Individual Report	QCMD 2022 Hepatitis B Virus DNA EQA Programme	

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994110	HBVDNA22	S	Qualitative and Quantitative	-	-/-/4751	-

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_{10})	*(n)*	*(Log_{10})*	*(n)*
HBVDNA22S-01	HBV Type D	Plasma	-	Frequently Detected	CORE	3.655	113	N/A	4
HBVDNA22S-02	HBV Type A	Plasma	-	Frequently Detected	CORE	3.813	112	N/A	4
HBVDNA22S-03	HBV Type D	Plasma	DS1_1	Frequently Detected	CORE	2.955	113	N/A	4
HBVDNA22S-04	HBV Type A	Plasma	D1	Frequently Detected	CORE	2.821	112	N/A	3
HBVDNA22S-05	HBV Type D	Plasma	DS1_2	Detected	CORE	1.981	110	N/A	3
HBVDNA22S-06	HBV Type A	Plasma	D1	Detected	CORE	2.822	111	N/A	3
HBVDNA22S-07	HBV Negative	Plasma	-	Negative	CORE	N/A	N/A	N/A	N/A
HBVDNA22S-08	HBV Type A	Plasma	-	Detected	CORE	1.867	105	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_{10}) 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_{10}) 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

Units	IU/ml
EQA Assessment Group [1]	N/A
Core Panel Detection (Qualitative) Score [2]	N/A
Core Panel Estimation (Quantitative) Score [3]	N/A

Core Panel Members Results

Sample Code	Unitage	EQA Assessment Group Consensus [4]	SD [5]	Quantitative Result		Qualitative Result		
				Your Result [6]	Estimation Score [7]	Percentage Correct (All) [8]	Your Result [9]	Detection Score [10]
HBVDNA22S-01	IU/ml	-	-	-	-	-	-	-
HBVDNA22S-02	IU/ml	-	-	-	-	-	-	-
HBVDNA22S-03	IU/ml	-	-	-	-	-	-	-
HBVDNA22S-04	IU/ml	-	-	-	-	-	-	-
HBVDNA22S-05	IU/ml	-	-	-	-	-	-	-
HBVDNA22S-06	IU/ml	-	-	-	-	-	-	-
HBVDNA22S-07	IU/ml	-	-	-	-	-	-	-
HBVDNA22S-08	IU/ml	-	-	-	-	-	-	-

All quantitative values above expressed in Log_{10} IU/ml.

[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.

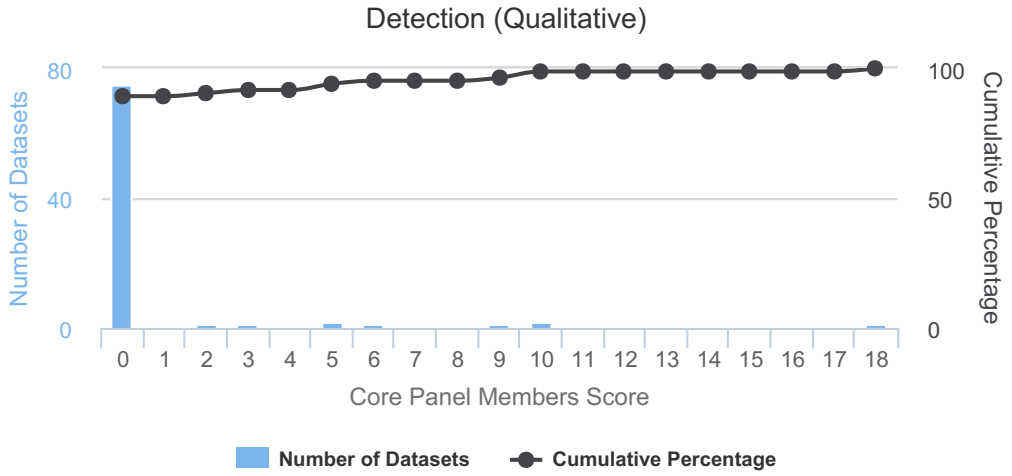
[8] **Percentage Correct (All):** Percentage of datasets (%) reporting the correct qualitative results for each panel member.

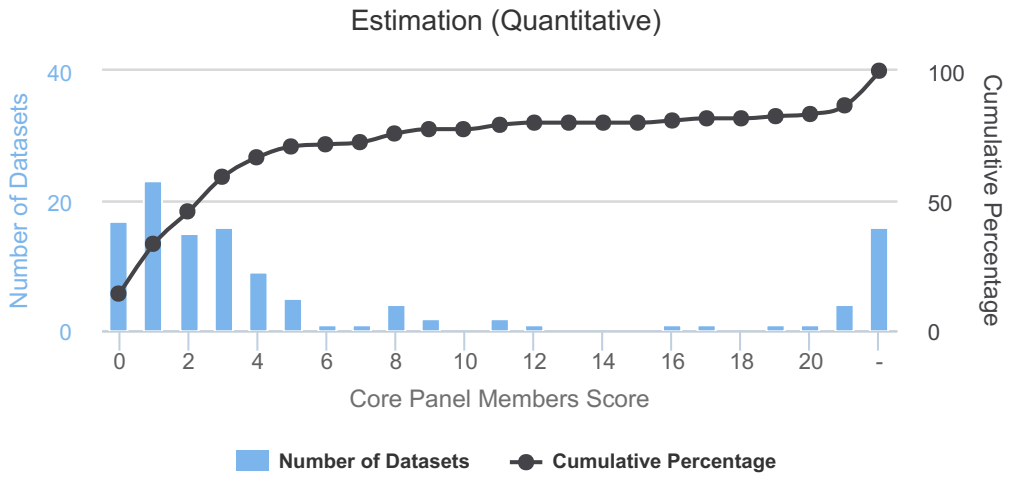
[9] **Your Qualitative Result:** The qualitative result you reported for each sample within this EQA challenge / distribution.

[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.

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.

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QAV994110	HBVDNA22	S	Qualitative and Quantitative	-	-/-/4751	-

Further Programme Details

Number of Participants	139
Number of Countries	42
Number of Respondents	128
Number of Datasets Submitted	134
Quantitative Results Returned (All)	120 (89.6%)
- Quantitative Results Returned (IU/ml)	116 (96.7%)
- Quantitative Results Returned (Copies/ml)	4 (3.3%)
Qualitative Results Returned	84 (62.7%)

EQA Programme Aims

To assess the proficiency of laboratories in the detection and quantitation of hepatitis B virus (HBV).
To assess the proficiency of laboratories in the detection and quantitation in different HBV 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.

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

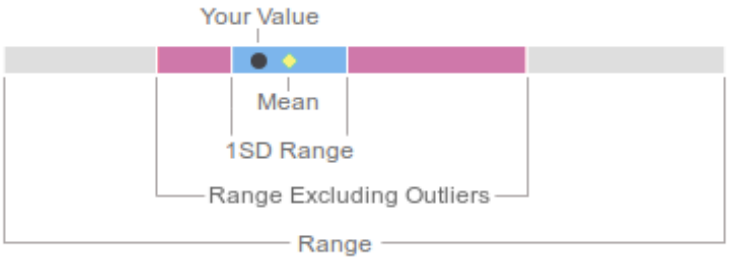
Individual Panel Member Analysis (Quantitative)

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.

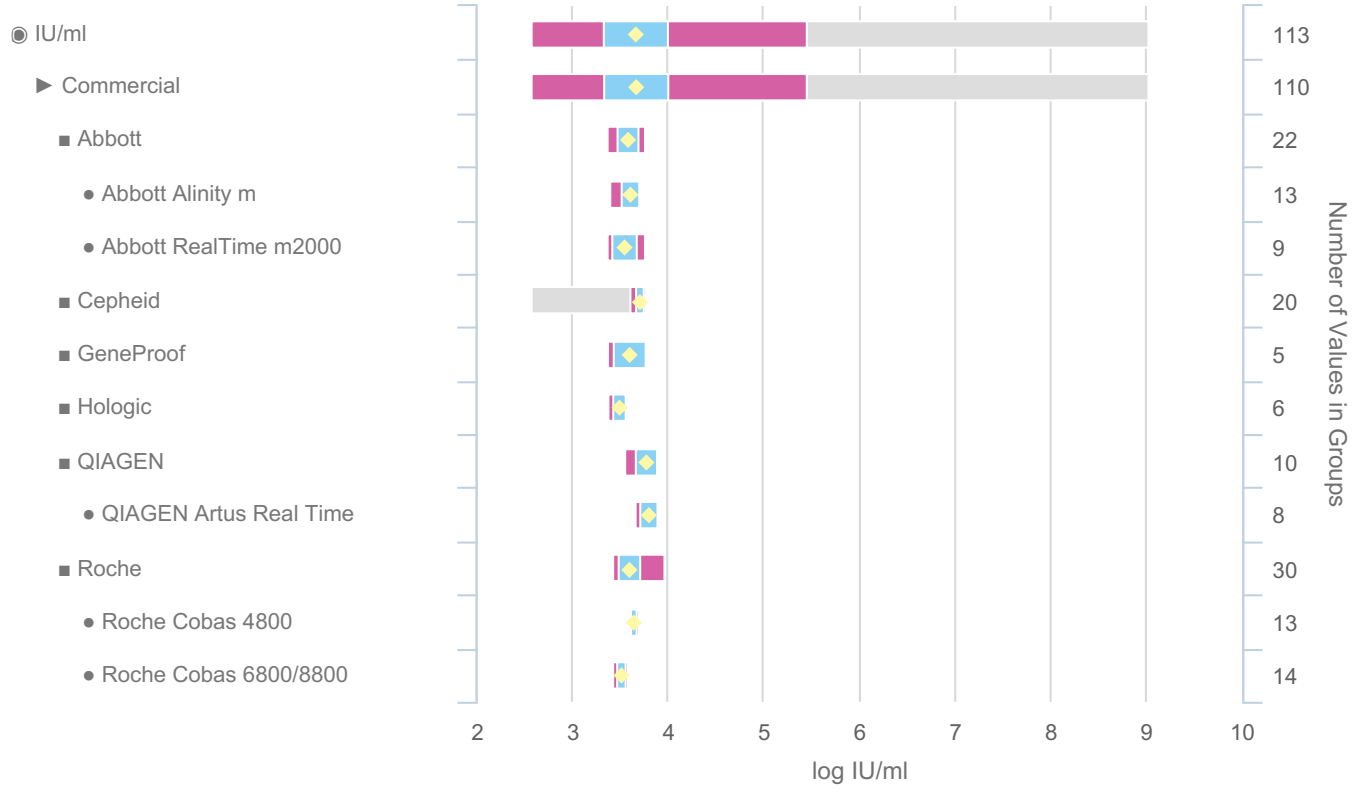
Key



Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994110	HBVDNA22	S	Qualitative and Quantitative	-	-/-/4751	-

HBVDNA22S-01 - Quantitative Results Breakdown (IU/ml)

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (IU/ml)		Range
						(Log$_{10}$)	*(n)*	
HBVDNA22S-01	HBV Type D	Plasma	-	Frequently Detected	CORE	3.655	113	2.565 - 9.019



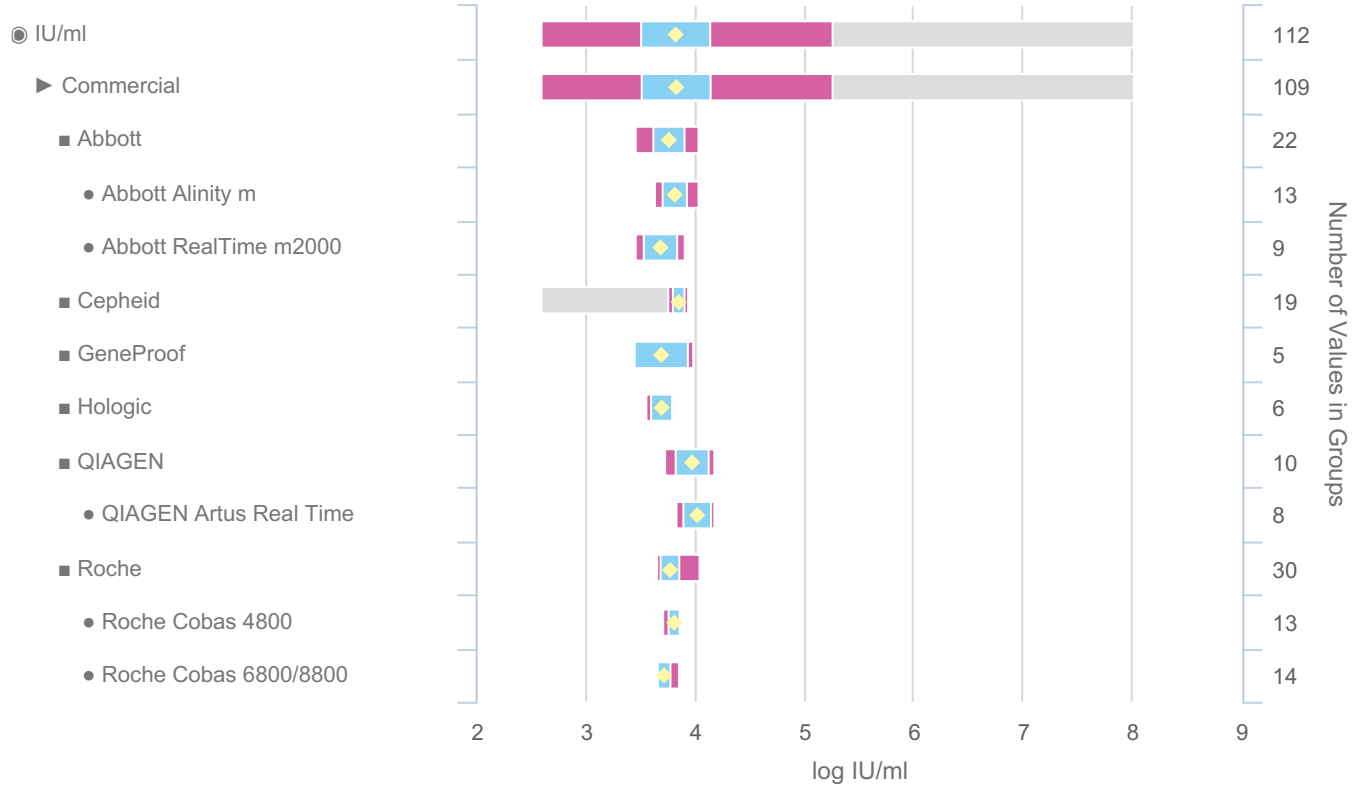
Groups below n=5: Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics AltoStar (n=1), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), Certest (n=1), Certest - Certest Real Time PCR (n=1), DNA-Tecnology (n=1), DNA-Tecnology - DNA-Technology RealTime PCR (n=1), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Mylab Discovery solutions (n=2), Mylab Discovery solutions - Mylab PathoDetect (n=2), QIAGEN - Qiagen NeuMoDx (n=2), RTA Laboratories (n=1), RTA Laboratories - RTA Laboratories Real time (n=1), RoboGene (n=1), RoboGene - RoboGene Real Time PCR (n=1), Roche - Roche Cobas Taqman (n=3), Sacace (n=4), Sacace - Sacace Real TM (n=4), In-House (n=3), In-House - Real-time In-House PCR (n=3)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=20), GeneProof - GeneProof Real Time PCR kit (n=5), Hologic - Hologic Aptima (n=6)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994110	HBVDNA22	S	Qualitative and Quantitative	-	-/-/4751	-

