

# Individual Report

# QCMD 2020 Hepatitis C Virus RNA EQA Programme



<b>Catalogue Code:</b> QAV994112	<b>Ref Code:</b> HCVRNA20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative and Quantitative	<b>Dataset:</b> -	<b>Report UID:</b> -/-/2972	<b>Laboratory:</b> -
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**NOTE:** Summary information only.

## Intended Results / Panel Composition

Sample Code	Sample Content	Matrix	Sample Relationships [1]	Detection Frequency [2]	Sample Status [3]	Consensus (IU/ml) [4]		Consensus (Copies/ml) [5]	
						(Log <sub>10</sub> )	(n)	(Log <sub>10</sub> )	(n)
HCVRNA101S-01	HCV Type 3a	Plasma	DS1_1	Frequently Detected	CORE	3.304	105	N/A	3
HCVRNA101S-02	HCV Type 3a	Plasma	DS1_2	Frequently Detected	CORE	2.313	103	N/A	3
HCVRNA101S-03	HCV Type 1b	Plasma	D1	Frequently Detected	CORE	2.860	106	N/A	3
HCVRNA101S-04	HCV Type 1b	Plasma	D1	Frequently Detected	CORE	2.837	105	N/A	3
HCVRNA101S-05	HCV Negative	Plasma		Negative	CORE	N/A	N/A	N/A	N/A
HCVRNA101S-06	HCV Type 1b	Plasma		Frequently Detected	CORE	3.850	106	N/A	3
HCVRNA101S-07	HCV Type 1b	Plasma		Frequently Detected	CORE	3.373	106	N/A	3
HCVRNA101S-08	HCV Type 1b	Plasma		Frequently Detected	CORE	1.788	99	N/A	3

[1] **Sample Relationships:** Indicates the relationships of the samples within this challenge. The highest titre member of dilution series DS1 is indicated by DS1\_1 and further members of the series as DS1\_2, DS1\_3 etc. in order of reducing titre. Additional dilution series are indicated by DS2 (e.g. DS2\_1, DS2\_2 etc.), DS3 (e.g. DS3\_1, DS3\_2 etc.). If one duplicate pair is present this is indicated by 'D1'. Further duplicate pairs are indicated by 'D2', 'D3' etc.

[2] **Detection Frequency:** To aid qualitative analysis each panel member is assigned a frequency of detection. This is based on the peer group consensus of all qualitative results returned from participants within the EQA challenge / distribution.

[3] **Sample Status:** EQA samples are defined as "CORE" or "EDUCATIONAL". Core proficiency samples are reviewed by the QCMD Scientific Expert(s). This is on the basis of scientific information, clinical relevance, current literature and, where appropriate, professional clinical guidelines. Participating laboratories are expected to report core proficiency samples correctly within the EQA challenge / distribution.

[4] **Consensus (IU/ml):** Mean consensus (Log<sub>10</sub>) calculated from data returned by participants with outliers removed and number of quantitative results (n) returned for each panel member.

[5] **Consensus (Copies/ml):** Mean consensus (Log<sub>10</sub>) calculated from data returned by participants with outliers removed and number of quantitative results (n) returned for each panel member.

**For further details please refer to the current participant manual.**

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**Your Summary Results**

<b>Units</b>	N/A
<b>EQA Assessment Group</b> <sup>[1]</sup>	N/A
<b>Core Panel Detection (Qualitative) Score</b> <sup>[2]</sup>	N/A
<b>Core Panel Estimation (Quantitative) Score</b> <sup>[3]</sup>	N/A

**Core Panel Members Results**

Sample Code	Unitage	EQA Assessment Group Consensus <sup>[4]</sup>	SD <sup>[5]</sup>	Quantitative Result		Qualitative Result		
				Your Result <sup>[6]</sup>	Estimation Score <sup>[7]</sup>	Percentage Correct (All) <sup>[8]</sup>	Your Result <sup>[9]</sup>	Detection Score <sup>[10]</sup>
HCVRNA101S-01	N/A	-	-	-	-	-	-	-
HCVRNA101S-02	N/A	-	-	-	-	-	-	-
HCVRNA101S-03	N/A	-	-	-	-	-	-	-
HCVRNA101S-04	N/A	-	-	-	-	-	-	-
HCVRNA101S-05	N/A	-	-	-	-	-	-	-
HCVRNA101S-06	N/A	-	-	-	-	-	-	-
HCVRNA101S-07	N/A	-	-	-	-	-	-	-
HCVRNA101S-08	N/A	-	-	-	-	-	-	-

<b>Individual Report</b>		<b>QCMD 2020 Hepatitis C Virus RNA EQA Programme</b>			 <b>QCMD</b> <small>Quality Control for Molecular Diagnostics</small>	
<b>Catalogue Code:</b> QAV994112	<b>Ref Code:</b> HCVRNA20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative and Quantitative	<b>Dataset:</b> -	<b>Report UID:</b> -/-/2972	<b>Laboratory</b> -

[1] **EQA Assessment Group:** To aid data analysis, participant results are grouped according to the molecular amplification/detection method specified within their molecular workflow for this challenge / distribution. For further details refer to the *Additional Information: Individual Panel Member Analysis* section of this report.

[2] **Core Panel Detection (Qualitative) Score:** An overall core panel detection score provided per challenge / distribution.

[3] **Core Panel Estimation (Quantitative) Score:** An overall core panel estimation score provided per challenge / distribution.

[4] **EQA Assessment Group Consensus:** The mean value for all results within your EQA assessment group.

[5] **SD:** The standard deviation for results from your EQA assessment group.

[6] **Your Quantitative Result:** The quantitative result you returned for each sample within this EQA challenge. LOD/NR (limit of detection or not reported).


[7] **Estimation Score:** Your estimation (quantitative) scores are calculated based on your variation from the consensus for your EQA assessment group. With 0 (zero) scored if the quantitative value you reported is within one standard deviation (SD) from your EQA assessment group consensus, 1 (one) if your quantitative value is between one and two SDs, 2 (two) if your quantitative value is within two and three SDs and 3 (three) if your quantitative value is more than three SDs from the mean of your EQA assessment group.

[8] **Percentage Correct (All):** Percentage of datasets (%) reporting the correct qualitative results for each panel member.

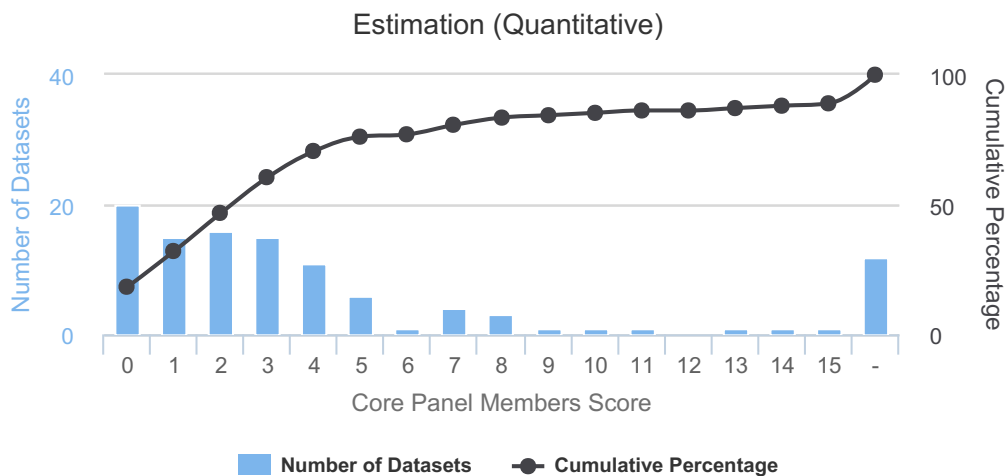
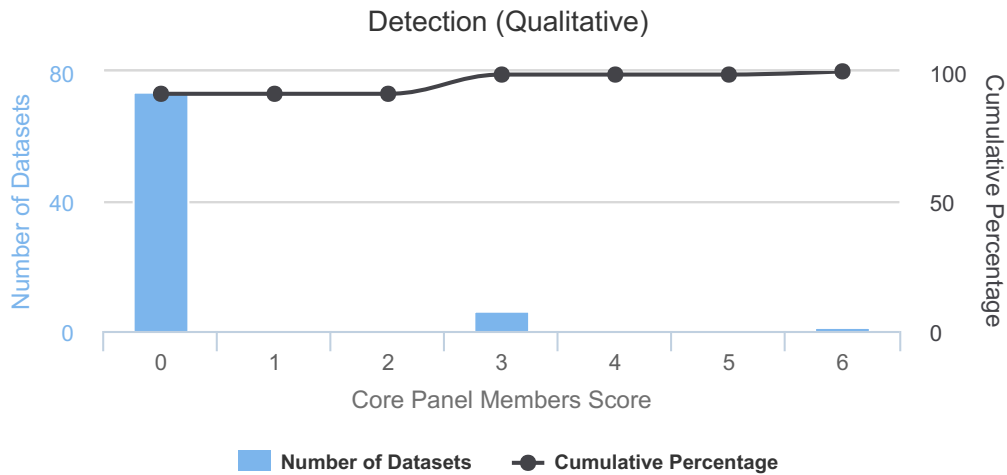
[9] **Your Qualitative Result:** The qualitative result you reported for each sample within this EQA challenge / distribution.

[10] **Detection Score:** Your detection (qualitative) scores are based on the assigned detection frequency of each panel members, where 0 (zero) is "highly satisfactory" and 3 (three) is "highly unsatisfactory". Scores are provided for individual panel members.

