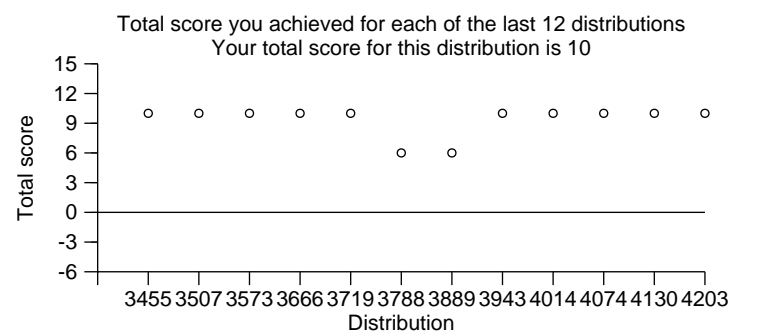
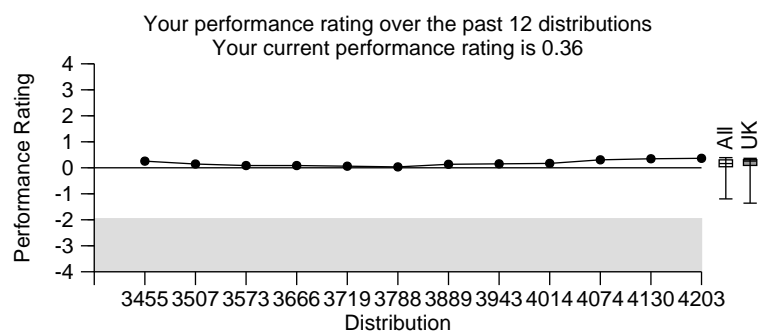


Intended Result	Your Report	Your Score
Qualitative results		
Specimen 4144 HCV RNA positive	HCV RNA positive	2
HCV genotype 2/2b detected	HCV genotype 2/2b detected	2
Specimen 4145 HCV RNA positive	HCV RNA positive	2
HCV genotype 2/2b detected	HCV genotype 2/2b detected	2
Quantitative results		
Specimen 4144 Median concentration 4.18 log IU/mL	4.30 log IU/mL	
Specimen 4145 Median concentration 3.50 log IU/mL	3.60 log IU/mL	
Average of the median differences in conc. between specimens 4144 and 4145 is 0.73 log IU/mL	Difference in conc. is 0.70 log IU/mL	2

Cumulative score information
 Total number of specimens sent to you for **UK NEQAS for Hepatitis C RNA detection** over the last 3 distributions is 6
 For these distributions specimen numbers 3749 3750 3925 3926 4144 4145 have been sent.
 Number of specimens reported too late for analysis (not scored) 0
 Your cumulative score for the specimen/test combinations that you reported was 30 out of a possible total of 30
 The mean score calculated from the reports returned by **UK** laboratories testing the specimen/test combinations you examined was 29.42 (with a standard error of 1.59).

Performance rating
 Your performance rating for **UK NEQAS for Hepatitis C RNA detection** (i.e. the number of standard errors by which your cumulative score lies above or below the mean) for **UK** laboratories is **0.36**.
 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 reporting of results may be used as a measure of poor performance.



Comments:

Qualitative results: A correct result was reported by 100% of participants for specimens 4144 and 4145 respectively. The qualitative aspect of the scheme is aimed at qualitative kits/assays.

Genotype results: Genotype 2/2b was correctly reported by 100% of participants for specimens 4144 and 4145 respectively.

Quantitative results: The overall performance for this specimen pair was excellent with 96.7% of participants reporting difference in concentration to within 0.30 log IU/mL. Two participants reported a result between 0.31-0.50 log IU/mL and one participant reported a result over 0.75 log IU/mL. Three participants reported partial results for the paired specimens.

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 Stuart Whitmore or Elli Elenoglou. For repeat specimens please request using the web form or e-mail organiser@ukneqasmicro.org.uk stating your laboratory identification number, the distribution name, distribution number, specimen number and reason for request.

