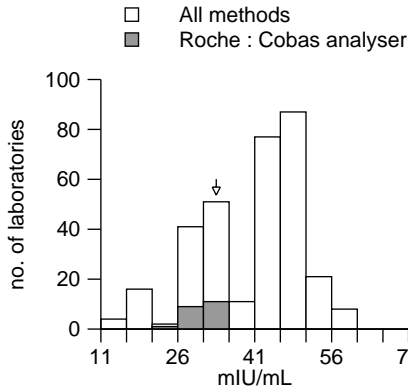
Report authorised by: Dr Sanjiv Rughooputh, Scheme Organiser.



Six specimens derived from thrombinised human plasma (serum) donations were distributed. Specimens 8196,8198, 8199, 8200 and 8201 were all prepared from neat donations. Specimen 8197 was pool of two specimens. All specimens were negative for antibody to hepatitis B core (anti-HBc). Bronidox at a concentration of 0.05% was added as a preservative.

Specimen : 8196 Anti-HBs low level positive (10-100 mIU/mL)

	n (UK)	range	median	5%-95%
All methods	335 (144)	0-68	45	19-54
Abbott : Architect	80 (35)	12-60	48	40-53
Abbott: Alinity	73 (11)	39-53	47	42-52
Beckman : Access	9 (9)	15-21	19	16-20
bioMerieux : Vidas	3 (2)	19-27	21	19-26
DiaSorin : Liaison	27 (15)	42-68	54	45-59
OCD : VITROS	5	15-19	17	15-19
Roche	54 (32)	18-35	32	28-34
Roche : Cobas analyser	22 (9)	26-35	32	28-35
Roche : Elecsys	16 (4)	27-39	32	28-37
Siemens:ADVIA Centaur	16 (9)	42-52	46	44-51
Siemens:Atellica IM	15 (9)	40-48	46	41-48
Unspecified	4 (2)	31-48	38	31-48



Quantitative report :
Your result : 35 mIU/mL
Your method median : 31.5 mIU/mL

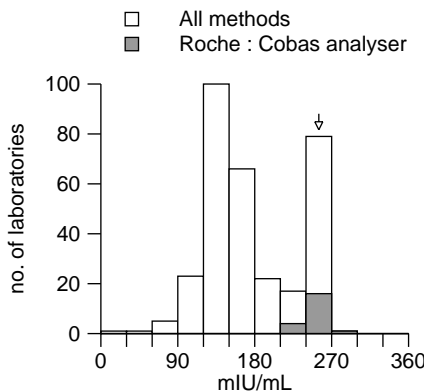
Qualitative report :
Your Report : Anti-HBs low level positive (10-100 mIU/mL)

Your Score : 2

Overall Results	UK	All	Score
Positive	2	5	2
Low level positive	125	319	2
Negative	2	3	-1
Total	129	327	

Specimen : 8197 Anti-HBs positive (>100 mIU/mL)

	n (UK)	range	median	5%-95%
All methods	329 (139)	0-283	156	102-257
Abbott : Architect	79 (34)	67-184	144	119-163
Abbott: Alinity	73 (11)	118-167	146	130-163
Beckman : Access	8 (8)	90-115	103	93-113
DiaSorin : Liaison	26 (14)	142-211	180	153-202
OCD : VITROS	5	90-109	95	91-107
Other	3 (2)	0-254	112	11-240
Roche	52 (31)	230-269	250	239-258
Roche : Cobas analyser	22 (9)	234-283	252	234-268
Roche : Elecsys	17 (5)	229-270	251	233-261
Siemens:ADVIA Centaur	15 (8)	159-228	187	172-224
Siemens:Atellica IM	13 (7)	157-202	172	158-192
Unspecified	4 (2)	138-253	203	141-252