**For further details please refer to the current participant manual.**


<b>Individual Report</b>		<b>QCMD 2020 Hepatitis C Virus RNA EQA Programme</b>			 Quality Control for Molecular Diagnostics	
<b>Catalogue Code:</b> QAV994112	<b>Ref Code:</b> HCVRNA20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative and Quantitative	<b>Dataset:</b> -	<b>Report UID:</b> -/-/2972	<b>Laboratory:</b> -

### Core Panel Member Score Breakdown



**Core Panel Member Score Breakdown - Detection:** This figure gives you a breakdown of the qualitative detection scores for all qualitative datasets returned within this EQA challenge / distribution independent of the EQA assessment group. Panel detection scores are generated from only those panel members that are defined as "CORE".

**Core Panel Member Score Breakdown - Estimation:** This figure gives you a breakdown of the quantitative estimation scores for all quantitative datasets returned within this EQA challenge / distribution independent of the EQA assessment group. Panel estimation scores are based on positive core panel members only. Those datasets that did not return quantitative values for all core samples are represented by '-'.  
***For further details please refer to the current participant manual.***

<b>Individual Report</b>		<b>QCMD 2020 Hepatitis C Virus RNA EQA Programme</b>			 <b>QCMD</b> <small>Quality Control for Molecular Diagnostics</small>	
<b>Catalogue Code:</b> QAV994112	<b>Ref Code:</b> HCVRNA20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative and Quantitative	<b>Dataset:</b> -	<b>Report UID:</b> -/-/2972	<b>Laboratory</b> -

### Further Programme Details

Number of Participants	133
Number of Countries	34
Number of Respondents	115
Number of Datasets Submitted	121
Quantitative Results Returned (All)	109 (90.1%)
- Quantitative Results Returned (IU/ml)	106 (97.2%)
- Quantitative Results Returned (Copies/ml)	3 (2.8%)
Qualitative Results Returned	81 (66.9%)

### EQA Programme Aims


To assess the proficiency of laboratories in the detection and quantitation of hepatitis C virus (HCV) RNA.

To assess the proficiency of laboratories in the detection and quantitation of different HCV genotypes.

### Feedback and Enquiries

Participants are encouraged to read the QCMD Participants' Manual, which can be downloaded from the QCMD website.

Any enquiries should be submitted through the 'Contact Us' form that you can find in the 'Help' section of your QCMD (ITEMS) Participant Profile Area.

<b>Individual Report</b>		<b>QCMD 2020 Hepatitis C Virus RNA EQA Programme</b>			 <small>Quality Control for Molecular Diagnostics</small>	
<b>Catalogue Code:</b> QAV994112	<b>Ref Code:</b> HCVRNA20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative and Quantitative	<b>Dataset:</b> -	<b>Report UID:</b> -/-/2972	<b>Laboratory:</b> -

Panel member analysis is separated into CORE samples followed by EDUCATIONAL samples.

### Additional Core Samples Information

The following section has been categorised as shown below:

Core ► Quantitative ► IU/ml ► Qualitative

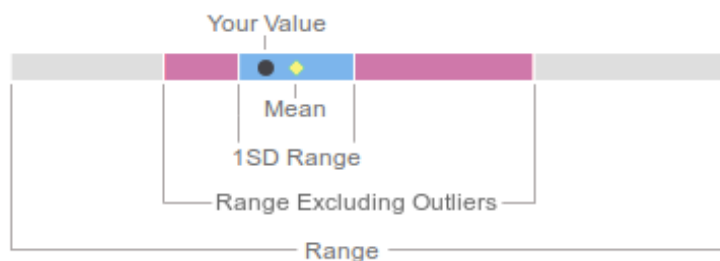
### Individual Panel Member Analysis (Quantitative)

Quantitative analysis for each panel member is provided in relation to your EQA assessment group. EQA assessment groups are established using the molecular workflow information reported by all participants within this EQA challenge / distribution. The principal level of assessment is at the individual method level which is defined based on your reported “amplification/detection method” and other laboratories using the same or similar amplification/detection methods.

To allow meaningful assessment at the individual method level the EQA assessment group must consist of 5 or more datasets. If there are not sufficient datasets at the individual method level then your results will be included within a higher EQA assessment group based on whether it is a commercial or in house technology/method. The highest level assessment grouping is all reported results using the same unit of measurement (i.e. Copies/ml or IU/ml).

The results below provide a breakdown of participant reported values on each of the panel members within this EQA challenge / distribution. Your result for each panel member is indicated by "your value". You can compare your value to the “mean” within your EQA assessment group and the overall consensus for each sample within this EQA challenge / distribution.

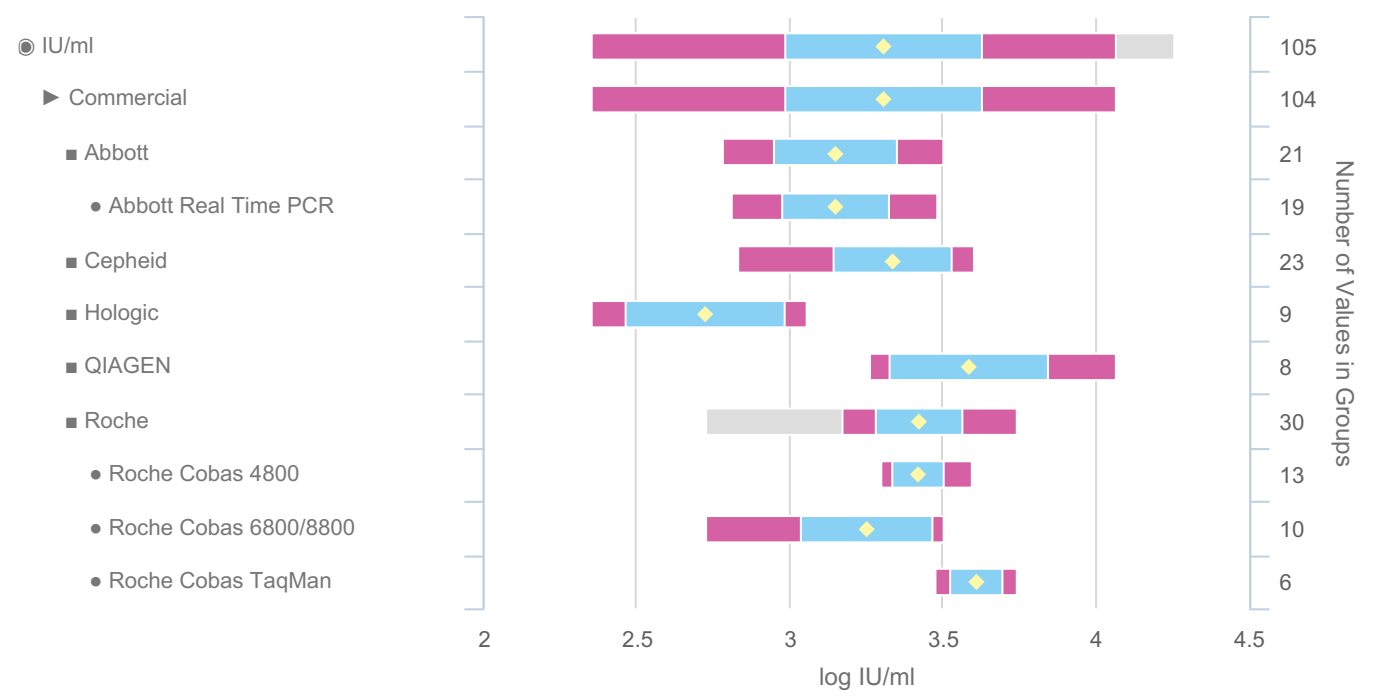
#### Key



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**HCVRNA101S-01 - Quantitative Results Breakdown (IU/ml)**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (IU/ml)		Range
						(Log <sub>10</sub> )	(n)	
HCVRNA101S-01	HCV Type 3a	Plasma	DS1_1	Frequently Detected	CORE	3.304	105	2.350 - 4.255