HBVDNA22S-02 - Quantitative Results Breakdown (IU/ml)

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (IU/ml)		Range
						(Log$_{10}$)	*(n)*	
HBVDNA22S-02	HBV Type A	Plasma	-	Frequently Detected	CORE	3.813	112	2.585 - 8.008



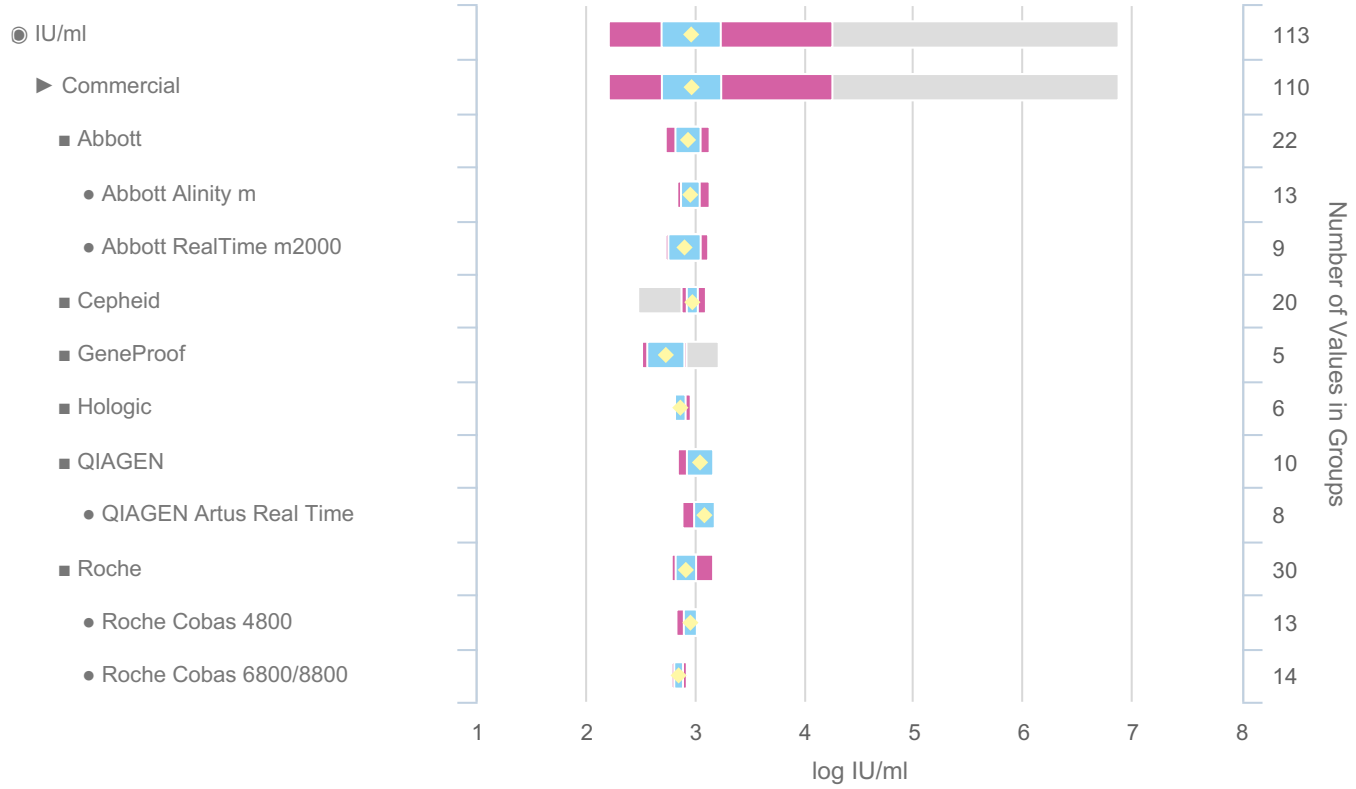
Groups below n=5: Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics AltoStar (n=1), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), Certest (n=1), Certest - Certest Real Time PCR (n=1), DNA-Tecnology (n=1), DNA-Tecnology - DNA-Technology RealTime PCR (n=1), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Mylab Discovery solutions (n=2), Mylab Discovery solutions - Mylab PathoDetect (n=2), QIAGEN - Qiagen NeuMoDx (n=2), RTA Laboratories (n=1), RTA Laboratories - RTA Laboratories Real time (n=1), RoboGene (n=1), RoboGene - RoboGene Real Time PCR (n=1), Roche - Roche Cobas Taqman (n=3), Sacace (n=4), Sacace - Sacace Real TM (n=4), In-House (n=3), In-House - Real-time In-House PCR (n=3)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=19), GeneProof - GeneProof Real Time PCR kit (n=5), Hologic - Hologic Aptima (n=6)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994110	HBVDNA22	S	Qualitative and Quantitative	-	-/-/4751	-

HBVDNA22S-03 - Quantitative Results Breakdown (IU/ml)

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (IU/ml)		Range
						(Log$_{10}$)	*(n)*	
HBVDNA22S-03	HBV Type D	Plasma	DS1_1	Frequently Detected	CORE	2.955	113	2.201 - 6.868



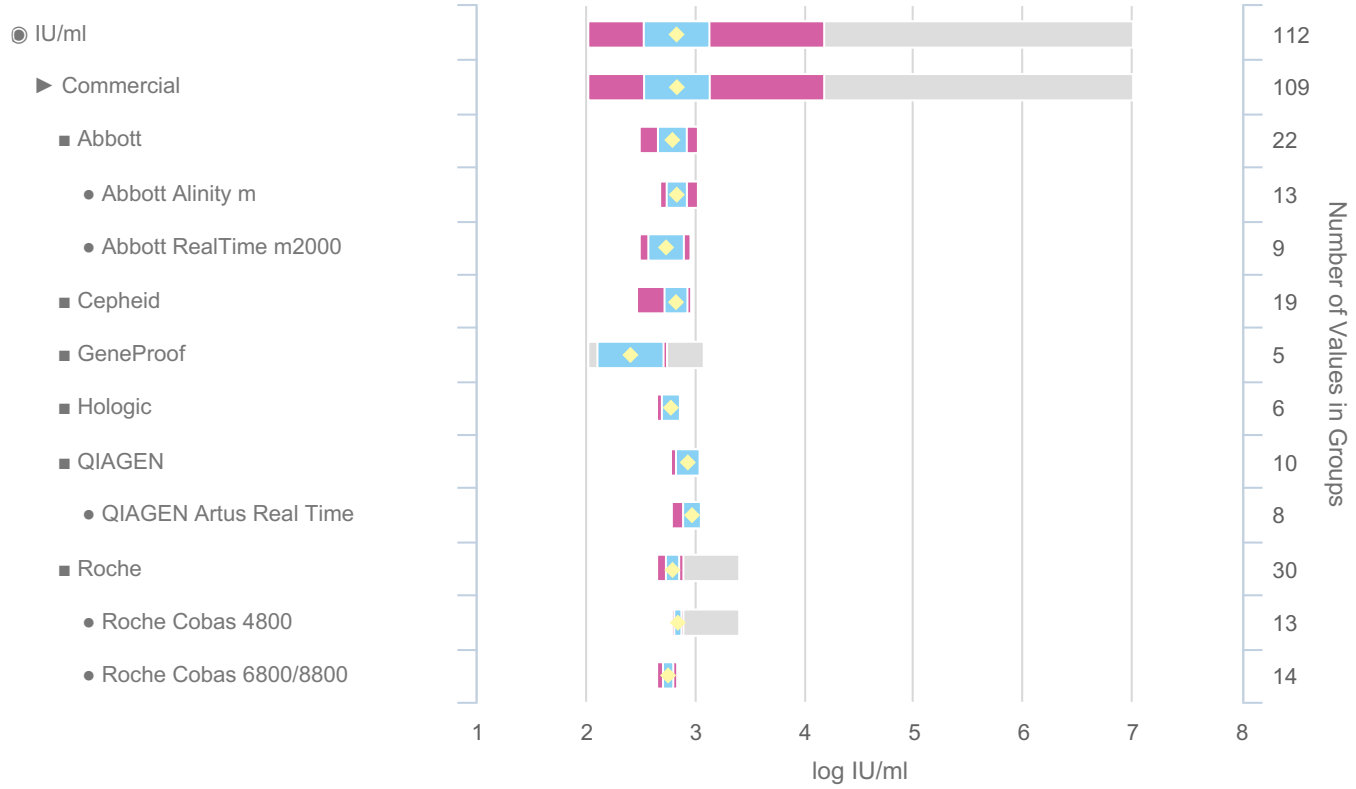
Groups below n=5: Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics AltoStar (n=1), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), Certest (n=1), Certest - Certest Real Time PCR (n=1), DNA-Tecnology (n=1), DNA-Tecnology - DNA-Technology RealTime PCR (n=1), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Mylab Discovery solutions (n=2), Mylab Discovery solutions - Mylab PathoDetect (n=2), QIAGEN - Qiagen NeuMoDx (n=2), RTA Laboratories (n=1), RTA Laboratories - RTA Laboratories Real time (n=1), RoboGene (n=1), RoboGene - RoboGene Real Time PCR (n=1), Roche - Roche Cobas Taqman (n=3), Sacace (n=4), Sacace - Sacace Real TM (n=4), In-House (n=3), In-House - Real-time In-House PCR (n=3)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=20), GeneProof - GeneProof Real Time PCR kit (n=5), Hologic - Hologic Aptima (n=6)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994110	HBVDNA22	S	Qualitative and Quantitative	-	-/-/4751	-

HBVDNA22S-04 - Quantitative Results Breakdown (IU/ml)

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (IU/ml)		Range
						(Log$_{10}$)	*(n)*	
HBVDNA22S-04	HBV Type A	Plasma	D1	Frequently Detected	CORE	2.821	112	2.013 - 7.001



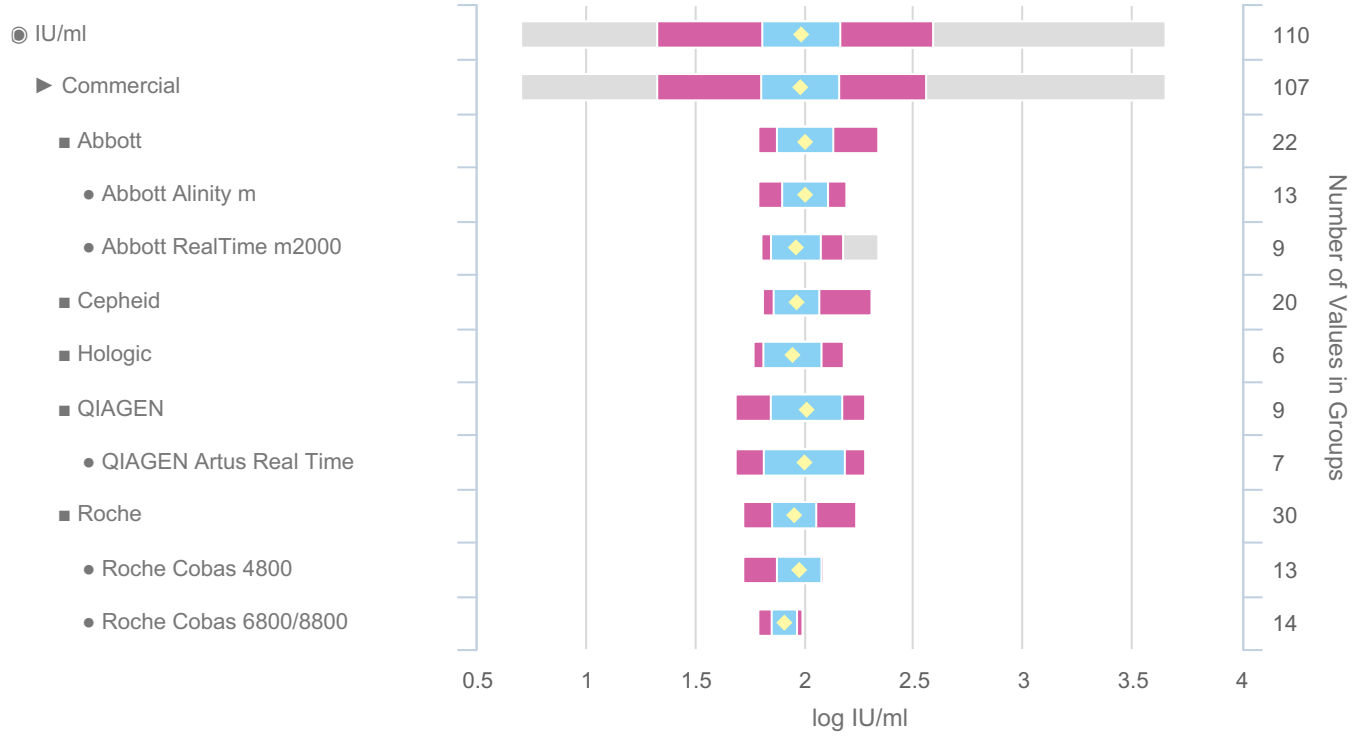
Groups below n=5: Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics AltoStar (n=1), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), Certest (n=1), Certest - Certest Real Time PCR (n=1), DNA-Tecnology (n=1), DNA-Tecnology - DNA-Technology RealTime PCR (n=1), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Mylab Discovery solutions (n=2), Mylab Discovery solutions - Mylab PathoDetect (n=2), QIAGEN - Qiagen NeuMoDx (n=2), RTA Laboratories (n=1), RTA Laboratories - RTA Laboratories Real time (n=1), RoboGene (n=1), RoboGene - RoboGene Real Time PCR (n=1), Roche - Roche Cobas Taqman (n=3), Sacace (n=4), Sacace - Sacace Real TM (n=4), In-House (n=3), In-House - Real-time In-House PCR (n=3)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=19), GeneProof - GeneProof Real Time PCR kit (n=5), Hologic - Hologic Aptima (n=6)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994110	HBVDNA22	S	Qualitative and Quantitative	-	-/-/4751	-