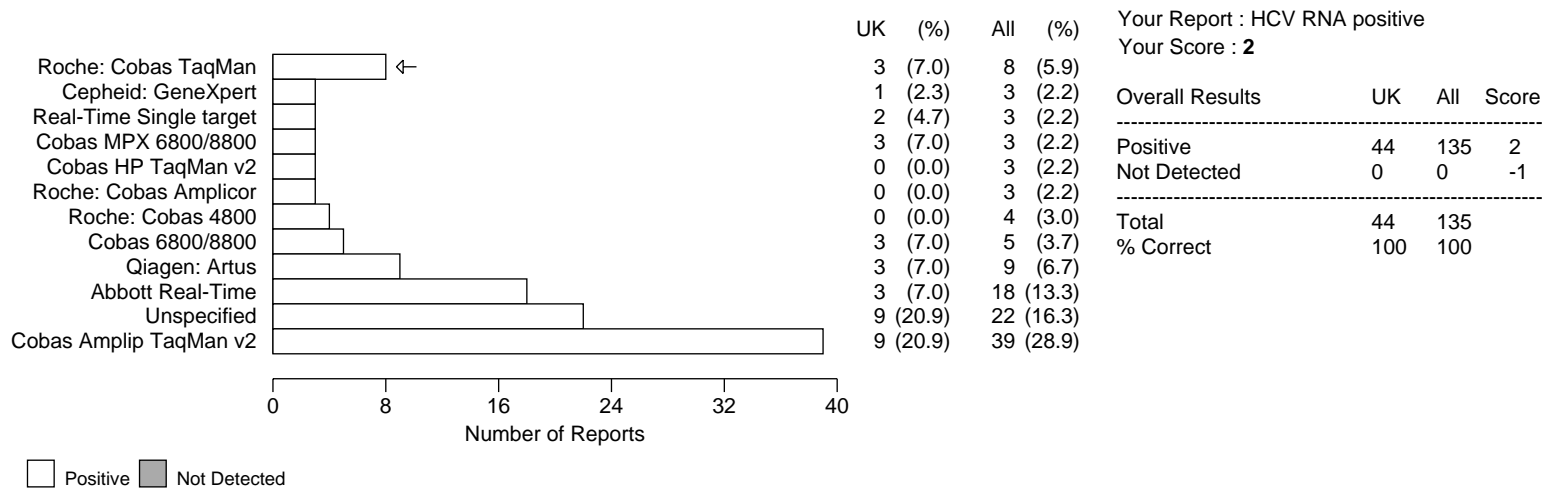
Acknowledgements: We thank colleagues from Royal Free Hospital, London and St Thomas Hospital, London for pre and post distribution testing.