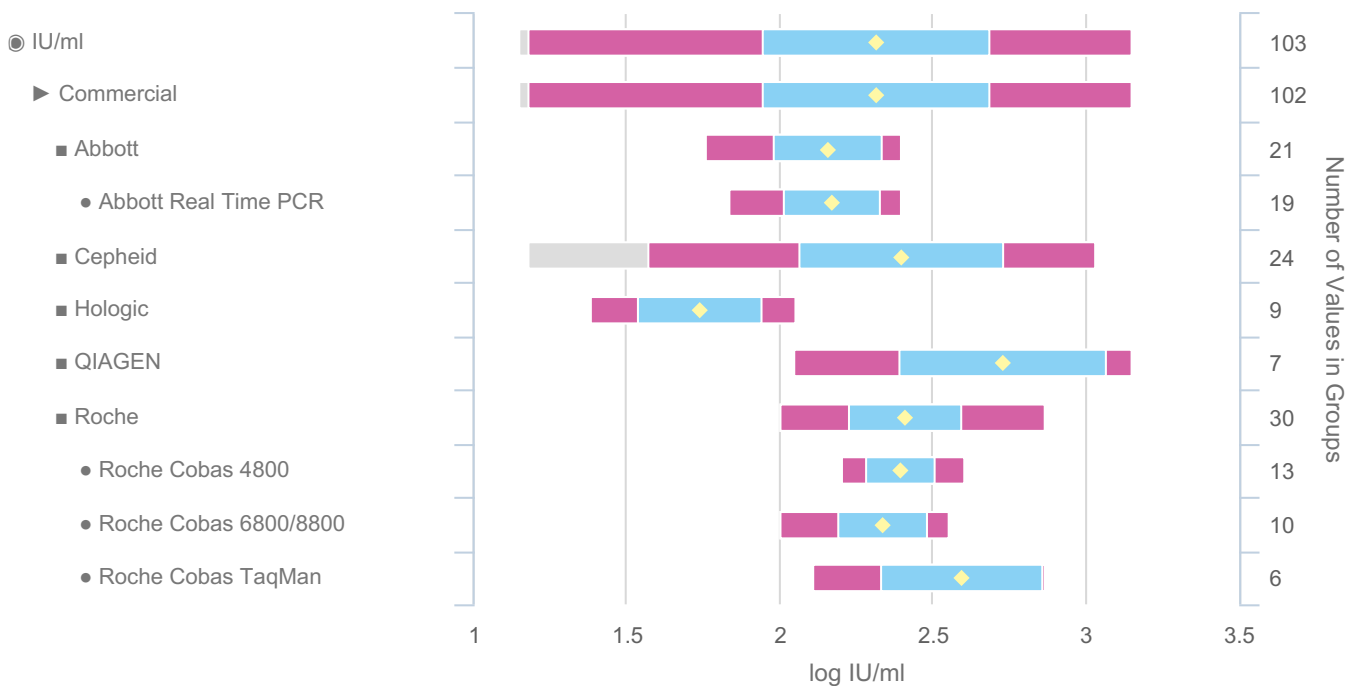


**Groups below n=5:** Abbott - Abbott Alinity m (n=2), Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics RealStar (n=1), Anatolia Geneworks (n=4), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=4), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), GeneProof (n=2), GeneProof - GeneProof Real Time PCR kit (n=2), InterLabService (n=1), InterLabService - InterLabService AmpliSens (n=1), Iontek (n=1), Iontek - Iontek Fluorion (n=1), RoboGene (n=1), RoboGene - RoboGene Real Time PCR (n=1), Roche - Roche Cobas Ampliscreen (n=1), Sacace (n=2), Sacace - Sacace Real TM (n=2), In-House (n=1), In-House - Real-time In-House PCR (n=1)

**Groups Rolled Up:** Cepheid - Cepheid Xpert kit (n=23), Hologic - Hologic Aptima (n=9), QIAGEN - QIAGEN Artus Real Time (n=8)


**HCVRNA101S-02 - Quantitative Results Breakdown (IU/ml)**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (IU/ml)		Range
						(Log <sub>10</sub> )	(n)	
HCVRNA101S-02	HCV Type 3a	Plasma	DS1_2	Frequently Detected	CORE	2.313	103	1.146 - 3.148



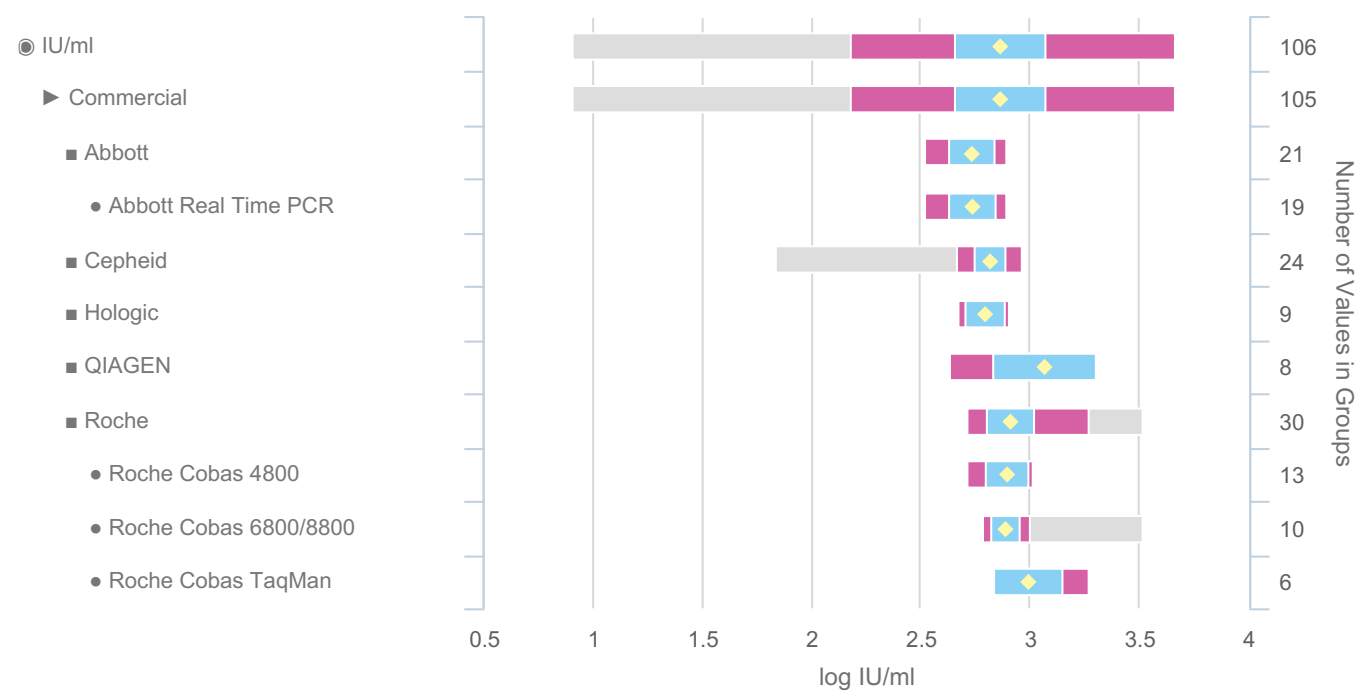
**Groups below n=5:** Abbott - Abbott Alinity m (n=2), Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics RealStar (n=1), Anatolia Geneworks (n=4), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=4), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), GeneProof (n=1), GeneProof - GeneProof Real Time PCR kit (n=1), Iontek (n=1), Iontek - Iontek Fluorion (n=1), RoboGene (n=1), RoboGene - RoboGene Real Time PCR (n=1), Roche - Roche Cobas Ampliscreen (n=1), Sacace (n=2), Sacace - Sacace Real TM (n=2), In-House (n=1), In-House - Real-time In-House PCR (n=1)

**Groups Rolled Up:** Cepheid - Cepheid Xpert kit (n=24), Hologic - Hologic Aptima (n=9), QIAGEN - QIAGEN Artus Real Time (n=7)

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**HCVRNA101S-03 - Quantitative Results Breakdown (IU/ml)**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (IU/ml)		Range
						(Log <sub>10</sub> )	(n)	
HCVRNA101S-03	HCV Type 1b	Plasma	D1	Frequently Detected	CORE	2.860	106	0.903 - 3.660



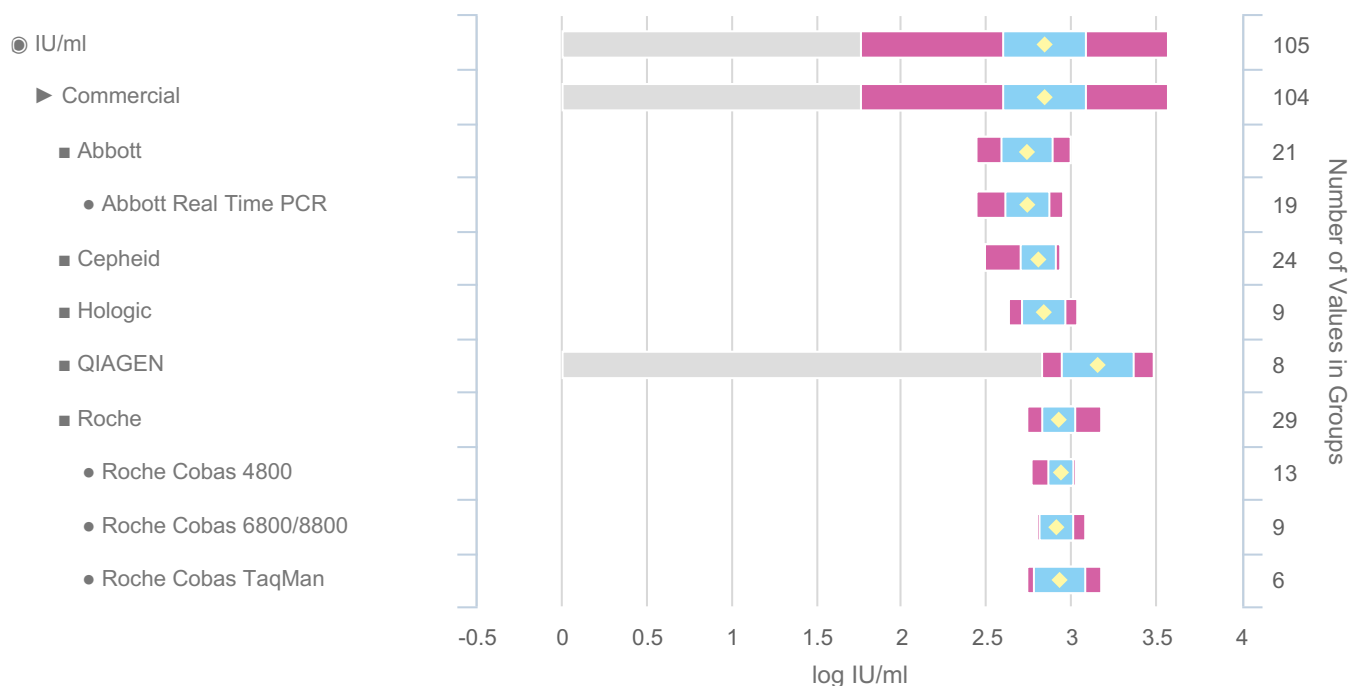
**Groups below n=5:** Abbott - Abbott Alinity m (n=2), Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics RealStar (n=1), Anatolia Geneworks (n=4), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=4), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), GeneProof (n=2), GeneProof - GeneProof Real Time PCR kit (n=2), InterLabService (n=1), InterLabService - InterLabService AmpliSens (n=1), Iontek (n=1), Iontek - Iontek Fluorion (n=1), RoboGene (n=1), RoboGene - RoboGene Real Time PCR (n=1), Roche - Roche Cobas Ampliscreen (n=1), Sacace (n=2), Sacace - Sacace Real TM (n=2), In-House (n=1), In-House - Real-time In-House PCR (n=1)