HBVDNA22S-05 - Quantitative Results Breakdown (IU/ml)

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (IU/ml)		Range
						(Log$_{10}$)	*(n)*	
HBVDNA22S-05	HBV Type D	Plasma	DS1_2	Detected	CORE	1.981	110	0.699 - 3.649



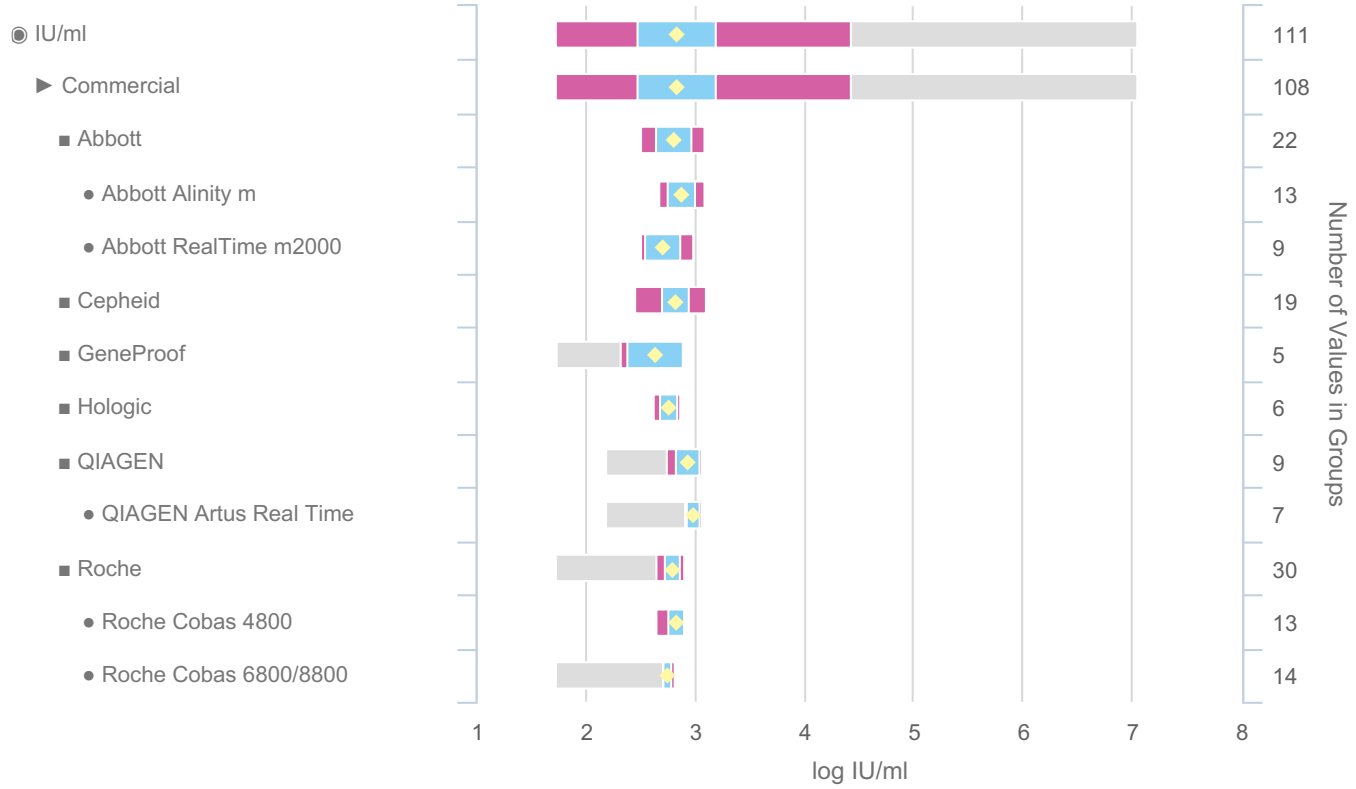
Groups below n=5: Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics AltoStar (n=1), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), Certest (n=1), Certest - Certest Real Time PCR (n=1), DNA-Tecnology (n=1), DNA-Tecnology - DNA-Technology RealTime PCR (n=1), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Mylab Discovery solutions (n=2), Mylab Discovery solutions - Mylab PathoDetect (n=2), QIAGEN - Qiagen NeuMoDx (n=2), RTA Laboratories (n=1), RTA Laboratories - RTA Laboratories Real time (n=1), RoboGene (n=1), RoboGene - RoboGene Real Time PCR (n=1), Roche - Roche Cobas Taqman (n=3), Sacace (n=4), Sacace - Sacace Real TM (n=4), In-House (n=3), In-House - Real-time In-House PCR (n=3)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=20), Hologic - Hologic Aptima (n=6)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994110	HBVDNA22	S	Qualitative and Quantitative	-	-/-/4751	-

HBVDNA22S-06 - Quantitative Results Breakdown (IU/ml)

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (IU/ml)		Range
						(Log$_{10}$)	*(n)*	
HBVDNA22S-06	HBV Type A	Plasma	D1	Detected	CORE	2.822	111	1.716 - 7.039



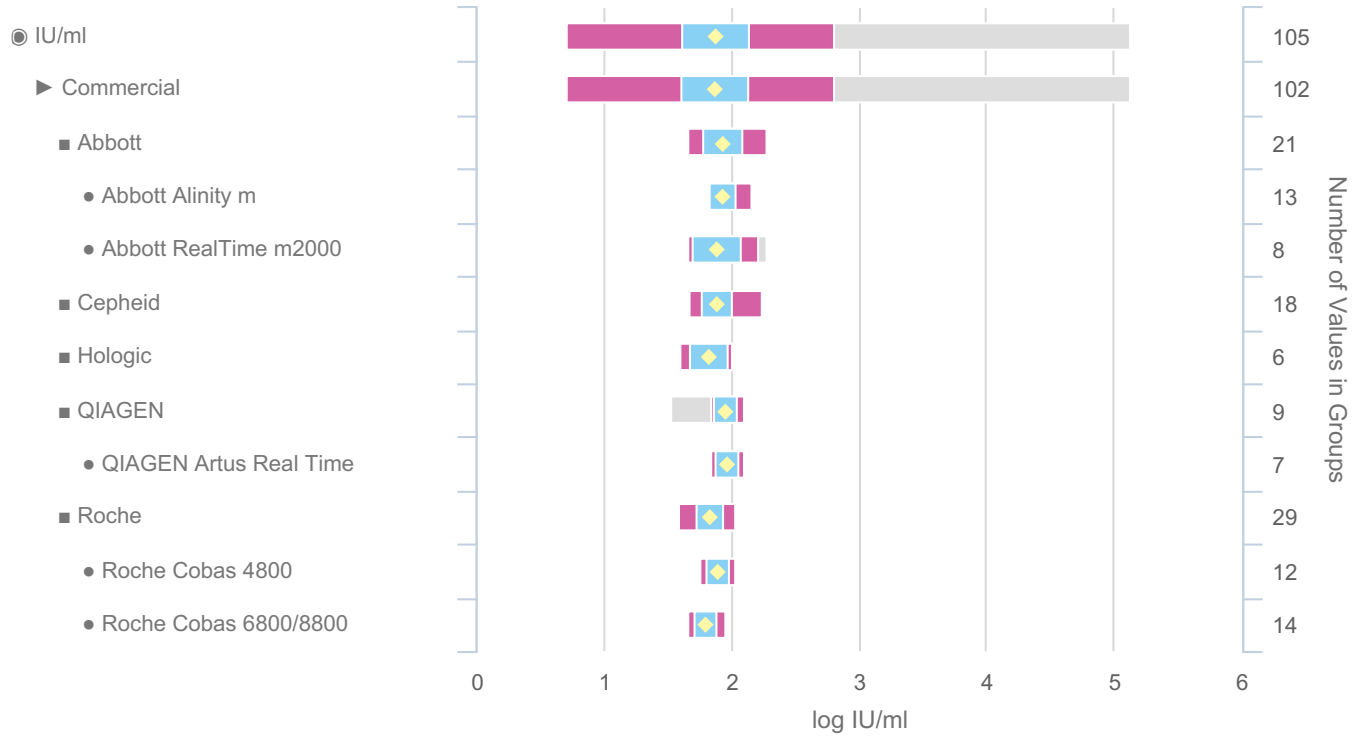
Groups below n=5: Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics AltoStar (n=1), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), Certest (n=1), Certest - Certest Real Time PCR (n=1), DNA-Tecnology (n=1), DNA-Tecnology - DNA-Technology RealTime PCR (n=1), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Mylab Discovery solutions (n=2), Mylab Discovery solutions - Mylab PathoDetect (n=2), QIAGEN - Qiagen NeuMoDx (n=2), RTA Laboratories (n=1), RTA Laboratories - RTA Laboratories Real time (n=1), RoboGene (n=1), RoboGene - RoboGene Real Time PCR (n=1), Roche - Roche Cobas Taqman (n=3), Sacace (n=4), Sacace - Sacace Real TM (n=4), In-House (n=3), In-House - Real-time In-House PCR (n=3)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=19), GeneProof - GeneProof Real Time PCR kit (n=5), Hologic - Hologic Aptima (n=6)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994110	HBVDNA22	S	Qualitative and Quantitative	-	-/-/4751	-

HBVDNA22S-08 - Quantitative Results Breakdown (IU/ml)

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (IU/ml)		Range
						(Log$_{10}$)	*(n)*	
HBVDNA22S-08	HBV Type A	Plasma	-	Detected	CORE	1.867	105	0.699 - 5.119



Groups below n=5: Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics AltoStar (n=1), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), Certest (n=1), Certest - Certest Real Time PCR (n=1), DNA-Tecnology (n=1), DNA-Tecnology - DNA-Technology RealTime PCR (n=1), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Mylab Discovery solutions (n=2), Mylab Discovery solutions - Mylab PathoDetect (n=2), QIAGEN - Qiagen NeuMoDx (n=2), RoboGene (n=1), RoboGene - RoboGene Real Time PCR (n=1), Roche - Roche Cobas Taqman (n=3), Sacace (n=4), Sacace - Sacace Real TM (n=4), In-House (n=3), In-House - Real-time In-House PCR (n=3)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=18), Hologic - Hologic Aptima (n=6)

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.

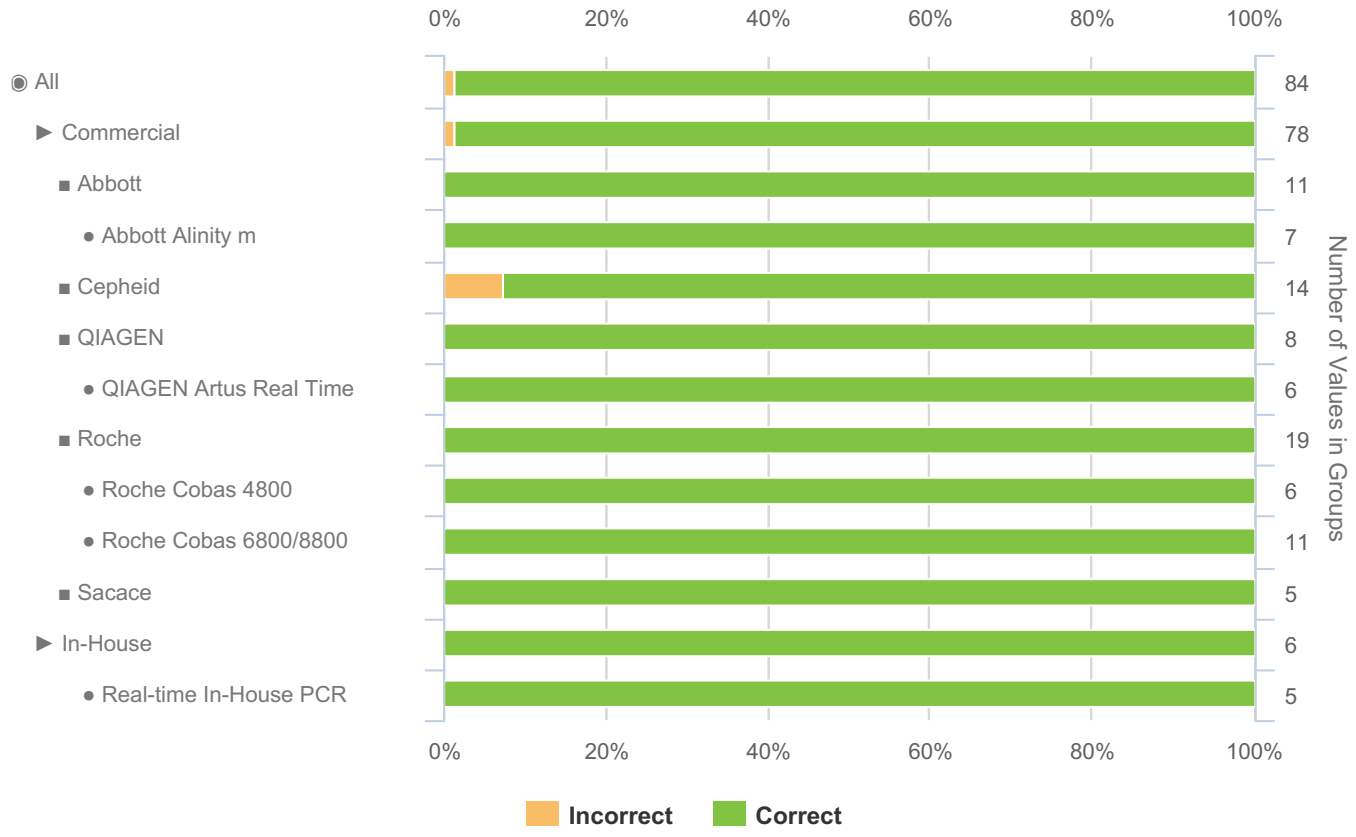
To allow meaningful assessment at the individual method level the EQA assessment group must consist of 5 or more datasets. If there are not sufficient datasets at the individual method level then your results will be included within a higher EQA assessment group based on whether it is a commercial or 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.