Report authorised by: Dr.Sanjiv Rughooputh, Director

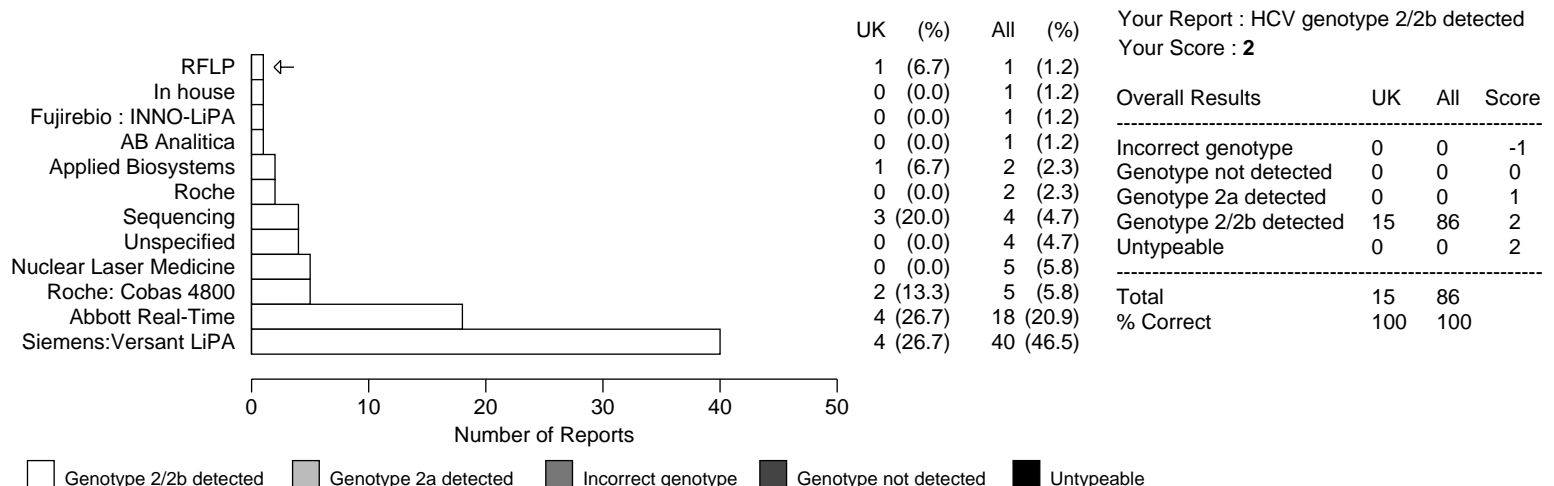


Two freeze-dried plasma specimens were dispatched with a request for the detection, quantification and genotyping of HCV. Specimen 4144 and 4145 consisted of a single donation of HCV RNA positive plasma (genotype 2b) diluted 1:17.9 and 1:94.3 respectively in human plasma negative for HCV RNA.