**Groups Rolled Up:** Cepheid - Cepheid Xpert kit (n=24), Hologic - Hologic Aptima (n=9), QIAGEN - QIAGEN Artus Real Time (n=8)

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**HCVRNA101S-04 - Quantitative Results Breakdown (IU/ml)**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (IU/ml)		Range
						(Log <sub>10</sub> )	(n)	
HCVRNA101S-04	HCV Type 1b	Plasma	D1	Frequently Detected	CORE	2.837	105	0.000 - 3.563



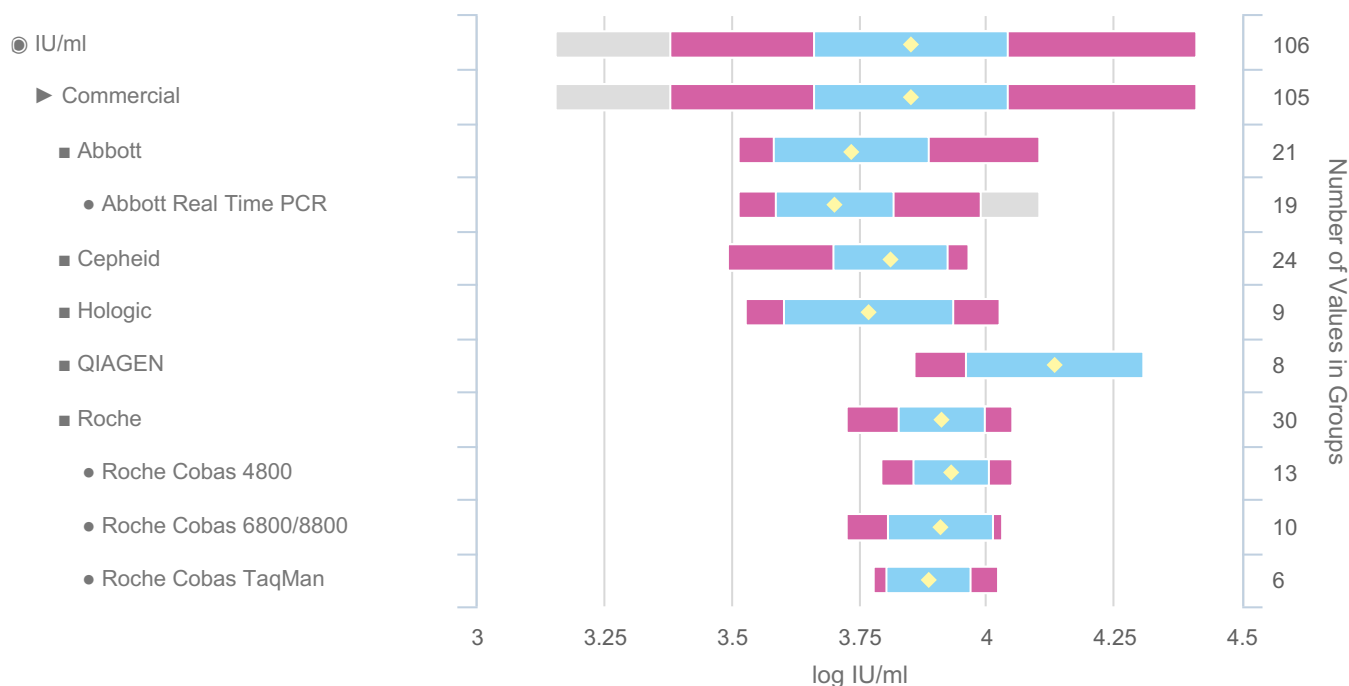
**Groups below n=5:** Abbott - Abbott Alinity m (n=2), Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics RealStar (n=1), Anatolia Geneworks (n=4), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=4), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), GeneProof (n=2), GeneProof - GeneProof Real Time PCR kit (n=2), InterLabService (n=1), InterLabService - InterLabService AmpliSens (n=1), Iontek (n=1), Iontek - Iontek Fluorion (n=1), RoboGene (n=1), RoboGene - RoboGene Real Time PCR (n=1), Roche - Roche Cobas Ampliscreen (n=1), Sacace (n=2), Sacace - Sacace Real TM (n=2), In-House (n=1), In-House - Real-time In-House PCR (n=1)

**Groups Rolled Up:** Cepheid - Cepheid Xpert kit (n=24), Hologic - Hologic Aptima (n=9), QIAGEN - QIAGEN Artus Real Time (n=8)

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**HCVRNA101S-06 - Quantitative Results Breakdown (IU/ml)**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (IU/ml)		Range
						(Log <sub>10</sub> )	(n)	
HCVRNA101S-06	HCV Type 1b	Plasma		Frequently Detected	CORE	3.850	106	3.153 - 4.410



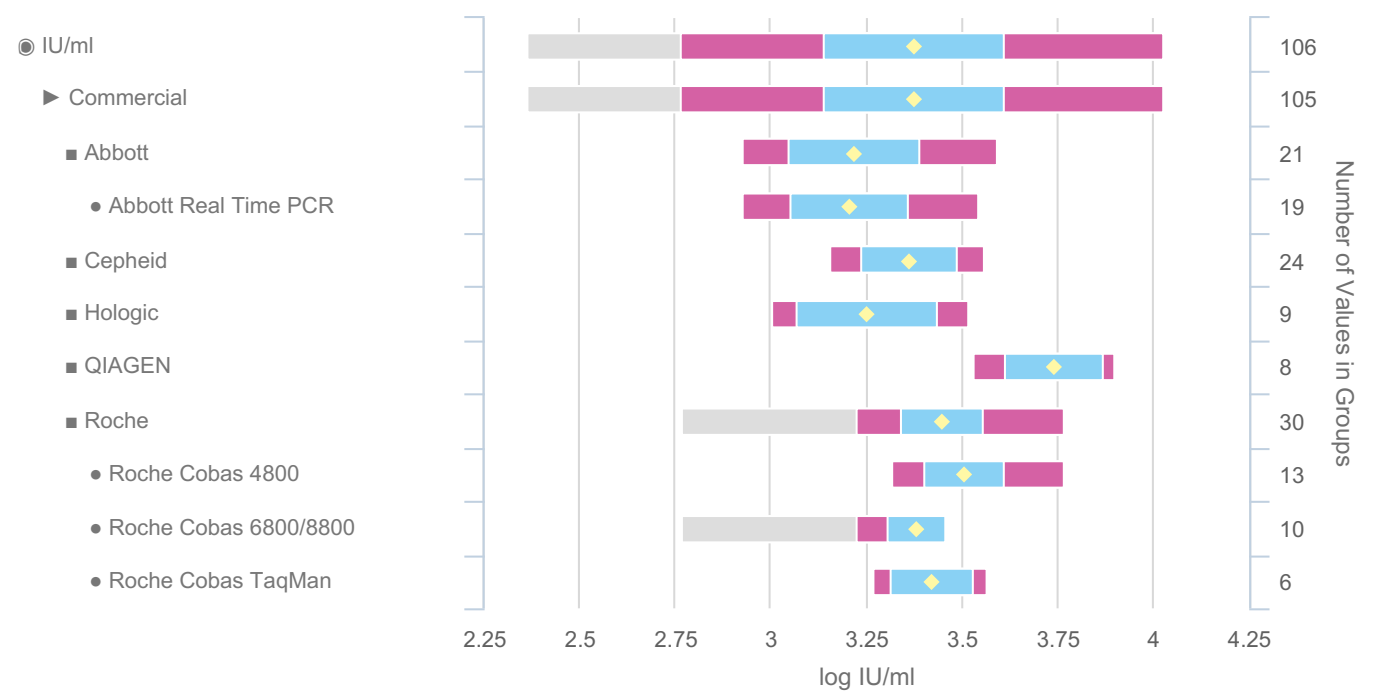
**Groups below n=5:** Abbott - Abbott Alinity m (n=2), Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics RealStar (n=1), Anatolia Geneworks (n=4), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=4), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), GeneProof (n=2), GeneProof - GeneProof Real Time PCR kit (n=2), InterLabService (n=1), InterLabService - InterLabService AmpliSens (n=1), Iontek (n=1), Iontek - Iontek Fluorion (n=1), RoboGene (n=1), RoboGene - RoboGene Real Time PCR (n=1), Roche - Roche Cobas Ampliscreen (n=1), Sacace (n=2), Sacace - Sacace Real TM (n=2), In-House (n=1), In-House - Real-time In-House PCR (n=1)

**Groups Rolled Up:** Cepheid - Cepheid Xpert kit (n=24), Hologic - Hologic Aptima (n=9), QIAGEN - QIAGEN Artus Real Time (n=8)

<b>Catalogue Code:</b> QAV994112	<b>Ref Code:</b> HCVRNA20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative and Quantitative	<b>Dataset:</b> -	<b>Report UID:</b> -/-/2972	<b>Laboratory:</b> -
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**HCVRNA101S-07 - Quantitative Results Breakdown (IU/ml)**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (IU/ml)		Range
						(Log <sub>10</sub> )	(n)	
HCVRNA101S-07	HCV Type 1b	Plasma		Frequently Detected	CORE	3.373	106	2.362 - 4.025