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994110	HBVDNA22	S	Qualitative and Quantitative	-	-/-/4751	-

HBVDNA22S-01 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	*(n)*
HBVDNA22S-01	HBV Type D	Plasma	-	Frequently Detected	CORE	98.8	84



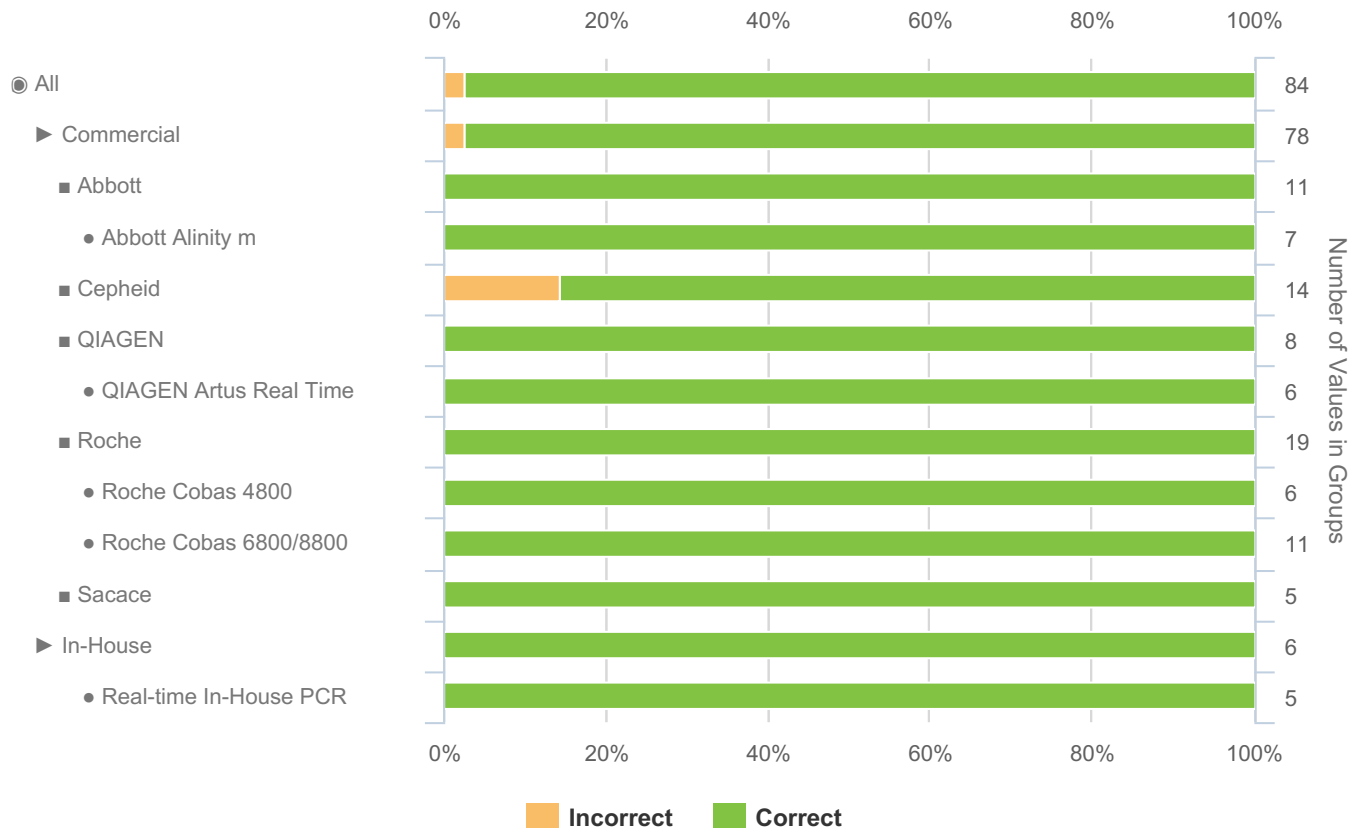
Groups below n=5: Abbott - Abbott RealTime m2000 (n=4), AmpliSens (n=2), AmpliSens - AmpliSens Real Time PCR (n=2), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), DNA-Tecnology (n=1), DNA-Tecnology - DNA-Technology RealTime PCR (n=1), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), GeneProof (n=4), GeneProof - GeneProof Real Time PCR kit (n=4), General Biologicals (n=1), General Biologicals - GB Real-Time PCR (n=1), Grifols (n=3), Grifols - Grifols Procleix Ultrio (n=3), Hologic (n=2), Hologic - Hologic Aptima (n=2), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Mylab Discovery solutions (n=2), Mylab Discovery solutions - Mylab PathoDetect (n=2), QIAGEN - Qiagen NeuMoDx (n=2), Roche - Roche Cobas Amplicor (n=1), Roche - Roche Cobas Taqman (n=1), Vector-Best (n=1), Vector-Best - Vector-Best Real Time PCR (n=1), In-House - Conventional In-House PCR (n=1)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=14), Sacace - Sacace Real TM (n=5)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994110	HBVDNA22	S	Qualitative and Quantitative	-	-/-/4751	-

HBVDNA22S-02 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	*(n)*
HBVDNA22S-02	HBV Type A	Plasma	-	Frequently Detected	CORE	97.6	84



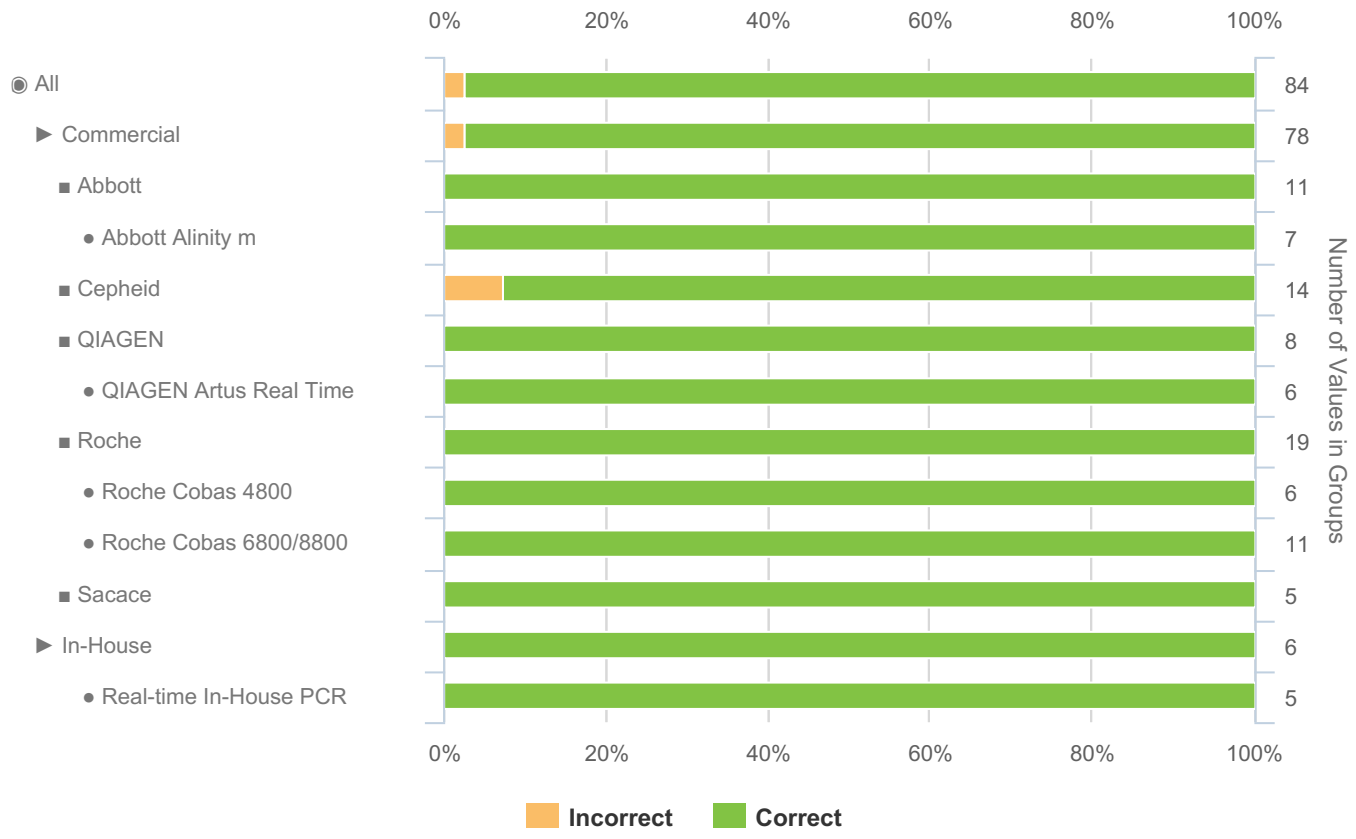
Groups below n=5: Abbott - Abbott RealTime m2000 (n=4), AmpliSens (n=2), AmpliSens - AmpliSens Real Time PCR (n=2), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), DNA-Tecnology (n=1), DNA-Tecnology - DNA-Technology RealTime PCR (n=1), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), GeneProof (n=4), GeneProof - GeneProof Real Time PCR kit (n=4), General Biologicals (n=1), General Biologicals - GB Real-Time PCR (n=1), Grifols (n=3), Grifols - Grifols Procleix Ultrio (n=3), Hologic (n=2), Hologic - Hologic Aptima (n=2), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Mylab Discovery solutions (n=2), Mylab Discovery solutions - Mylab PathoDetect (n=2), QIAGEN - Qiagen NeuMoDx (n=2), Roche - Roche Cobas Amplicor (n=1), Roche - Roche Cobas Taqman (n=1), Vector-Best (n=1), Vector-Best - Vector-Best Real Time PCR (n=1), In-House - Conventional In-House PCR (n=1)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=14), Sacace - Sacace Real TM (n=5)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994110	HBVDNA22	S	Qualitative and Quantitative	-	-/-/4751	-

HBVDNA22S-03 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	*(n)*
HBVDNA22S-03	HBV Type D	Plasma	DS1_1	Frequently Detected	CORE	97.6	84



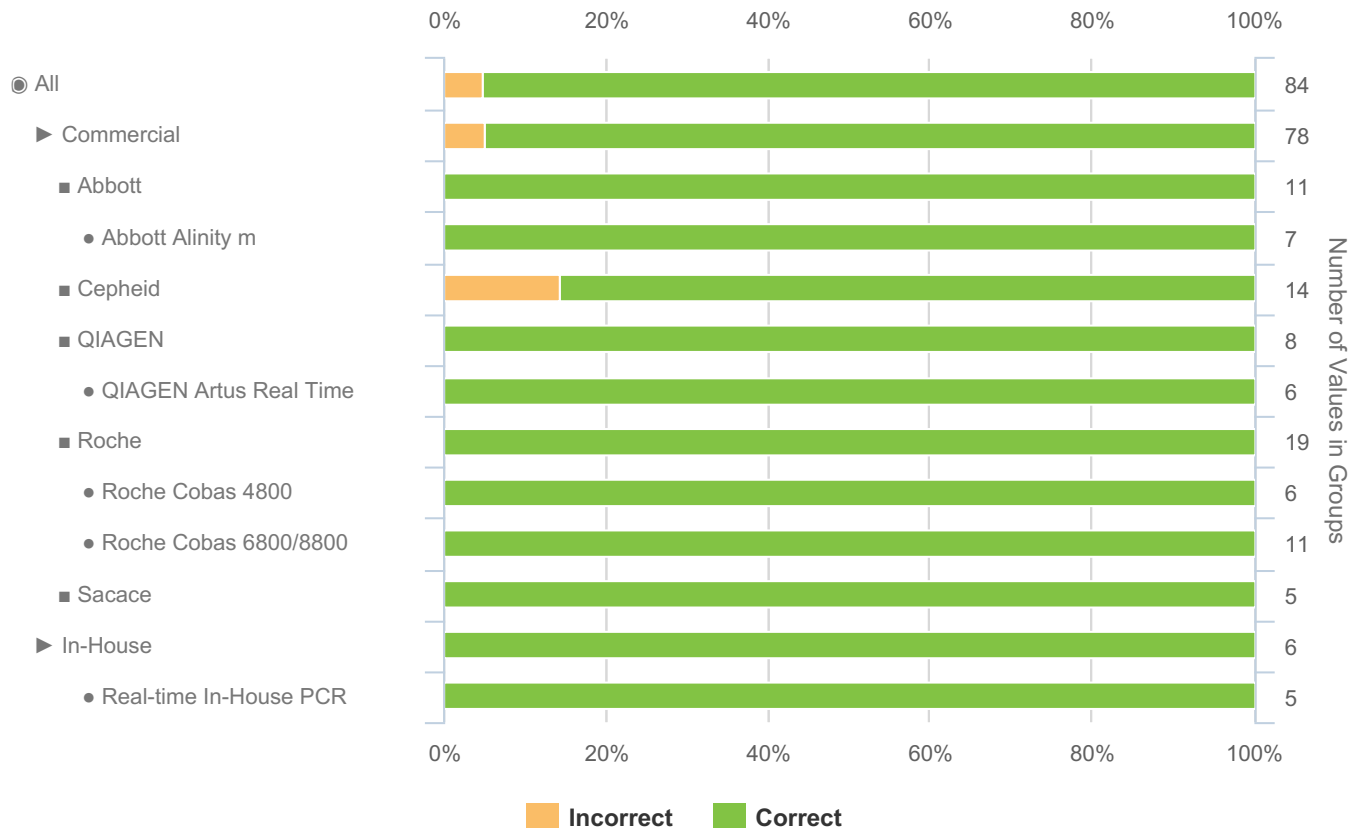
Groups below n=5: Abbott - Abbott RealTime m2000 (n=4), AmpliSens (n=2), AmpliSens - AmpliSens Real Time PCR (n=2), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), DNA-Tecnology (n=1), DNA-Tecnology - DNA-Technology RealTime PCR (n=1), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), GeneProof (n=4), GeneProof - GeneProof Real Time PCR kit (n=4), General Biologicals (n=1), General Biologicals - GB Real-Time PCR (n=1), Grifols (n=3), Grifols - Grifols Procleix Ultrio (n=3), Hologic (n=2), Hologic - Hologic Aptima (n=2), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Mylab Discovery solutions (n=2), Mylab Discovery solutions - Mylab PathoDetect (n=2), QIAGEN - Qiagen NeuMoDx (n=2), Roche - Roche Cobas Amplicor (n=1), Roche - Roche Cobas Taqman (n=1), Vector-Best (n=1), Vector-Best - Vector-Best Real Time PCR (n=1), In-House - Conventional In-House PCR (n=1)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=14), Sacace - Sacace Real TM (n=5)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994110	HBVDNA22	S	Qualitative and Quantitative	-	-/-/4751	-