Quantitative report :
Your result : 268 mIU/mL
Your method median : 252.5 mIU/mL

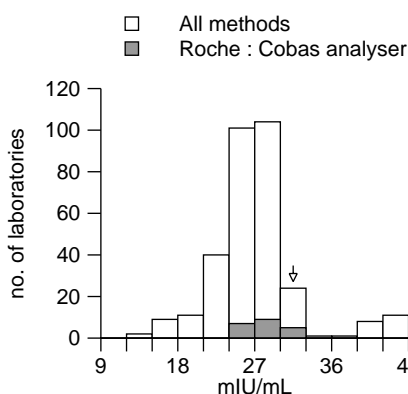
Qualitative report :
Your Report : Anti-HBs positive (>100 mIU/mL)

Your Score : 2

Overall Results	UK	All	Score
Positive	122	309	2
Low level positive	6	16	2
Negative	0	1	-1
Total	128	326	

Specimen : 8198 Anti-HBs low level positive (10-100 mIU/mL)

	n (UK)	range	median	5%-95%
All methods	336 (145)	0-114	27	20-43
Abbott : Architect	80 (35)	4-47	26	22-29
Abbott: Alinity	73 (11)	14-31	26	22-28
Beckman : Access	9 (9)	17-114	21	18-78
bioMerieux : Vidas	3 (2)	22-29	24	22-28
DiaSorin : Liaison	26 (14)	37-49	43	40-49
OCD : VITROS	5	15-17	17	15-17
Roche	54 (32)	16-33	29	25-31
Roche : Cobas analyser	22 (9)	25-33	29	26-32
Roche : Elecsys	17 (5)	27-34	29	28-32
Siemens:ADVIA Centaur	16 (9)	26-32	30	27-32
Siemens:Atellica IM	15 (9)	29-33	31	29-33
Unspecified	4 (2)	22-29	28	23-29



Quantitative report :
Your result : 31 mIU/mL
Your method median : 29.0 mIU/mL

Qualitative report :
Your Report : Anti-HBs low level positive (10-100 mIU/mL)

Your Score : 2

Overall Results	UK	All	Score
Positive	2	4	2
Low level positive	126	321	2
Negative	1	2	-1
Total	129	327	



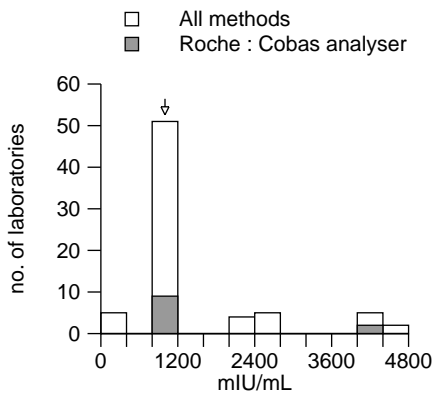
Six specimens derived from thrombinised human plasma (serum) donations were distributed. Specimens 8196,8198, 8199, 8200 and 8201 were all prepared from neat donations. Specimen 8197 was pool of two specimens. All specimens were negative for antibody to hepatitis B core (anti-HBc). Bronidox at a concentration of 0.05% was added as a preservative.

Specimen : 8199 Anti-HBs negative (<10 mIU/mL)

	n (UK)	range	median	5%-95%	Number of reports for non-numeric or off-scale results	Quantitative report :			
All methods	216 (88)	0-103	1	0-3		Your result : 2 mIU/mL Your method median : 2.0 mIU/mL			
Abbott : Architect	73 (31)	0-9	1	0-3	Quantitative result mIU/mL	Qualitative report : Your Report : Anti-HBs negative (<10 mIU/mL) Your Score : 2			
Abbott : Alinity	65 (8)	0-3	1	0-2					
Beckman : Access	8 (8)	0-103	0	0-68	Your method	Overall Results			
bioMerieux : Vidas	2 (2)	5-8			All methods		UK All Score		
DiaSorin : Liaison	1	3-3			<5	9	100		
OCD : VITROS	5	0-1	0	0-1	<10	0	19		
Roche	24 (17)	2-2	2	2-2	>500	0	1		
Roche : Cobas analyser	13 (8)	2-2	2	2-2	>5000	0	4		
Roche : Elecsys	9 (3)	2-2	2	2-2					
Siemens:ADVIA Centaur	2 (2)	0-3							
Siemens:Atellica IM	2 (2)	3-3							
Unspecified	4 (2)	0-2	1	0-2					
							Total		
							129	327	