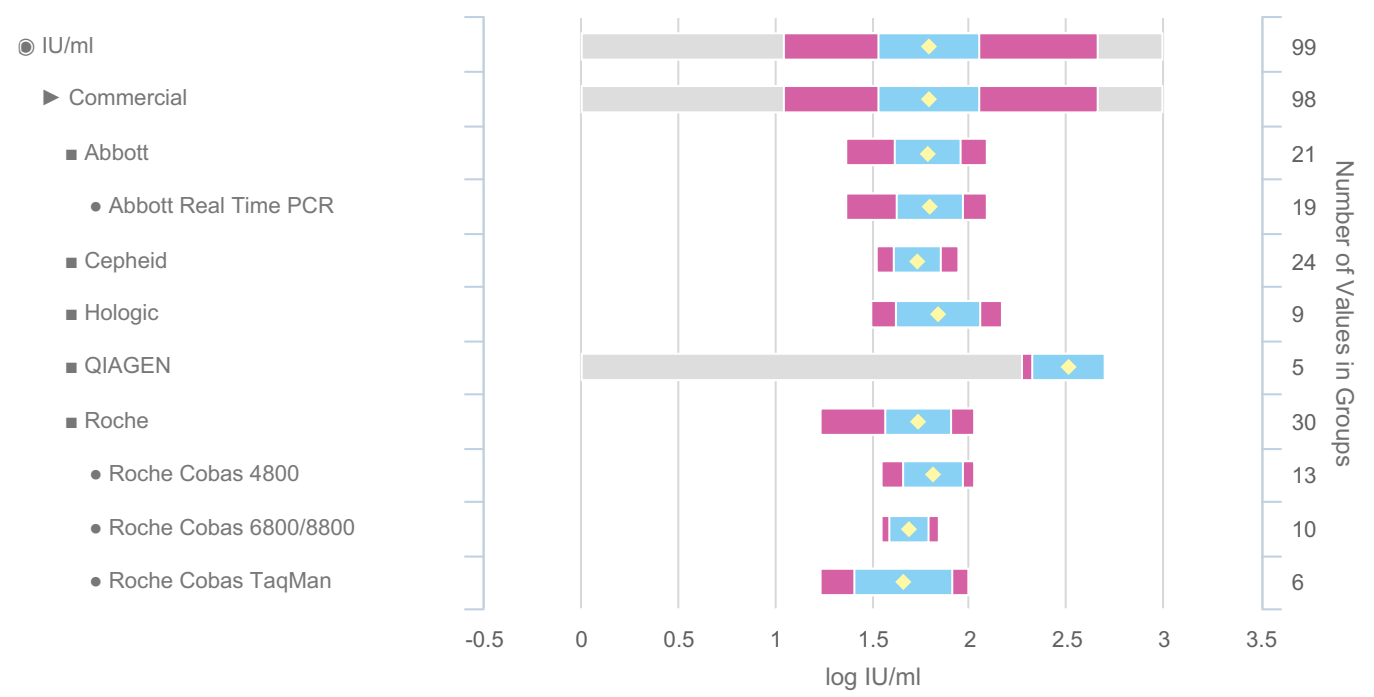
**Groups below n=5:** Abbott - Abbott Alinity m (n=2), Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics RealStar (n=1), Anatolia Geneworks (n=4), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=4), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), GeneProof (n=2), GeneProof - GeneProof Real Time PCR kit (n=2), InterLabService (n=1), InterLabService - InterLabService AmpliSens (n=1), Iontek (n=1), Iontek - Iontek Fluorion (n=1), RoboGene (n=1), RoboGene - RoboGene Real Time PCR (n=1), Roche - Roche Cobas Ampliscreen (n=1), Sacace (n=2), Sacace - Sacace Real TM (n=2), In-House (n=1), In-House - Real-time In-House PCR (n=1)

**Groups Rolled Up:** Cepheid - Cepheid Xpert kit (n=24), Hologic - Hologic Aptima (n=9), QIAGEN - QIAGEN Artus Real Time (n=8)

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**HCVRNA101S-08 - Quantitative Results Breakdown (IU/ml)**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (IU/ml)		Range
						(Log <sub>10</sub> )	(n)	
HCVRNA101S-08	HCV Type 1b	Plasma		Frequently Detected	CORE	1.788	99	0.000 - 2.990



**Groups below n=5:** Abbott - Abbott Alinity m (n=2), Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics RealStar (n=1), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), GeneProof (n=1), GeneProof - GeneProof Real Time PCR kit (n=1), Iontek (n=1), Iontek - Iontek Fluorion (n=1), RoboGene (n=1), RoboGene - RoboGene Real Time PCR (n=1), Roche - Roche Cobas Ampliscreen (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), In-House (n=1), In-House - Real-time In-House PCR (n=1)

**Groups Rolled Up:** Cepheid - Cepheid Xpert kit (n=24), Hologic - Hologic Aptima (n=9), QIAGEN - QIAGEN Artus Real Time (n=5)

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### Individual Panel Member Analysis (Qualitative)

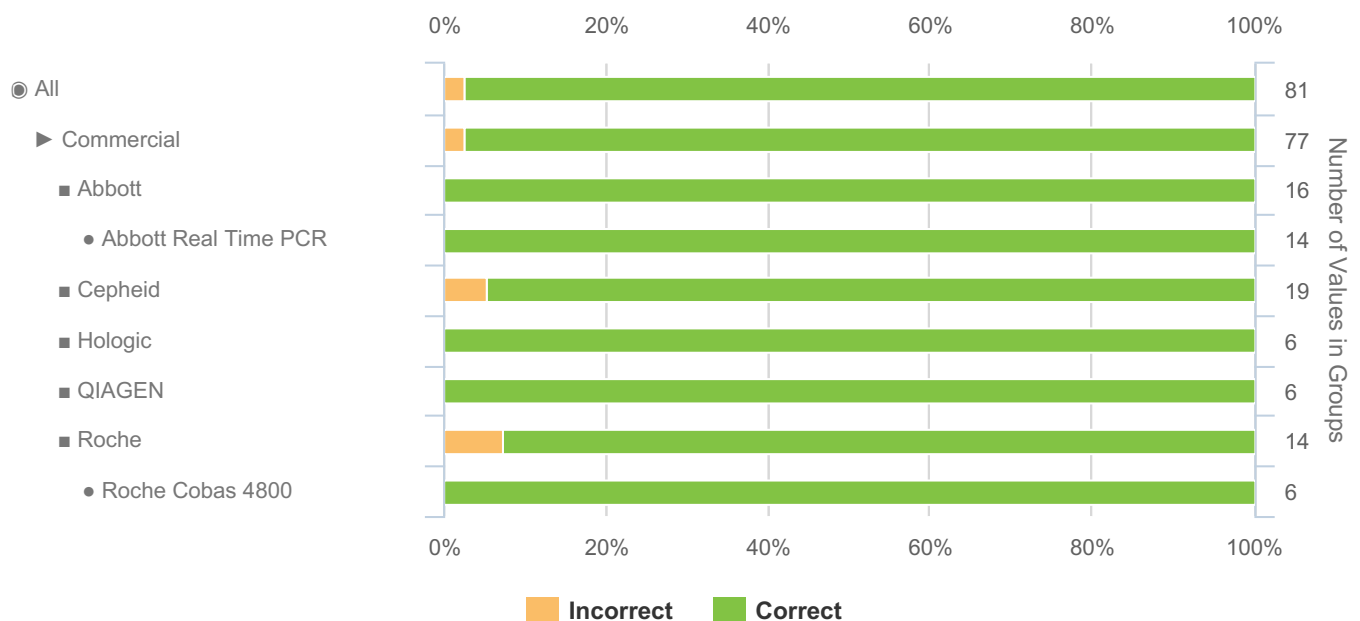
Qualitative analysis for each panel member is provided in relation to your EQA assessment group. EQA assessment groups are established using the molecular workflow information reported by all participants within this EQA challenge / distribution. The principal level of assessment is at the individual method level which is defined based on your reported “amplification/detection method” and other laboratories using the same or similar amplification/detection methods.


To allow meaningful assessment at the individual method level the EQA assessment group must consist of 5 or more datasets. If there are not sufficient datasets at the individual method level then your results will be included within a higher EQA assessment group based on whether it is a commercial or in house technology/method. The highest level assessment grouping is “All” participant reported qualitative results.

A breakdown of qualitative results reported by participants on each of the panel members within this EQA challenge / distribution is provided below. You can compare your results to those within your EQA assessment group and those obtained within other EQA assessment groups or to the overall consensus for each sample within this EQA challenge / distribution.