HBVDNA22S-04 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	*(n)*
HBVDNA22S-04	HBV Type A	Plasma	D1	Frequently Detected	CORE	95.2	84



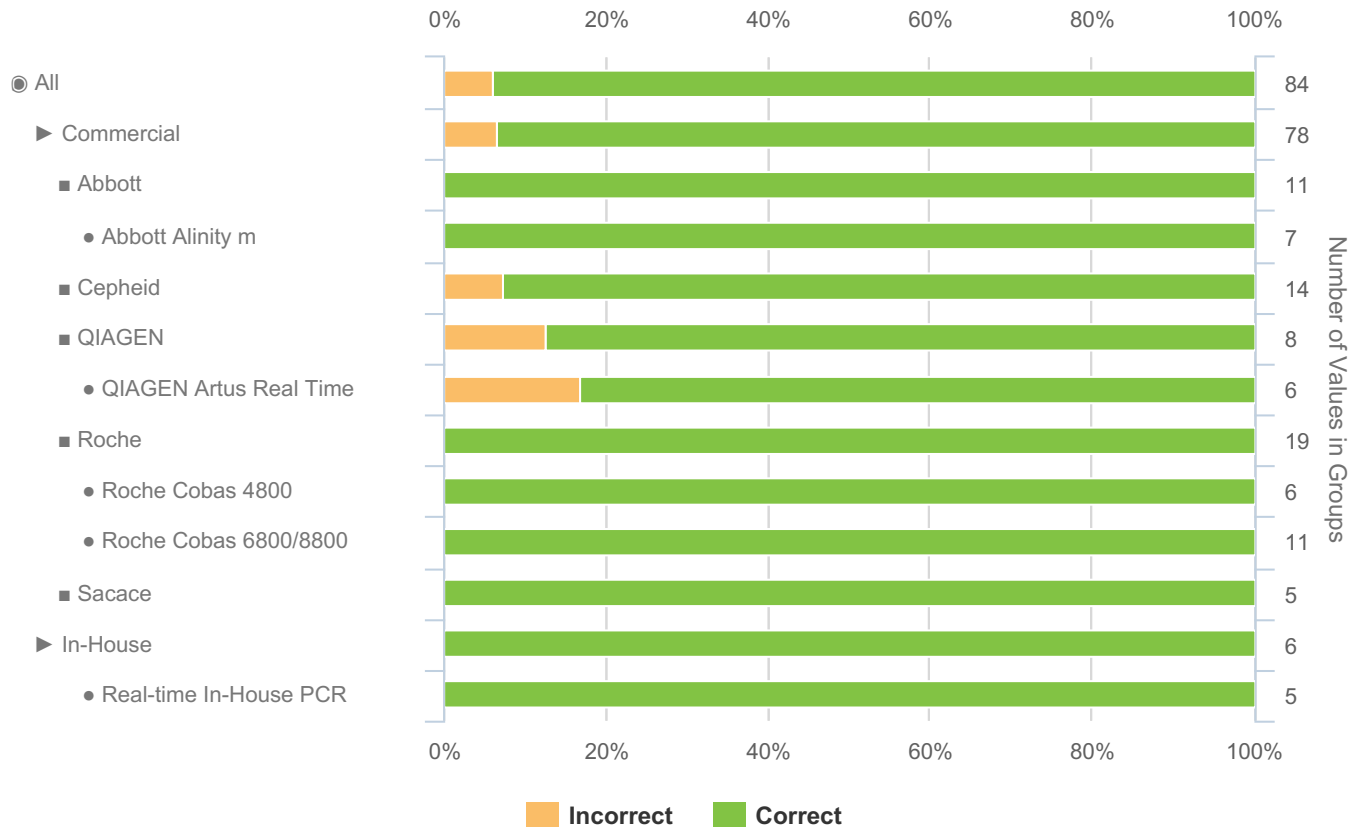
Groups below n=5: Abbott - Abbott RealTime m2000 (n=4), AmpliSens (n=2), AmpliSens - AmpliSens Real Time PCR (n=2), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), DNA-Tecnology (n=1), DNA-Tecnology - DNA-Technology RealTime PCR (n=1), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), GeneProof (n=4), GeneProof - GeneProof Real Time PCR kit (n=4), General Biologicals (n=1), General Biologicals - GB Real-Time PCR (n=1), Grifols (n=3), Grifols - Grifols Procleix Ultrio (n=3), Hologic (n=2), Hologic - Hologic Aptima (n=2), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Mylab Discovery solutions (n=2), Mylab Discovery solutions - Mylab PathoDetect (n=2), QIAGEN - Qiagen NeuMoDx (n=2), Roche - Roche Cobas Amplicor (n=1), Roche - Roche Cobas Taqman (n=1), Vector-Best (n=1), Vector-Best - Vector-Best Real Time PCR (n=1), In-House - Conventional In-House PCR (n=1)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=14), Sacace - Sacace Real TM (n=5)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994110	HBVDNA22	S	Qualitative and Quantitative	-	-/-/4751	-

HBVDNA22S-05 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	*(n)*
HBVDNA22S-05	HBV Type D	Plasma	DS1_2	Detected	CORE	94.0	84



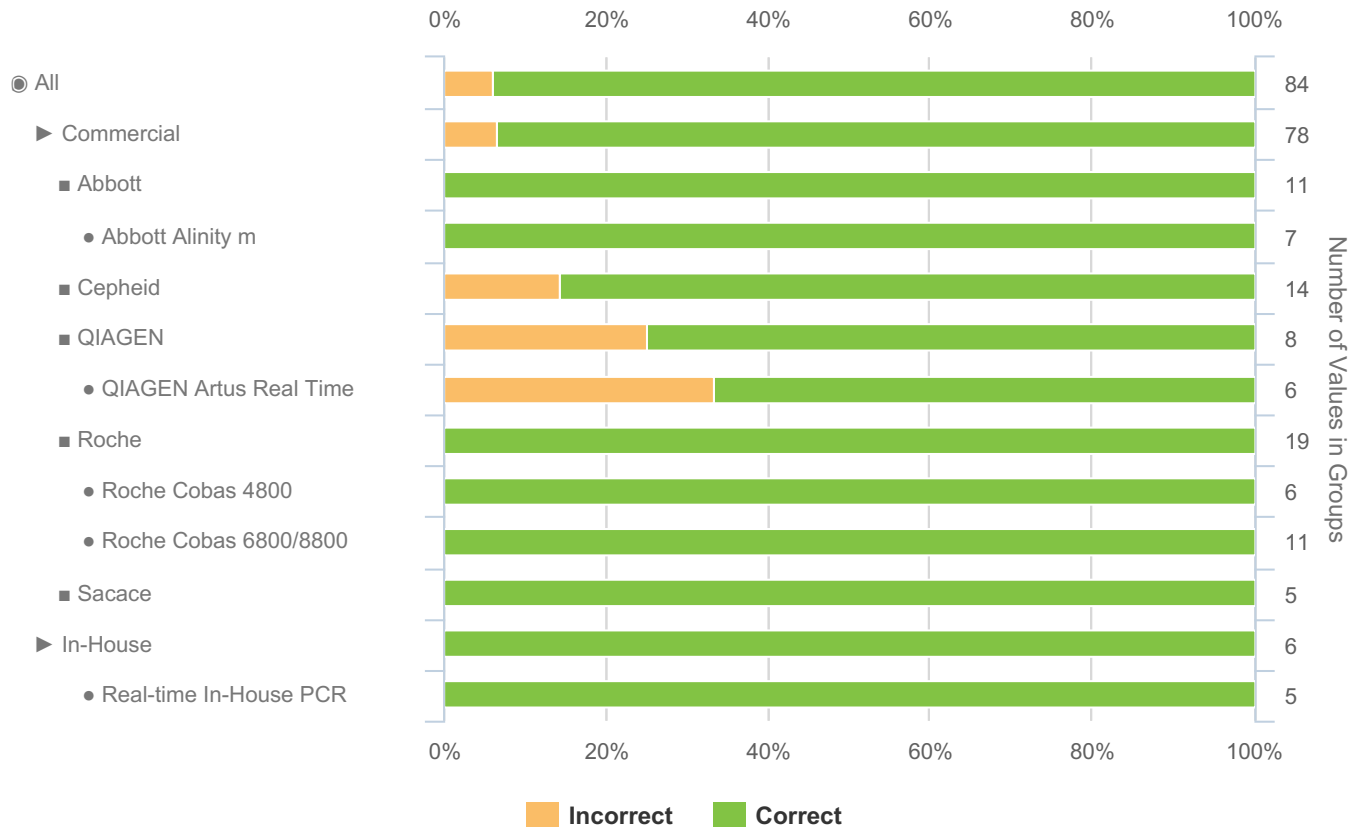
Groups below n=5: Abbott - Abbott RealTime m2000 (n=4), AmpliSens (n=2), AmpliSens - AmpliSens Real Time PCR (n=2), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), DNA-Tecnology (n=1), DNA-Tecnology - DNA-Technology RealTime PCR (n=1), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), GeneProof (n=4), GeneProof - GeneProof Real Time PCR kit (n=4), General Biologicals (n=1), General Biologicals - GB Real-Time PCR (n=1), Grifols (n=3), Grifols - Grifols Procleix Ultrio (n=3), Hologic (n=2), Hologic - Hologic Aptima (n=2), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Mylab Discovery solutions (n=2), Mylab Discovery solutions - Mylab PathoDetect (n=2), QIAGEN - Qiagen NeuMoDx (n=2), Roche - Roche Cobas Amplicor (n=1), Roche - Roche Cobas Taqman (n=1), Vector-Best (n=1), Vector-Best - Vector-Best Real Time PCR (n=1), In-House - Conventional In-House PCR (n=1)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=14), Sacace - Sacace Real TM (n=5)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994110	HBVDNA22	S	Qualitative and Quantitative	-	-/-/4751	-

HBVDNA22S-06 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	*(n)*
HBVDNA22S-06	HBV Type A	Plasma	D1	Detected	CORE	94.0	84



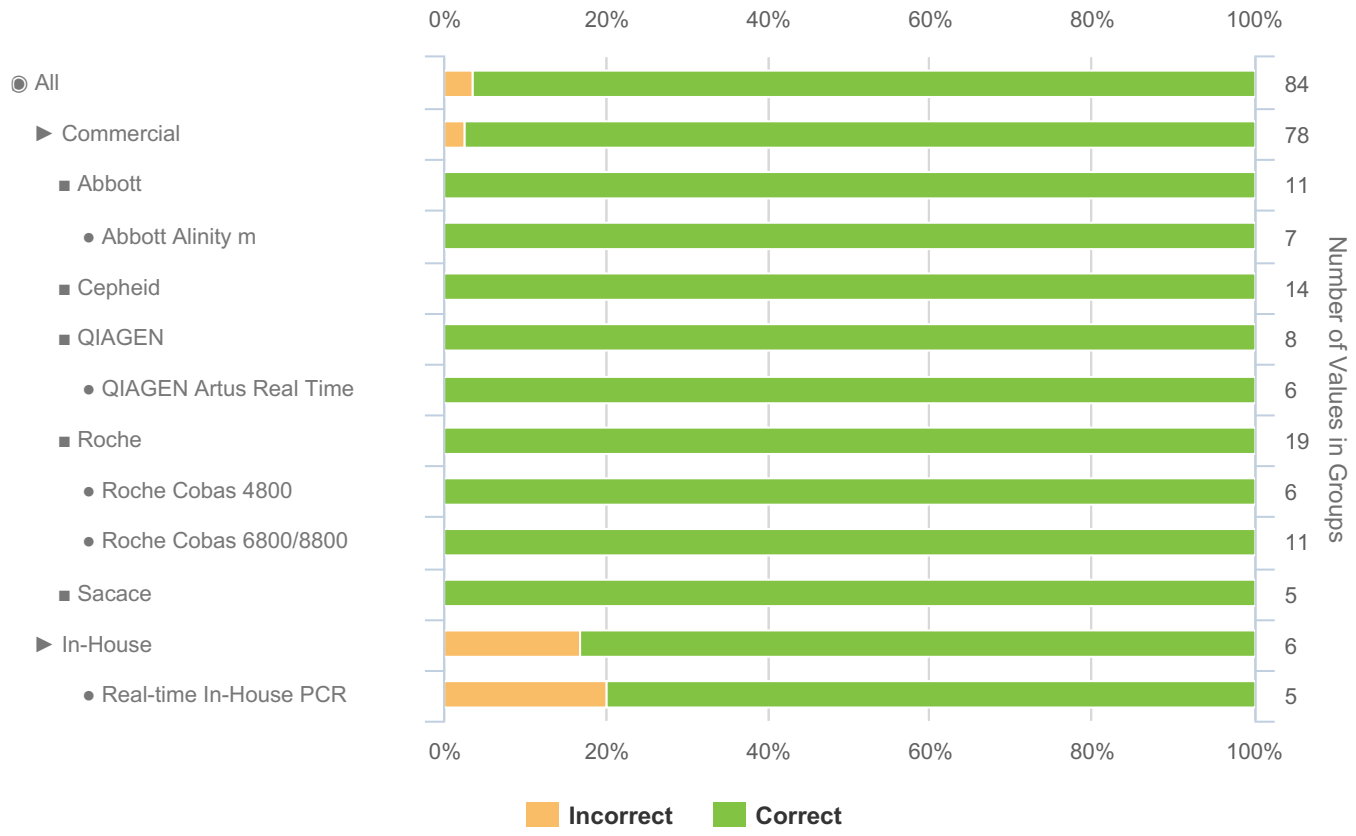
Groups below n=5: Abbott - Abbott RealTime m2000 (n=4), AmpliSens (n=2), AmpliSens - AmpliSens Real Time PCR (n=2), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), DNA-Tecnology (n=1), DNA-Tecnology - DNA-Technology RealTime PCR (n=1), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), GeneProof (n=4), GeneProof - GeneProof Real Time PCR kit (n=4), General Biologicals (n=1), General Biologicals - GB Real-Time PCR (n=1), Grifols (n=3), Grifols - Grifols Procleix Ultrio (n=3), Hologic (n=2), Hologic - Hologic Aptima (n=2), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Mylab Discovery solutions (n=2), Mylab Discovery solutions - Mylab PathoDetect (n=2), QIAGEN - Qiagen NeuMoDx (n=2), Roche - Roche Cobas Amplicor (n=1), Roche - Roche Cobas Taqman (n=1), Vector-Best (n=1), Vector-Best - Vector-Best Real Time PCR (n=1), In-House - Conventional In-House PCR (n=1)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=14), Sacace - Sacace Real TM (n=5)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994110	HBVDNA22	S	Qualitative and Quantitative	-	-/-/4751	-