Specimen : 4144 Qualitative testing: HCV RNA positive

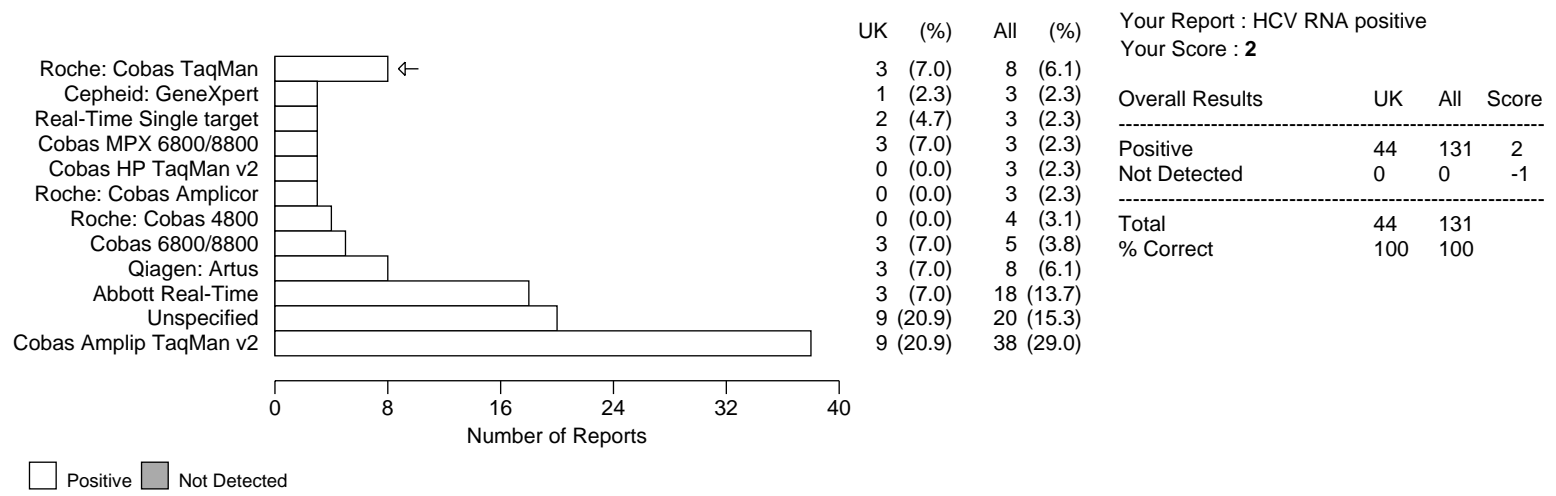


Specimen : 4144 Genotyping: HCV genotype 2b

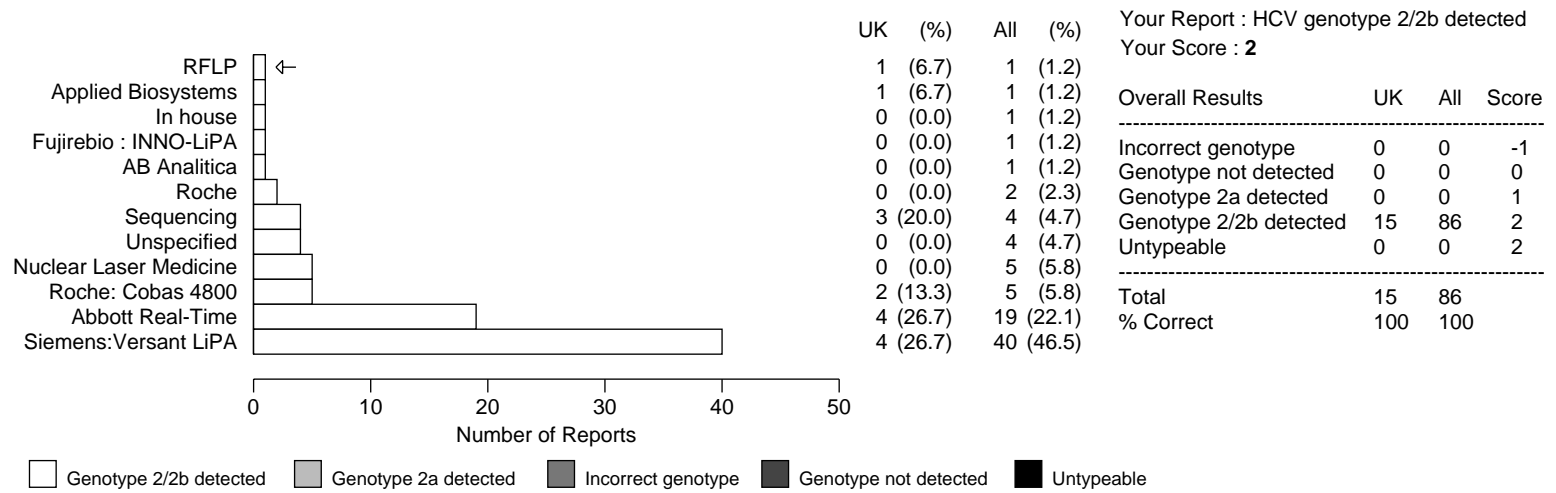


Two freeze-dried plasma specimens were dispatched with a request for the detection, quantification and genotyping of HCV. Specimen 4144 and 4145 consisted of a single donation of HCV RNA positive plasma (genotype 2b) diluted 1:17.9 and 1:94.3 respectively in human plasma negative for HCV RNA.

Specimen : 4145 Qualitative testing: HCV RNA positive



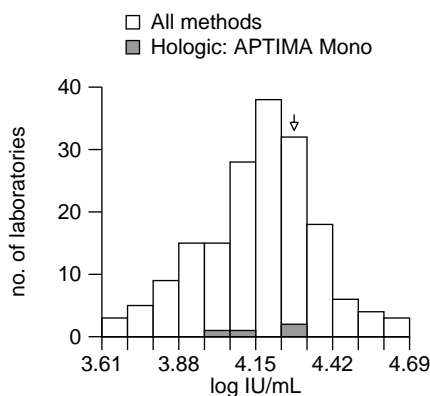
Specimen : 4145 Genotyping: HCV genotype 2b



Two freeze-dried plasma specimens were dispatched with a request for the detection, quantification and genotyping of HCV. Specimen 4144 and 4145 consisted of a single donation of HCV RNA positive plasma (genotype 2b) diluted 1:17.9 and 1:94.3 respectively in human plasma negative for HCV RNA.

Specimen : 4144

	n (UK)	range	median	5%-95%
All methods	180 (52)	3.06-4.67	4.18	3.76-4.46
Abbott Real-Time	39 (14)	3.73-4.36	4.08	3.81-4.30
Beckman: DxN VERIS	2 (1)	4.07-4.22		
Cepheid: GeneXpert	14 (7)	3.53-4.01	3.89	3.67-3.99
Cobas 6800/8800	8 (2)	4.29-4.54	4.35	4.30-4.51
Cobas Amplip TaqMan v2	67 (13)	4.00-4.65	4.24	4.08-4.45
Cobas HP TaqMan v2	5	3.93-4.41	4.21	3.96-4.40
Hologic: APTIMA Mono	4 (3)	4.06-4.30	4.19	4.07-4.30
Qiagen: Artus	9 (3)	3.32-4.13	3.83	3.41-4.13
Real-Time Multiplex	2	3.62-4.16		
Roche: Cobas 4800	9 (2)	4.18-4.67	4.53	4.27-4.65
Roche: Cobas TaqMan	9 (2)	3.94-4.39	4.20	4.00-4.34
Siemens: kPCR	5	3.06-3.88	3.66	3.18-3.88