### HCVRNA101S-01 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HCVRNA101S-01	HCV Type 3a	Plasma	DS1_1	Frequently Detected	CORE	97.5	81



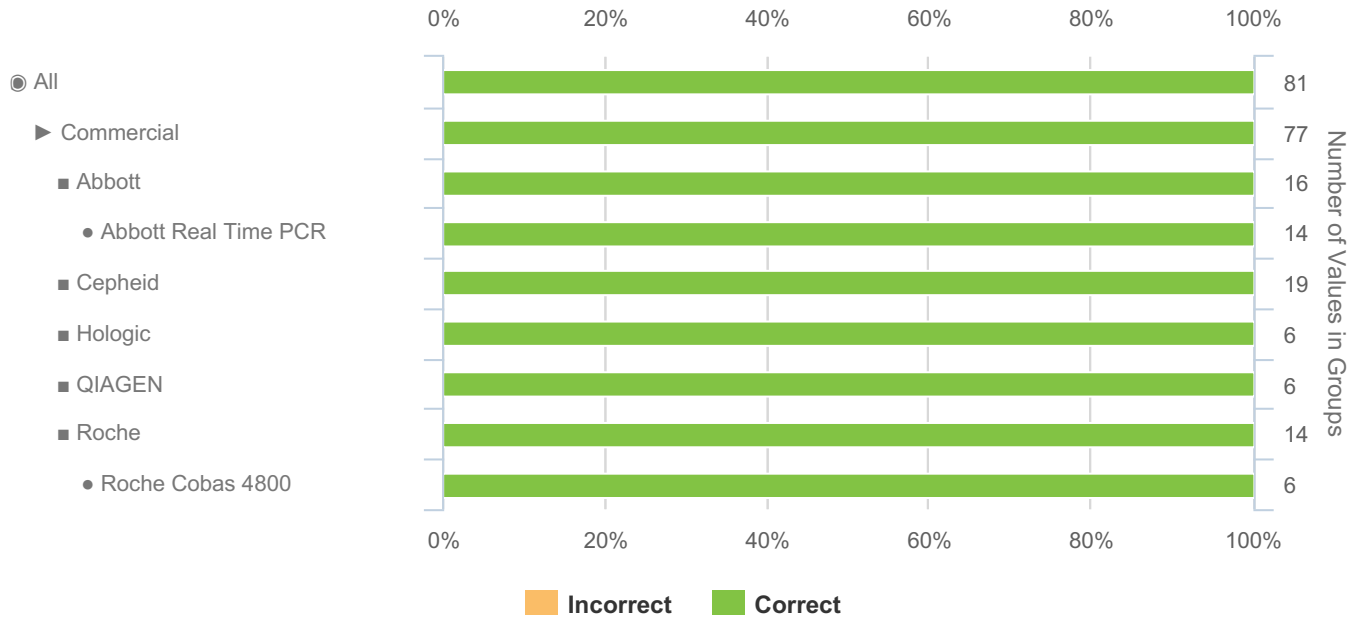
<b>Individual Report</b>		<b>QCMD 2020 Hepatitis C Virus RNA EQA Programme</b>			 Quality Control for Molecular Diagnostics	
<b>Catalogue Code:</b> QAV994112	<b>Ref Code:</b> HCVRNA20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative and Quantitative	<b>Dataset:</b> -	<b>Report UID:</b> -/-/2972	<b>Laboratory</b> -

**Groups below n=5:** Abbott - Abbott Alinity m (n=2), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), ELITech Group (n=2), ELITech Group - Elitech Elite Real Time kit (n=2), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Grifols (n=2), Grifols - Grifols Procleix Ultrio (n=2), InterLabService (n=1), InterLabService - InterLabService AmpliSens (n=1), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Roche - Roche Cobas 6800/8800 (n=3), Roche - Roche Cobas Ampliscreen (n=1), Roche - Roche Cobas TaqMan (n=4), Sacace (n=4), Sacace - Sacace Real TM (n=4), In-House (n=4), In-House - Other In-House (n=1), In-House - Real-time In-House PCR (n=3)

**Groups Rolled Up:** Cepheid - Cepheid Xpert kit (n=19), Hologic - Hologic Aptima (n=6), QIAGEN - QIAGEN Artus Real Time (n=6)

**HCVRNA101S-02 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HCVRNA101S-02	HCV Type 3a	Plasma	DS1_2	Frequently Detected	CORE	100.0	81



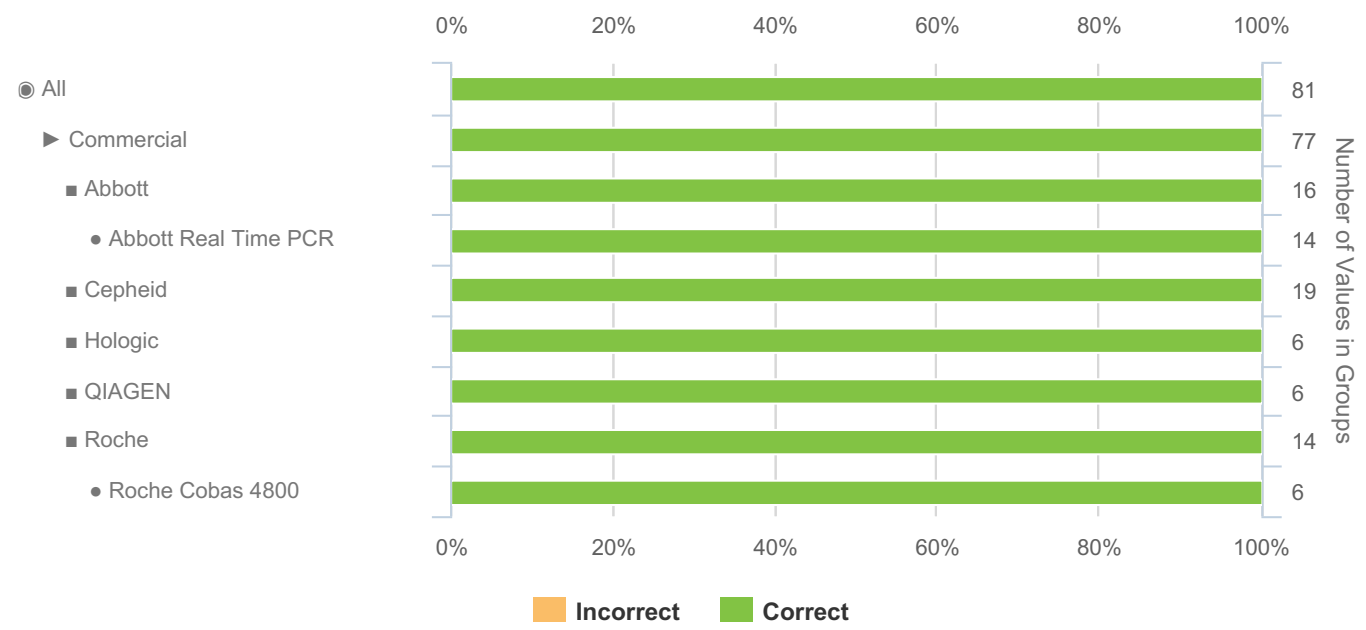
**Groups below n=5:** Abbott - Abbott Alinity m (n=2), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), ELITech Group (n=2), ELITech Group - Elitech Elite Real Time kit (n=2), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Grifols (n=2), Grifols - Grifols Procleix Ultrio (n=2), InterLabService (n=1), InterLabService - InterLabService AmpliSens (n=1), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Roche - Roche Cobas 6800/8800 (n=3), Roche - Roche Cobas Ampliscreen (n=1), Roche - Roche Cobas TaqMan (n=4), Sacace (n=4), Sacace - Sacace Real TM (n=4), In-House (n=4), In-House - Other In-House (n=1), In-House - Real-time In-House PCR (n=3)

**Groups Rolled Up:** Cepheid - Cepheid Xpert kit (n=19), Hologic - Hologic Aptima (n=6), QIAGEN - QIAGEN Artus Real Time (n=6)

Catalogue Code: QAV994112	Ref Code: HCVRNA20	Challenge: S	Analysis Type: Qualitative and Quantitative	Dataset: -	Report UID: -/-/2972	Laboratory: -
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**HCVRNA101S-03 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HCVRNA101S-03	HCV Type 1b	Plasma	D1	Frequently Detected	CORE	100.0	81



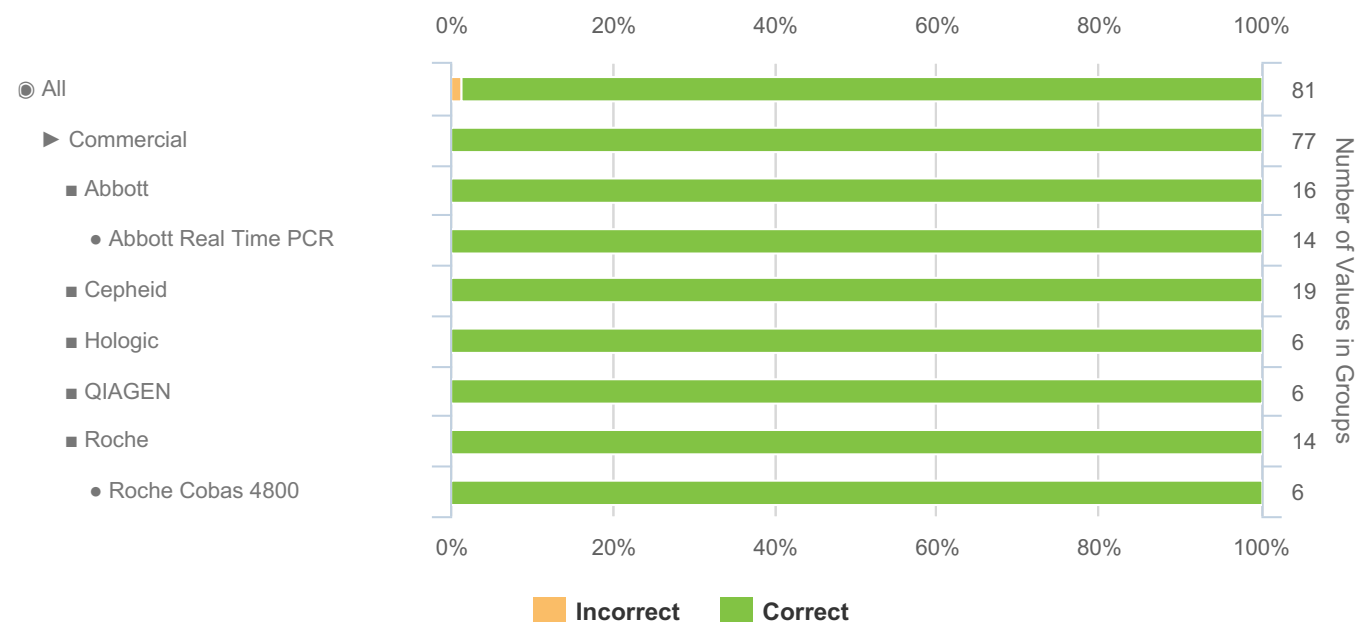
**Groups below n=5:** Abbott - Abbott Alinity m (n=2), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), ELITech Group (n=2), ELITech Group - Elitech Elite Real Time kit (n=2), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Grifols (n=2), Grifols - Grifols Procleix Ultrio (n=2), InterLabService (n=1), InterLabService - InterLabService AmpliSens (n=1), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Roche - Roche Cobas 6800/8800 (n=3), Roche - Roche Cobas Ampliscreen (n=1), Roche - Roche Cobas TaqMan (n=4), Sacace (n=4), Sacace - Sacace Real TM (n=4), In-House (n=4), In-House - Other In-House (n=1), In-House - Real-time In-House PCR (n=3)