HBVDNA22S-07 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	*(n)*
HBVDNA22S-07	HBV Negative	Plasma	-	Negative	CORE	96.4	84



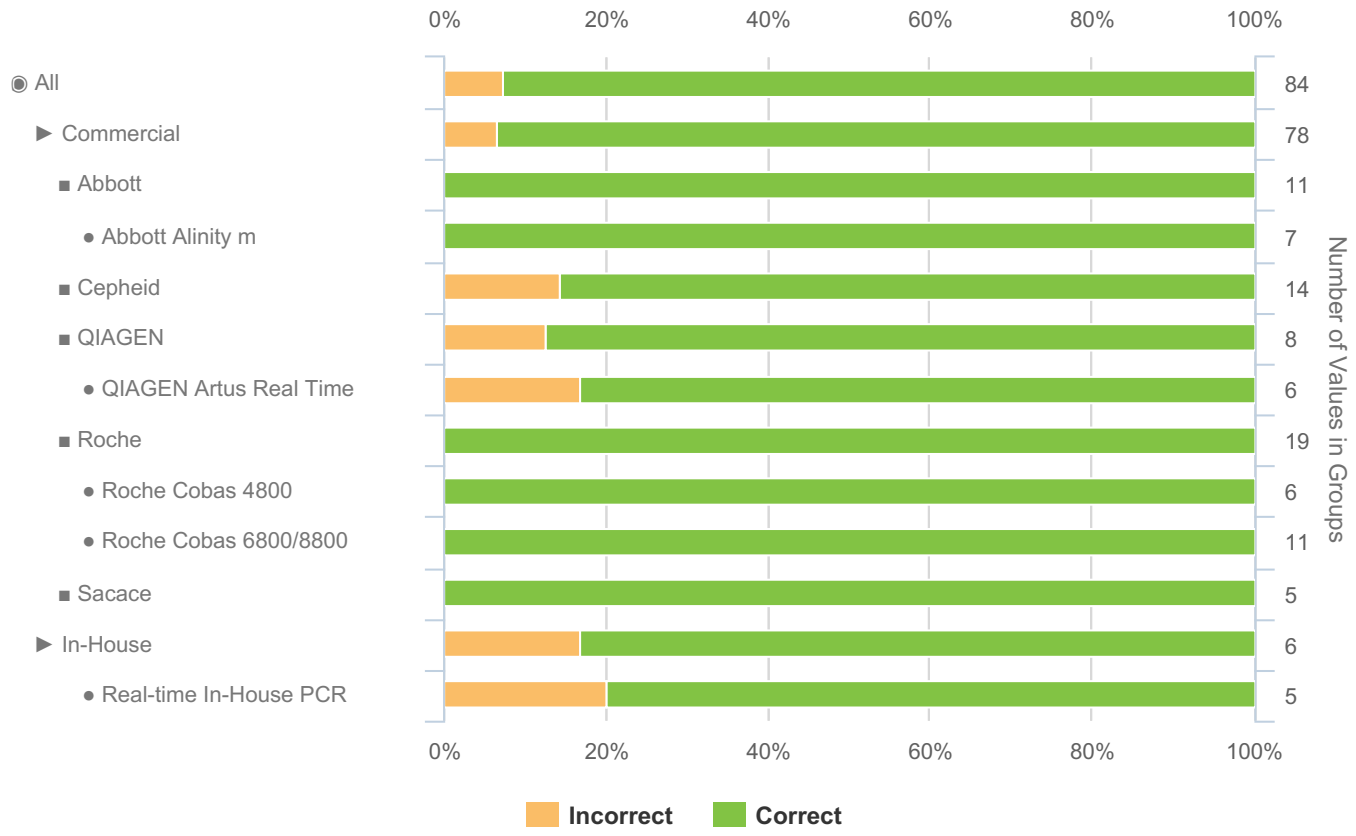
Groups below n=5: Abbott - Abbott RealTime m2000 (n=4), AmpliSens (n=2), AmpliSens - AmpliSens Real Time PCR (n=2), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), DNA-Tecnology (n=1), DNA-Tecnology - DNA-Technology RealTime PCR (n=1), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), GeneProof (n=4), GeneProof - GeneProof Real Time PCR kit (n=4), General Biologicals (n=1), General Biologicals - GB Real-Time PCR (n=1), Grifols (n=3), Grifols - Grifols Procleix Ultrio (n=3), Hologic (n=2), Hologic - Hologic Aptima (n=2), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Mylab Discovery solutions (n=2), Mylab Discovery solutions - Mylab PathoDetect (n=2), QIAGEN - Qiagen NeuMoDx (n=2), Roche - Roche Cobas Amplicor (n=1), Roche - Roche Cobas Taqman (n=1), Vector-Best (n=1), Vector-Best - Vector-Best Real Time PCR (n=1), In-House - Conventional In-House PCR (n=1)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=14), Sacace - Sacace Real TM (n=5)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994110	HBVDNA22	S	Qualitative and Quantitative	-	-/-/4751	-

HBVDNA22S-08 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	*(n)*
HBVDNA22S-08	HBV Type A	Plasma	-	Detected	CORE	92.9	84



Groups below n=5: Abbott - Abbott RealTime m2000 (n=4), AmpliSens (n=2), AmpliSens - AmpliSens Real Time PCR (n=2), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), DNA-Tecnology (n=1), DNA-Tecnology - DNA-Technology RealTime PCR (n=1), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), GeneProof (n=4), GeneProof - GeneProof Real Time PCR kit (n=4), General Biologicals (n=1), General Biologicals - GB Real-Time PCR (n=1), Grifols (n=3), Grifols - Grifols Procleix Ultrio (n=3), Hologic (n=2), Hologic - Hologic Aptima (n=2), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Mylab Discovery solutions (n=2), Mylab Discovery solutions - Mylab PathoDetect (n=2), QIAGEN - Qiagen NeuMoDx (n=2), Roche - Roche Cobas Amplicor (n=1), Roche - Roche Cobas Taqman (n=1), Vector-Best (n=1), Vector-Best - Vector-Best Real Time PCR (n=1), In-House - Conventional In-House PCR (n=1)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=14), Sacace - Sacace Real TM (n=5)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994110	HBVDNA22	S	Qualitative and Quantitative	-	-/-/4751	-

Individual Report	QCMD 2022 Hepatitis C Virus RNA EQA Programme	

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994112	HCVRNA22	S	Qualitative and Quantitative	-	-/-/4749	-

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_{10})	*(n)*	*(Log_{10})*	*(n)*
HCVRNA22S-01	HCV 3a	Plasma	DS2_1	Frequently Detected	CORE	3.089	130	N/A	4
HCVRNA22S-02	HCV Negative	Plasma	-	Negative	CORE	N/A	N/A	N/A	N/A
HCVRNA22S-03	HCV 1b	Plasma	-	Frequently Detected	CORE	3.114	130	N/A	4
HCVRNA22S-04	HCV 3a	Plasma	-	Detected	CORE	2.344	125	N/A	2
HCVRNA22S-05	HCV 1b	Plasma	D1	Frequently Detected	CORE	2.825	130	N/A	3
HCVRNA22S-06	HCV 3a	Plasma	DS2_2	Detected	CORE	2.119	122	N/A	3
HCVRNA22S-07	HCV 1b	Plasma	D1	Frequently Detected	CORE	2.846	130	N/A	3
HCVRNA22S-08	HCV 1b	Plasma	-	Detected	EDUCATIONAL	1.876	121	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_{10}) 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_{10}) 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.

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994112	HCVRNA22	S	Qualitative and Quantitative	-	-/-/4749	-

Your Summary Results

Units	IU/ml
EQA Assessment Group [1]	N/A
Core Panel Detection (Qualitative) Score [2]	N/A
Core Panel Estimation (Quantitative) Score [3]	N/A

Core Panel Members Results

Sample Code	Unitage	EQA Assessment Group Consensus [4]	SD [5]	Quantitative Result		Qualitative Result		
				Your Result [6]	Estimation Score [7]	Percentage Correct (All) [8]	Your Result [9]	Detection Score [10]
HCVRNA22S-01	IU/ml	-	-	-	-	-	-	-
HCVRNA22S-02	IU/ml	-	-	-	-	-	-	-
HCVRNA22S-03	IU/ml	-	-	-	-	-	-	-
HCVRNA22S-04	IU/ml	-	-	-	-	-	-	-
HCVRNA22S-05	IU/ml	-	-	-	-	-	-	-
HCVRNA22S-06	IU/ml	-	-	-	-	-	-	-
HCVRNA22S-07	IU/ml	-	-	-	-	-	-	-

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994112	HCVRNA22	S	Qualitative and Quantitative	-	-/-/4749	-

All quantitative values above expressed in Log_{10} IU/ml.

[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.

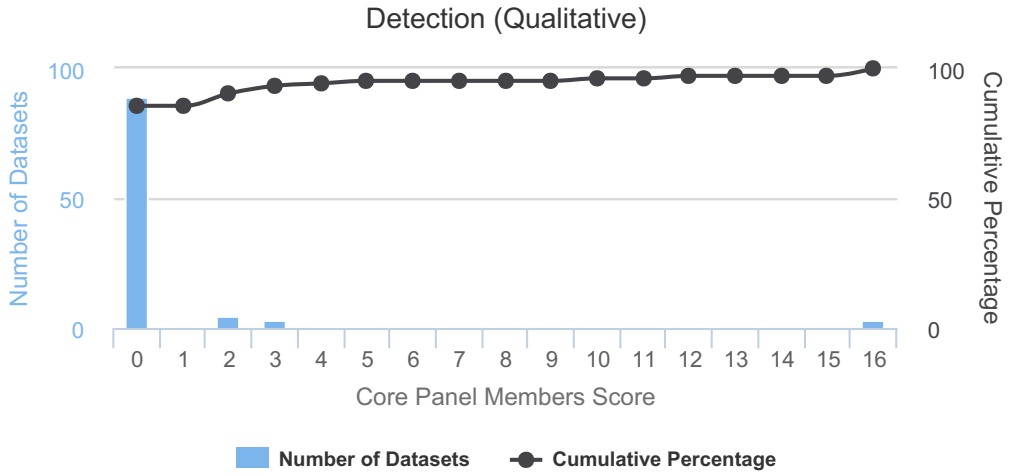
[8] **Percentage Correct (All):** Percentage of datasets (%) reporting the correct qualitative results for each panel member.

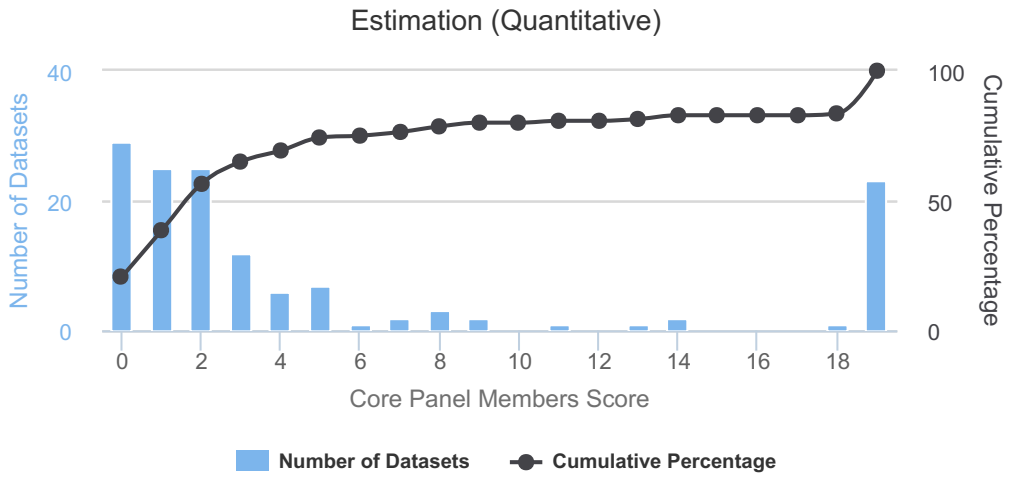
[9] **Your Qualitative Result:** The qualitative result you reported for each sample within this EQA challenge / distribution.

[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.

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.

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994112	HCVRNA22	S	Qualitative and Quantitative	-	-/-/4749	-

Educational Panel Members Results

Sample Code	Unitage	EQA Assessment Group Consensus [1]	SD [2]	Quantitative Result		Qualitative Result		
				Your Result [3]	Estimation Score [4]	Percentage Correct (All) [5]	Your Result [6]	Detection Score [7]
HCVRNA22S-08	IU/ml	-	-	-	-	-	-	-

All quantitative values above expressed in Log_{10} IU/ml.