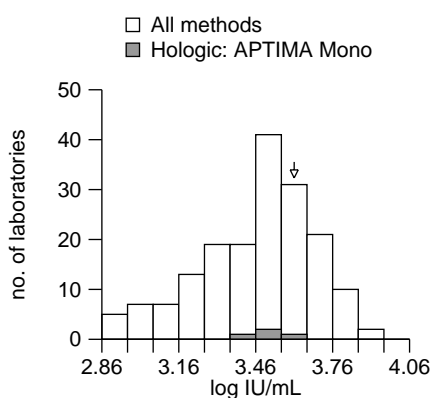
Your result :
4.30 log IU/mL

Method median concentration :
4.19 log IU/mL

Median concentration :
4.18 log IU/mL

Specimen : 4145

	n (UK)	range	median	5%-95%
All methods	179 (53)	2.04-3.87	3.50	2.96-3.79
Abbott Real-Time	40 (15)	3.02-3.70	3.37	3.17-3.57
Beckman: DxN VERIS	2 (1)	3.52-3.53		
Cepheid: GeneXpert	12 (7)	2.04-3.30	3.07	2.54-3.26
Cobas 6800/8800	8 (2)	3.43-3.81	3.58	3.45-3.77
Cobas Amplip TaqMan v2	67 (13)	3.25-3.87	3.60	3.42-3.79
Cobas HP TaqMan v2	5	3.23-3.63	3.43	3.24-3.61
Hologic: APTIMA Mono	4 (3)	3.44-3.60	3.50	3.45-3.59
Qiagen: Artus	9 (3)	2.80-3.32	3.06	2.85-3.30
Real-Time Multiplex	2	2.40-3.31		
Roche: Cobas 4800	9 (2)	3.41-3.86	3.68	3.47-3.86
Roche: Cobas TaqMan	9 (2)	3.36-3.74	3.55	3.41-3.74
Siemens: kPCR	5	2.74-3.14	3.01	2.78-3.14



Your result :
3.60 log IU/mL

Method median concentration :
3.50 log IU/mL

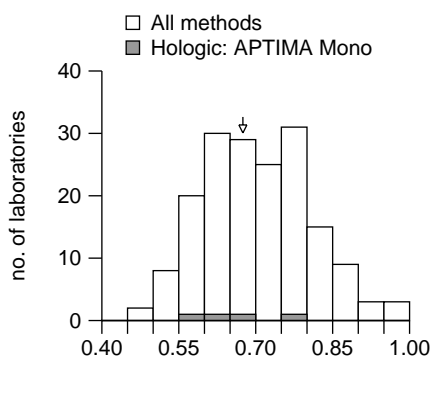
Median concentration :
3.50 log IU/mL

Intended result : 0.43 to 1.03 log IU/mL

(average median of the reported differences in concentration between specimen 4144 and 4145 +/- 0.3 log IU/mL, with an uncertainty of 0.013)

Difference in concentration between specimen 4144 and 4145 expressed in log IU/mL :

	n (UK)	range	av. median	5%-95%
All methods	178 (52)	0.33-1.79	0.73	0.55-0.89
Abbott Real-Time	39 (14)	0.60-0.88	0.72	0.63-0.81
Beckman: DxN VERIS	2 (1)	0.55-0.69		
Cepheid: GeneXpert	12 (7)	0.50-1.79	0.79	0.57-1.31
Cobas 6800/8800	8 (2)	0.61-0.91	0.79	0.61-0.90
Cobas Amplip TaqMan v2	67 (13)	0.50-0.96	0.64	0.54-0.86
Cobas HP TaqMan v2	5	0.71-0.79	0.78	0.72-0.79
Hologic: APTIMA Mono	4 (3)	0.60-0.79	0.66	0.60-0.78
Qiagen: Artus	9 (3)	0.49-0.88	0.77	0.50-0.86
Real-Time Multiplex	2	0.85-1.23		
Roche: Cobas 4800	9 (2)	0.67-0.99	0.81	0.69-0.95
Roche: Cobas TaqMan	9 (2)	0.51-0.67	0.62	0.53-0.66
Siemens: kPCR	5	0.33-0.75	0.70	0.39-0.75



Your result :
Difference in conc. is 0.70 log IU/mL

Your score : 2

Overall results	UK	All	Score
Median			
+/- 0.3 log	51	175	2
+/- >0.3 to 0.5 log	0	2	1
+/- >0.5 to 0.75 log	0	0	0
+/- >0.75 log	1	1	-1
Partial result	0	3	1
Total	52	181	
%Correct	98.1	96.7	