**Groups Rolled Up:** Cepheid - Cepheid Xpert kit (n=19), Hologic - Hologic Aptima (n=6), QIAGEN - QIAGEN Artus Real Time (n=6)

Catalogue Code: QAV994112	Ref Code: HCVRNA20	Challenge: S	Analysis Type: Qualitative and Quantitative	Dataset: -	Report UID: -/-/2972	Laboratory: -
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**HCVRNA101S-04 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HCVRNA101S-04	HCV Type 1b	Plasma	D1	Frequently Detected	CORE	98.8	81



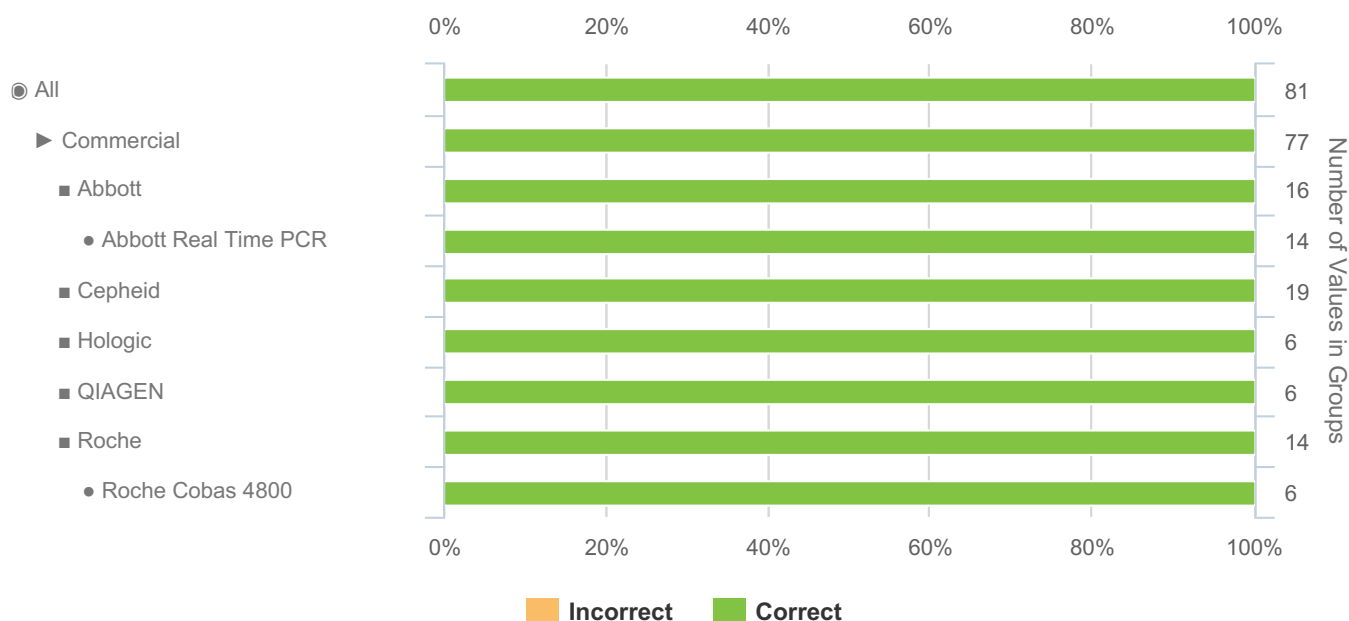
**Groups below n=5:** Abbott - Abbott Alinity m (n=2), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), ELITech Group (n=2), ELITech Group - Elitech Elite Real Time kit (n=2), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Grifols (n=2), Grifols - Grifols Procleix Ultrio (n=2), InterLabService (n=1), InterLabService - InterLabService AmpliSens (n=1), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Roche - Roche Cobas 6800/8800 (n=3), Roche - Roche Cobas Ampliscreen (n=1), Roche - Roche Cobas TaqMan (n=4), Sacace (n=4), Sacace - Sacace Real TM (n=4), In-House (n=4), In-House - Other In-House (n=1), In-House - Real-time In-House PCR (n=3)

**Groups Rolled Up:** Cepheid - Cepheid Xpert kit (n=19), Hologic - Hologic Aptima (n=6), QIAGEN - QIAGEN Artus Real Time (n=6)

<b>Catalogue Code:</b> QAV994112	<b>Ref Code:</b> HCVRNA20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative and Quantitative	<b>Dataset:</b> -	<b>Report UID:</b> -/-/2972	<b>Laboratory:</b> -
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**HCVRNA101S-05 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HCVRNA101S-05	HCV Negative	Plasma		Negative	CORE	100.0	81



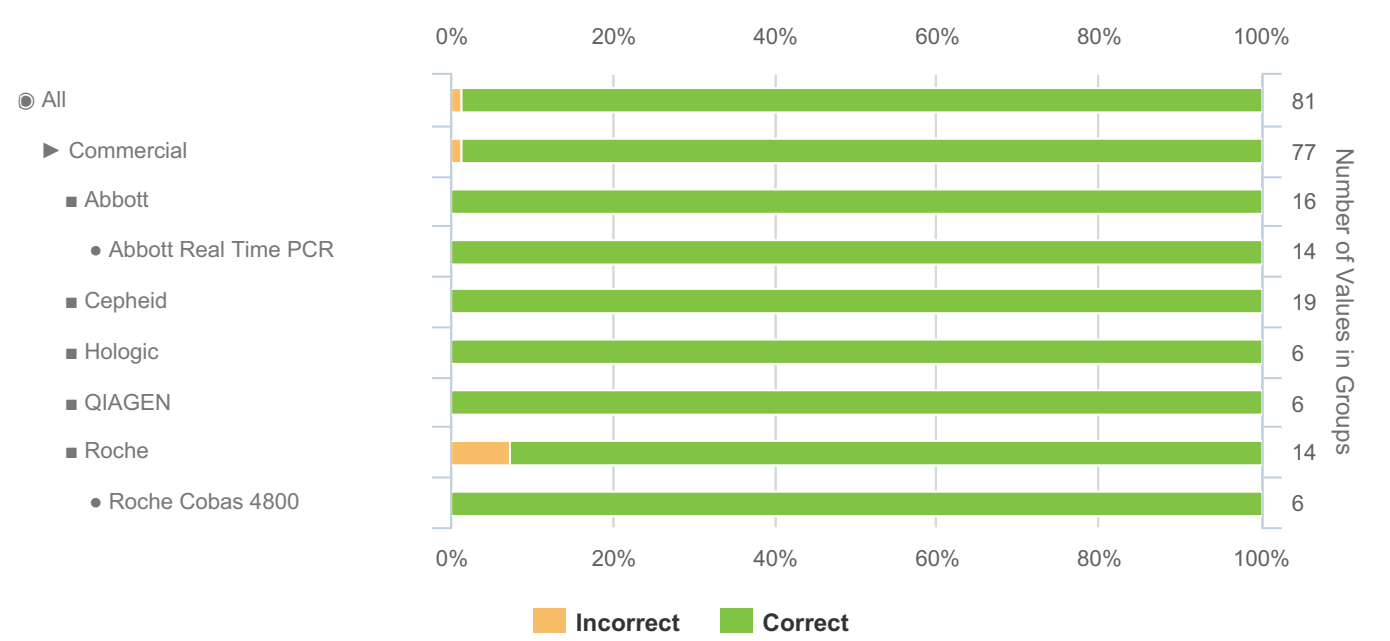
**Groups below n=5:** Abbott - Abbott Alinity m (n=2), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), ELITech Group (n=2), ELITech Group - Elitech Elite Real Time kit (n=2), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Grifols (n=2), Grifols - Grifols Procleix Ultrio (n=2), InterLabService (n=1), InterLabService - InterLabService AmpliSens (n=1), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Roche - Roche Cobas 6800/8800 (n=3), Roche - Roche Cobas Ampliscreen (n=1), Roche - Roche Cobas TaqMan (n=4), Sacace (n=4), Sacace - Sacace Real TM (n=4), In-House (n=4), In-House - Other In-House (n=1), In-House - Real-time In-House PCR (n=3)

**Groups Rolled Up:** Cepheid - Cepheid Xpert kit (n=19), Hologic - Hologic Aptima (n=6), QIAGEN - QIAGEN Artus Real Time (n=6)