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

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

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

[4] **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.

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

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

[7] **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.

Further Programme Details

Number of Participants	156
Number of Countries	40
Number of Respondents	146
Number of Datasets Submitted	154
Quantitative Results Returned (All)	140 (90.9%)
- Quantitative Results Returned (IU/ml)	136 (97.1%)
- Quantitative Results Returned (Copies/ml)	4 (2.9%)
Qualitative Results Returned	104 (67.5%)

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.

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994112	HCVRNA22	S	Qualitative and Quantitative	-	-/-/4749	-

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.

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

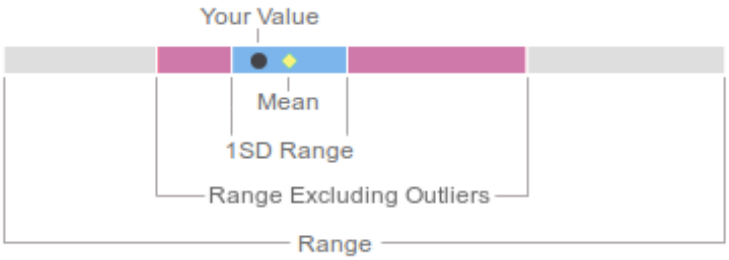
Individual Panel Member Analysis (Quantitative)

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.

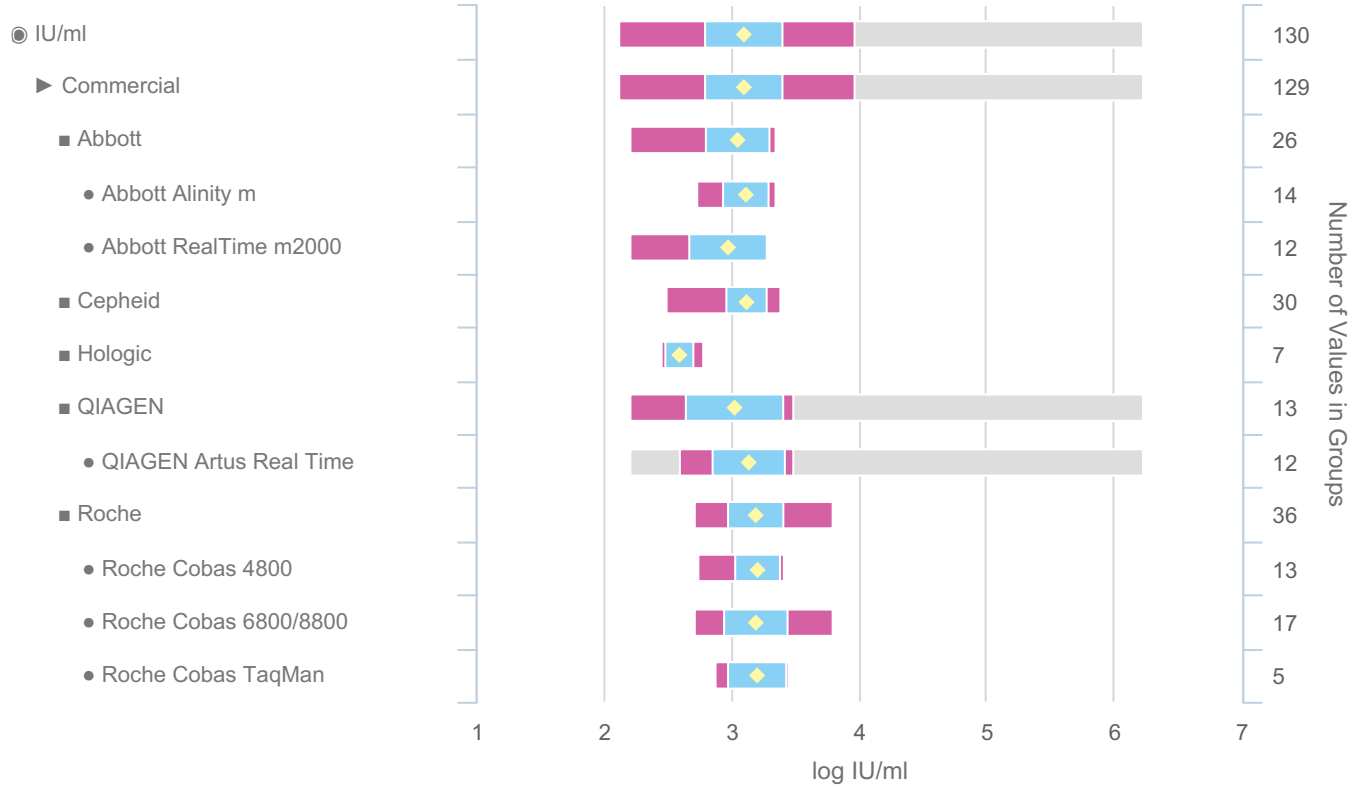
Key



Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994112	HCVRNA22	S	Qualitative and Quantitative	-	-/-/4749	-

HCVRNA22S-01 - Quantitative Results Breakdown (IU/ml)

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (IU/ml)		Range
						(Log$_{10}$)	*(n)*	
HCVRNA22S-01	HCV 3a	Plasma	DS2_1	Frequently Detected	CORE	3.089	130	2.111 - 6.221



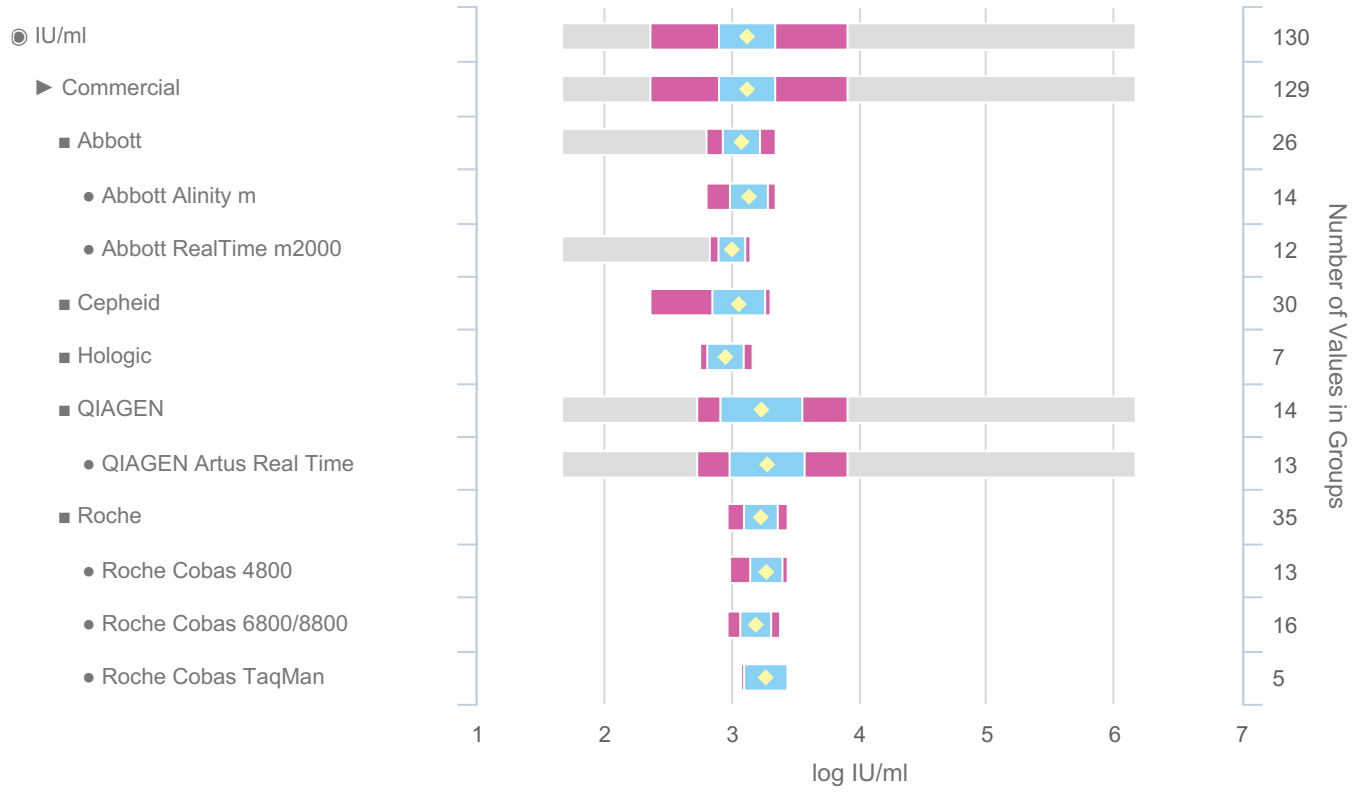
Groups below n=5: Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics AltoStar (n=1), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Mylab Discovery solutions (n=1), Mylab Discovery solutions - Mylab PathoDetect (n=1), QIAGEN - Qiagen NeuMoDx (n=1), RTA Laboratories (n=3), RTA Laboratories - RTA Laboratories Real time (n=3), RoboGene (n=1), RoboGene - RoboGene Real Time PCR (n=1), Roche - Roche Cobas Amplicor (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Vector-Best (n=1), Vector-Best - Vector-Best Real Time PCR (n=1), In-House (n=1), In-House - Real-time In-House PCR (n=1)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=30), Hologic - Hologic Aptima (n=7)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994112	HCVRNA22	S	Qualitative and Quantitative	-	-/-/4749	-

HCVRNA22S-03 - Quantitative Results Breakdown (IU/ml)

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (IU/ml)		Range
						(Log$_{10}$)	*(n)*	
HCVRNA22S-03	HCV 1b	Plasma	-	Frequently Detected	CORE	3.114	130	1.663 - 6.164



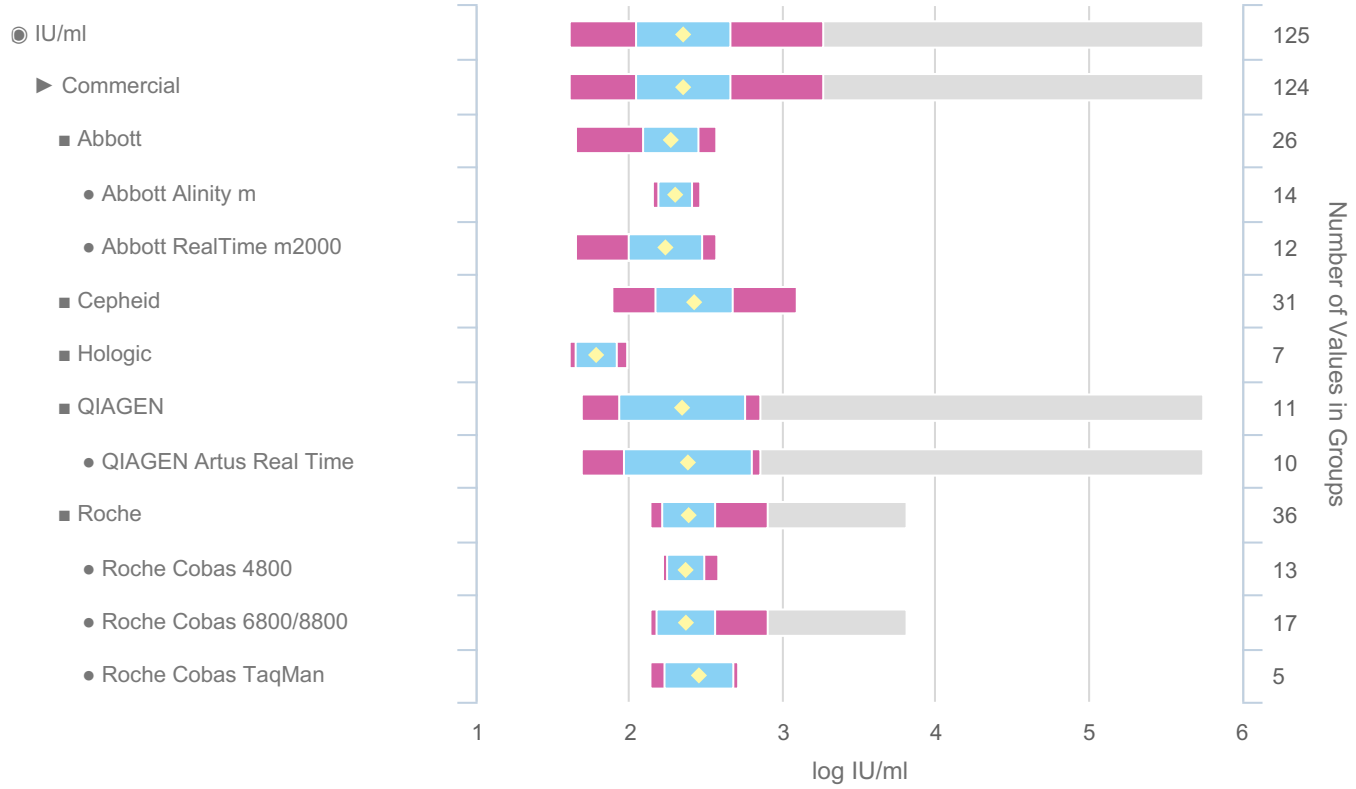
Groups below n=5: Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics AltoStar (n=1), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Mylab Discovery solutions (n=1), Mylab Discovery solutions - Mylab PathoDetect (n=1), QIAGEN - Qiagen NeuMoDx (n=1), RTA Laboratories (n=3), RTA Laboratories - RTA Laboratories Real time (n=3), RoboGene (n=1), RoboGene - RoboGene Real Time PCR (n=1), Roche - Roche Cobas Amplicor (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Vector-Best (n=1), Vector-Best - Vector-Best Real Time PCR (n=1), In-House (n=1), In-House - Real-time In-House PCR (n=1)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=30), Hologic - Hologic Aptima (n=7)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994112	HCVRNA22	S	Qualitative and Quantitative	-	-/-/4749	-

HCVRNA22S-04 - Quantitative Results Breakdown (IU/ml)

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (IU/ml)		Range
						(Log$_{10}$)	*(n)*	
HCVRNA22S-04	HCV 3a	Plasma	-	Detected	CORE	2.344	125	1.602 - 5.745