Specimen : 8200 Anti-HBs positive (>100 mIU/mL)

	n (UK)	range	median	5%-95%	Number of reports for non-numeric or off-scale results	Quantitative report :	
All methods	75 (34)	0-4696	1000	175-4277		Your result : 1000 mIU/mL Your method median : 1000.0 mIU/mL	
Abbott : Architect	12 (4)	232-1001	1000	654-1000	Quantitative result mIU/mL	Qualitative report : Your Report : Anti-HBs low level positive (10-100 mIU/mL) Your Score : 2	
Abbott : Alinity	12 (1)	1000-2576	2294	1000-2549			
Beckman	1 (1)	0-0			Your method	Overall Results	
Beckman : Access	2 (2)	807-842			All methods		UK All Score
BioRad : Monolisa	2 (1)	1000-2344			<5	9	105
OCD : VITROS	2	1000-1000			<10	0	20
Other	2 (1)	0-1049			>5000	0	4
Roche	21 (14)	41-4696	1000	1000-4412			
Roche : Cobas analyser	11 (6)	1000-4243	1000	1000-4206			
Roche : Elecsys	7 (3)	31-4266	1000	322-3286			
Siemens:ADVIA Centaur	2 (1)	1000-2544					
Siemens:Atellica IM	1	1000-1000					



Specimen : 8201 Anti-HBs negative (<10 mIU/mL)

	n (UK)	range	median	5%-95%	Number of reports for non-numeric or off-scale results	Quantitative report :			
All methods	212 (86)	0-8	0	0-2		Your result : 2 mIU/mL Your method median : 2.0 mIU/mL			
Abbott : Architect	71 (31)	0-3	0	0-0	Quantitative result mIU/mL	Qualitative report : Your Report : Anti-HBs negative (<10 mIU/mL) Your Score : 2			
Abbott : Alinity	65 (8)	0-1	0	0-0					
Beckman : Access	8 (8)	0-0	0	0-0	Your method	Overall Results			
BioRad : Monolisa	2 (1)	2-5			All methods		UK All Score		
DiaSorin : Liaison	1	3-3			<5	9	105		
OCD : VITROS	5	0-1	0	0-1	<10	0	20		
Roche	24 (17)	2-2	2	2-2	>5000	0	4		
Roche : Cobas analyser	13 (8)	2-2	2	2-2					
Roche : Elecsys	9 (3)	2-7	2	2-5					
Siemens:ADVIA Centaur	2 (2)	0-3							
Siemens:Atellica IM	1 (1)	3-3							
Unspecified	4 (2)	0-2	1	0-2					
							Total		
							129	327	



Comments on distribution 5499

The overall performance in this distribution was excellent with 99.4% of participants obtaining the intended results for specimens included in this distribution.

The return rate was also excellent. Of the 338 sets of specimens sent out to participants, 327 results were returned, representing a return rate of 96.7%.

Participants who did not obtain the intended results are requested to investigate and report the plausible root cause by completing an incident review form (IRF) online within 30 days of this report being published.

Non return of results without a valid reason is considered as poor performance and should also be reported in a similar manner.

IRFs are taken into considerations when poor performance analysis is carried out for the National Quality Assurance Advisory Panel (NQAAP). IRFs can be completed on the following link: <https://ukneqasmicro.org.uk/incident-review-form/>

If you have any queries please email us: organiser@ukneqasmicro.org.uk.

End of report