<b>Catalogue Code:</b> QAV994112	<b>Ref Code:</b> HCVRNA20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative and Quantitative	<b>Dataset:</b> -	<b>Report UID:</b> -/-/2972	<b>Laboratory:</b> -
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**HCVRNA101S-06 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HCVRNA101S-06	HCV Type 1b	Plasma		Frequently Detected	CORE	98.8	81



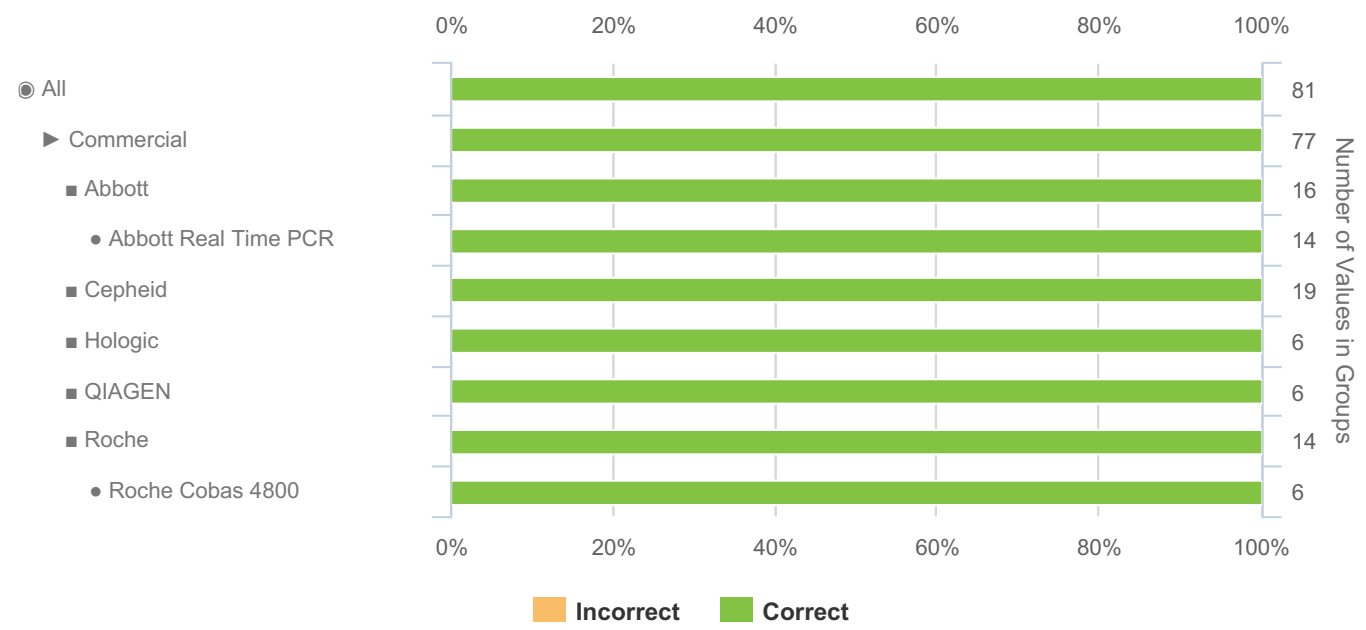
**Groups below n=5:** Abbott - Abbott Alinity m (n=2), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), ELITech Group (n=2), ELITech Group - Elitech Elite Real Time kit (n=2), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Grifols (n=2), Grifols - Grifols Procleix Ultrio (n=2), InterLabService (n=1), InterLabService - InterLabService AmpliSens (n=1), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Roche - Roche Cobas 6800/8800 (n=3), Roche - Roche Cobas Ampliscreen (n=1), Roche - Roche Cobas TaqMan (n=4), Sacace (n=4), Sacace - Sacace Real TM (n=4), In-House (n=4), In-House - Other In-House (n=1), In-House - Real-time In-House PCR (n=3)

**Groups Rolled Up:** Cepheid - Cepheid Xpert kit (n=19), Hologic - Hologic Aptima (n=6), QIAGEN - QIAGEN Artus Real Time (n=6)

Catalogue Code: QAV994112	Ref Code: HCVRNA20	Challenge: S	Analysis Type: Qualitative and Quantitative	Dataset: -	Report UID: -/-/2972	Laboratory: -
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**HCVRNA101S-07 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HCVRNA101S-07	HCV Type 1b	Plasma		Frequently Detected	CORE	100.0	81



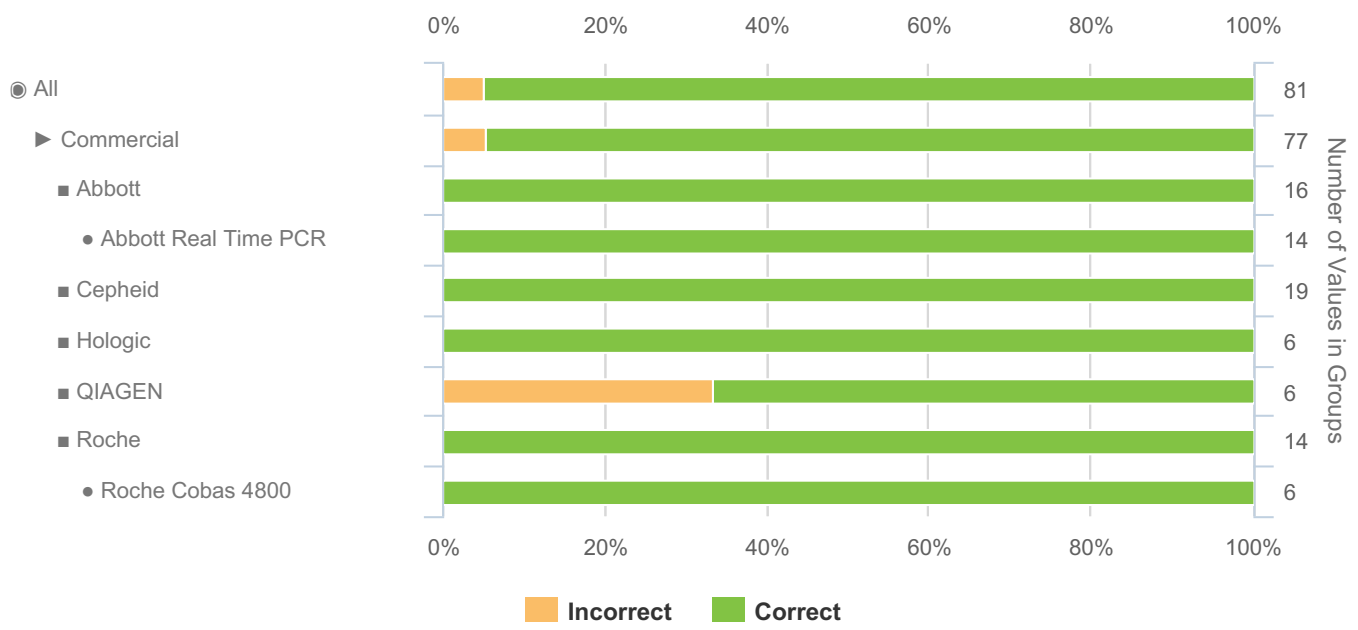
**Groups below n=5:** Abbott - Abbott Alinity m (n=2), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), ELITech Group (n=2), ELITech Group - Elitech Elite Real Time kit (n=2), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Grifols (n=2), Grifols - Grifols Procleix Ultrio (n=2), InterLabService (n=1), InterLabService - InterLabService AmpliSens (n=1), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Roche - Roche Cobas 6800/8800 (n=3), Roche - Roche Cobas Ampliscreen (n=1), Roche - Roche Cobas TaqMan (n=4), Sacace (n=4), Sacace - Sacace Real TM (n=4), In-House (n=4), In-House - Other In-House (n=1), In-House - Real-time In-House PCR (n=3)

**Groups Rolled Up:** Cepheid - Cepheid Xpert kit (n=19), Hologic - Hologic Aptima (n=6), QIAGEN - QIAGEN Artus Real Time (n=6)

<b>Catalogue Code:</b> QAV994112	<b>Ref Code:</b> HCVRNA20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative and Quantitative	<b>Dataset:</b> -	<b>Report UID:</b> -/-/2972	<b>Laboratory:</b> -
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**HCVRNA101S-08 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HCVRNA101S-08	HCV Type 1b	Plasma		Frequently Detected	CORE	95.1	81



**Groups below n=5:** Abbott - Abbott Alinity m (n=2), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), ELITech Group (n=2), ELITech Group - Elitech Elite Real Time kit (n=2), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Grifols (n=2), Grifols - Grifols Procleix Ultrio (n=2), InterLabService (n=1), InterLabService - InterLabService AmpliSens (n=1), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Roche - Roche Cobas 6800/8800 (n=3), Roche - Roche Cobas Ampliscreen (n=1), Roche - Roche Cobas TaqMan (n=4), Sacace (n=4), Sacace - Sacace Real TM (n=4), In-House (n=4), In-House - Other In-House (n=1), In-House - Real-time In-House PCR (n=3)

**Groups Rolled Up:** Cepheid - Cepheid Xpert kit (n=19), Hologic - Hologic Aptima (n=6), QIAGEN - QIAGEN Artus Real Time (n=6)

<b>Individual Report</b>		<b>QCMD 2020 Hepatitis C Virus RNA EQA Programme</b>			 <b>QCMD</b> <small>Quality Control for Molecular Diagnostics</small>	
<b>Catalogue Code:</b> QAV994112	<b>Ref Code:</b> HCVRNA20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative and Quantitative	<b>Dataset:</b> -	<b>Report UID:</b> -/-/2972	<b>Laboratory</b> -

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