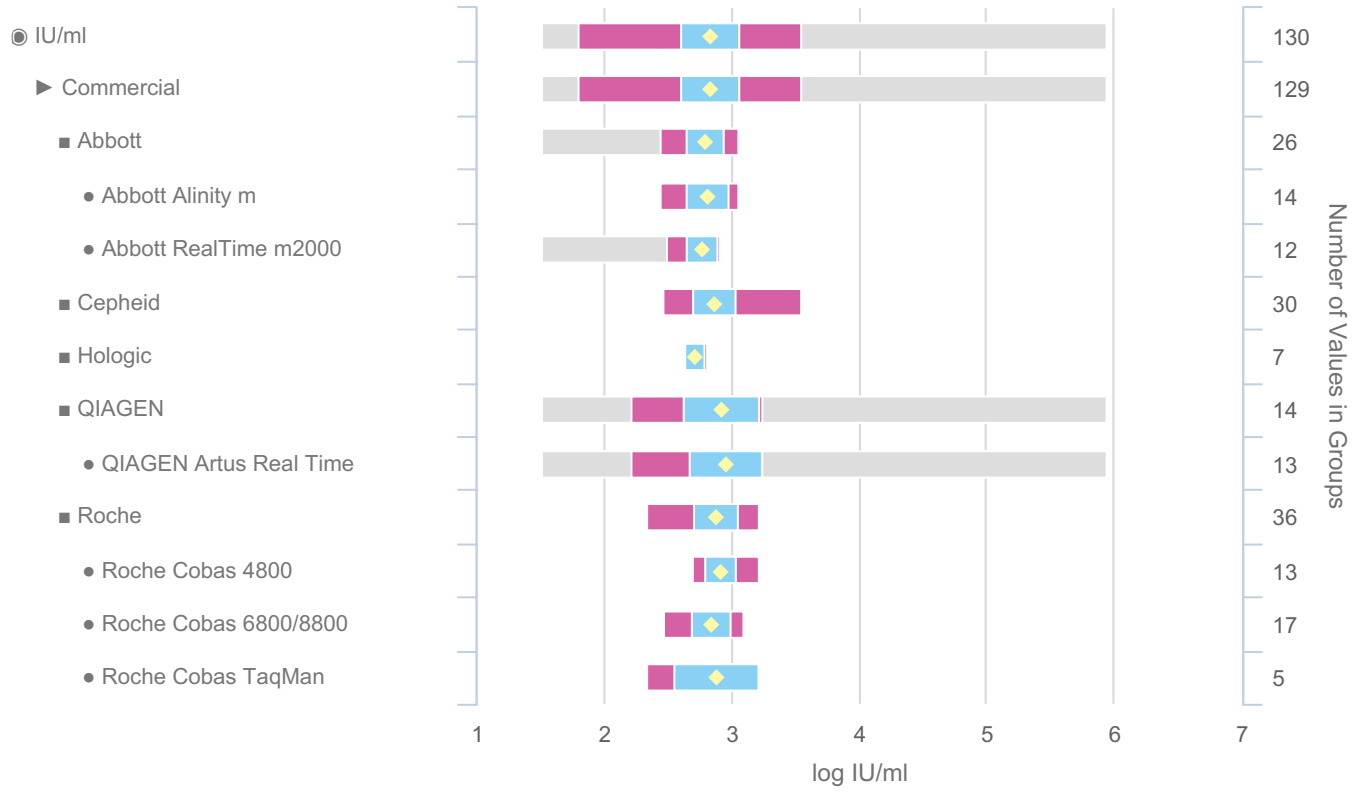
Groups below n=5: Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics AltoStar (n=1), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), GeneProof (n=1), GeneProof - GeneProof Real Time PCR kit (n=1), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Mylab Discovery solutions (n=1), Mylab Discovery solutions - Mylab PathoDetect (n=1), QIAGEN - Qiagen NeuMoDx (n=1), RTA Laboratories (n=3), RTA Laboratories - RTA Laboratories Real time (n=3), RoboGene (n=1), RoboGene - RoboGene Real Time PCR (n=1), Roche - Roche Cobas Amplicor (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=31), Hologic - Hologic Aptima (n=7)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994112	HCVRNA22	S	Qualitative and Quantitative	-	-/-/4749	-

HCVRNA22S-05 - Quantitative Results Breakdown (IU/ml)

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (IU/ml)		Range
						(Log$_{10}$)	*(n)*	
HCVRNA22S-05	HCV 1b	Plasma	D1	Frequently Detected	CORE	2.825	130	1.505 - 5.936



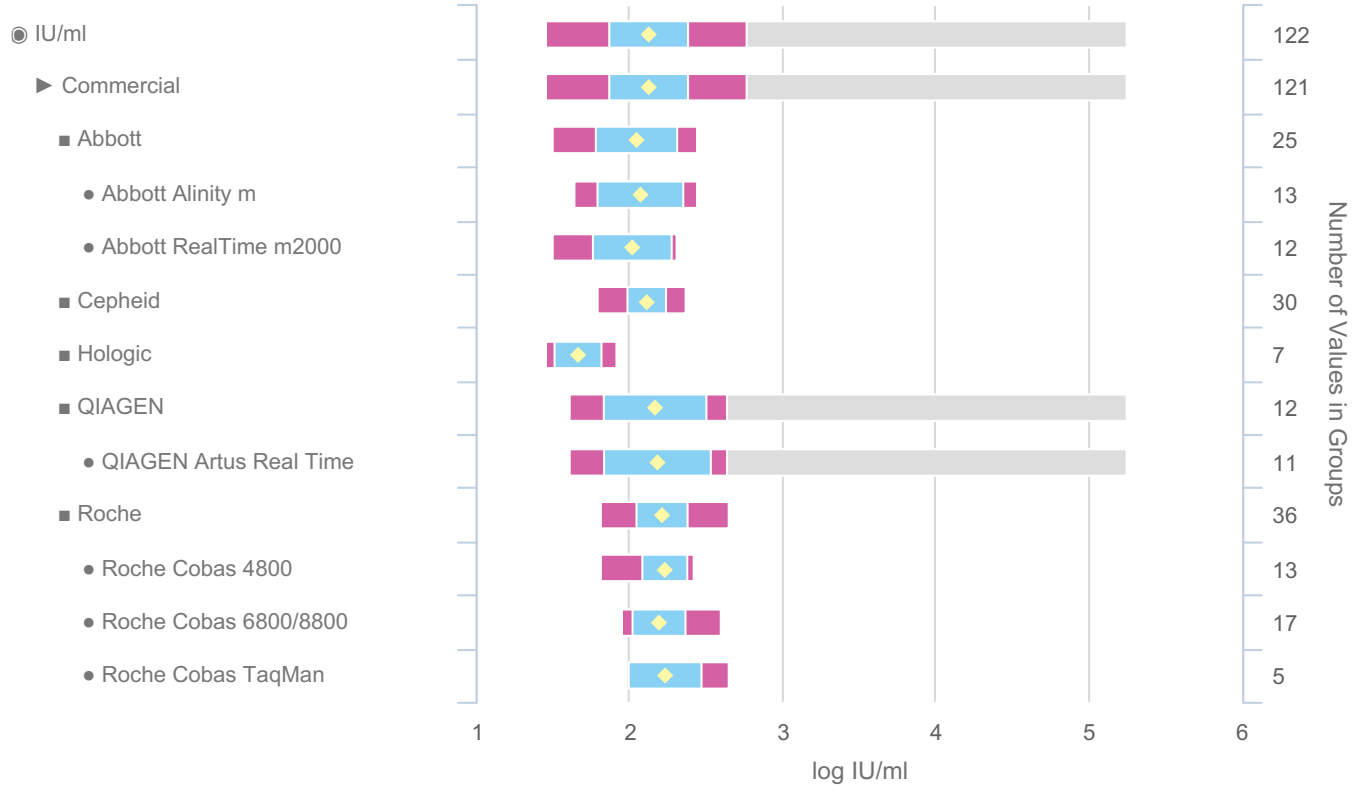
Groups below n=5: Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics AltoStar (n=1), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), GeneProof (n=2), GeneProof - GeneProof Real Time PCR kit (n=2), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Mylab Discovery solutions (n=1), Mylab Discovery solutions - Mylab PathoDetect (n=1), QIAGEN - Qiagen NeuMoDx (n=1), RTA Laboratories (n=3), RTA Laboratories - RTA Laboratories Real time (n=3), RoboGene (n=1), RoboGene - RoboGene Real Time PCR (n=1), Roche - Roche Cobas Amplicor (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Vector-Best (n=1), Vector-Best - Vector-Best Real Time PCR (n=1), In-House (n=1), In-House - Real-time In-House PCR (n=1)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=30), Hologic - Hologic Aptima (n=7)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994112	HCVRNA22	S	Qualitative and Quantitative	-	-/-/4749	-

HCVRNA22S-06 - Quantitative Results Breakdown (IU/ml)

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (IU/ml)		Range
						(Log$_{10}$)	*(n)*	
HCVRNA22S-06	HCV 3a	Plasma	DS2_2	Detected	CORE	2.119	122	1.447 - 5.244



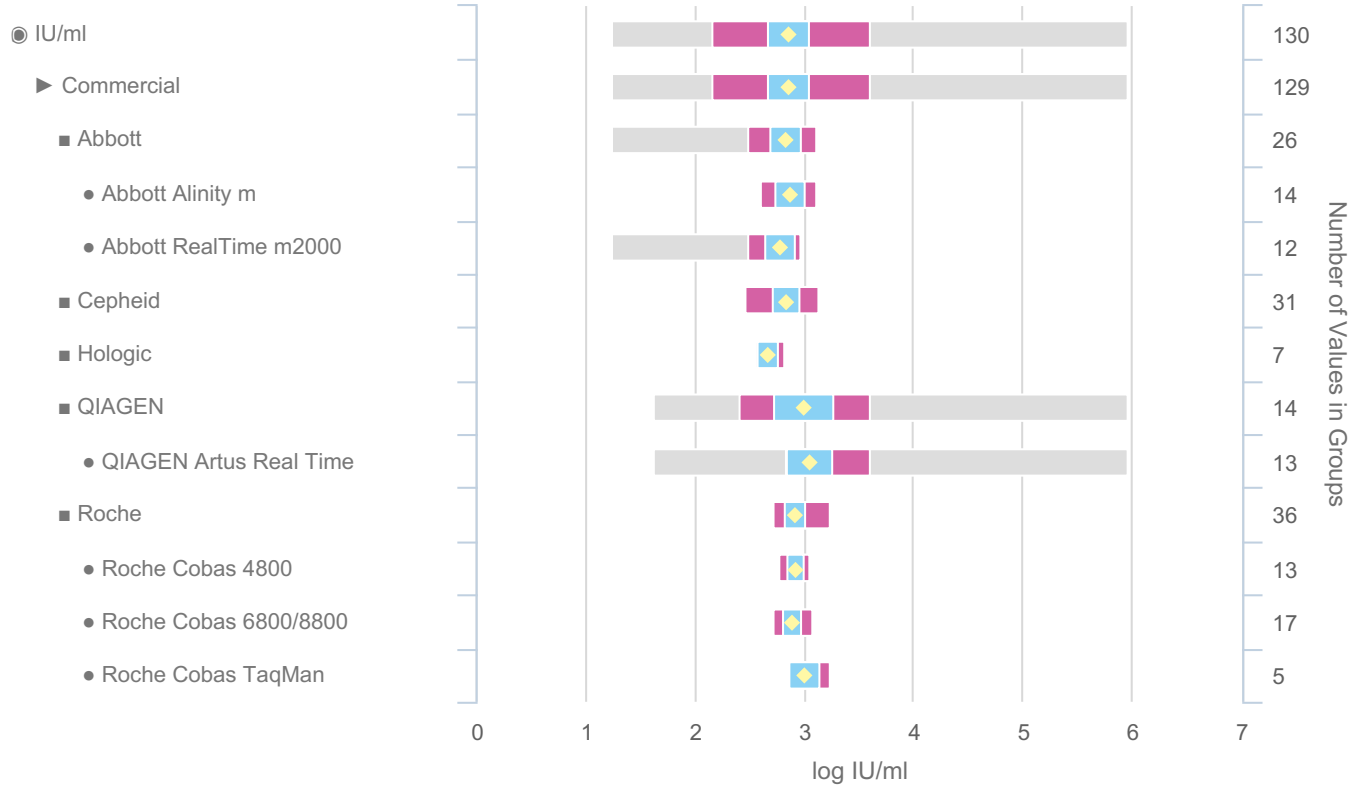
Groups below n=5: Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics AltoStar (n=1), Anatolia Geneworks (n=1), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=1), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), GeneProof (n=1), GeneProof - GeneProof Real Time PCR kit (n=1), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Mylab Discovery solutions (n=1), Mylab Discovery solutions - Mylab PathoDetect (n=1), QIAGEN - Qiagen NeuMoDx (n=1), RTA Laboratories (n=3), RTA Laboratories - RTA Laboratories Real time (n=3), RoboGene (n=1), RoboGene - RoboGene Real Time PCR (n=1), Roche - Roche Cobas Amplicor (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=30), Hologic - Hologic Aptima (n=7)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994112	HCVRNA22	S	Qualitative and Quantitative	-	-/-/4749	-

HCVRNA22S-07 - Quantitative Results Breakdown (IU/ml)

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (IU/ml)		Range
						(Log$_{10}$)	*(n)*	
HCVRNA22S-07	HCV 1b	Plasma	D1	Frequently Detected	CORE	2.846	130	1.230 - 5.951



Groups below n=5: Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics AltoStar (n=1), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), GeneProof (n=2), GeneProof - GeneProof Real Time PCR kit (n=2), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Mylab Discovery solutions (n=1), Mylab Discovery solutions - Mylab PathoDetect (n=1), QIAGEN - Qiagen NeuMoDx (n=1), RTA Laboratories (n=3), RTA Laboratories - RTA Laboratories Real time (n=3), RoboGene (n=1), RoboGene - RoboGene Real Time PCR (n=1), Roche - Roche Cobas Amplicor (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Vector-Best (n=1), Vector-Best - Vector-Best Real Time PCR (n=1), In-House (n=1), In-House - Real-time In-House PCR (n=1)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=31), Hologic - Hologic Aptima (n=7)

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.

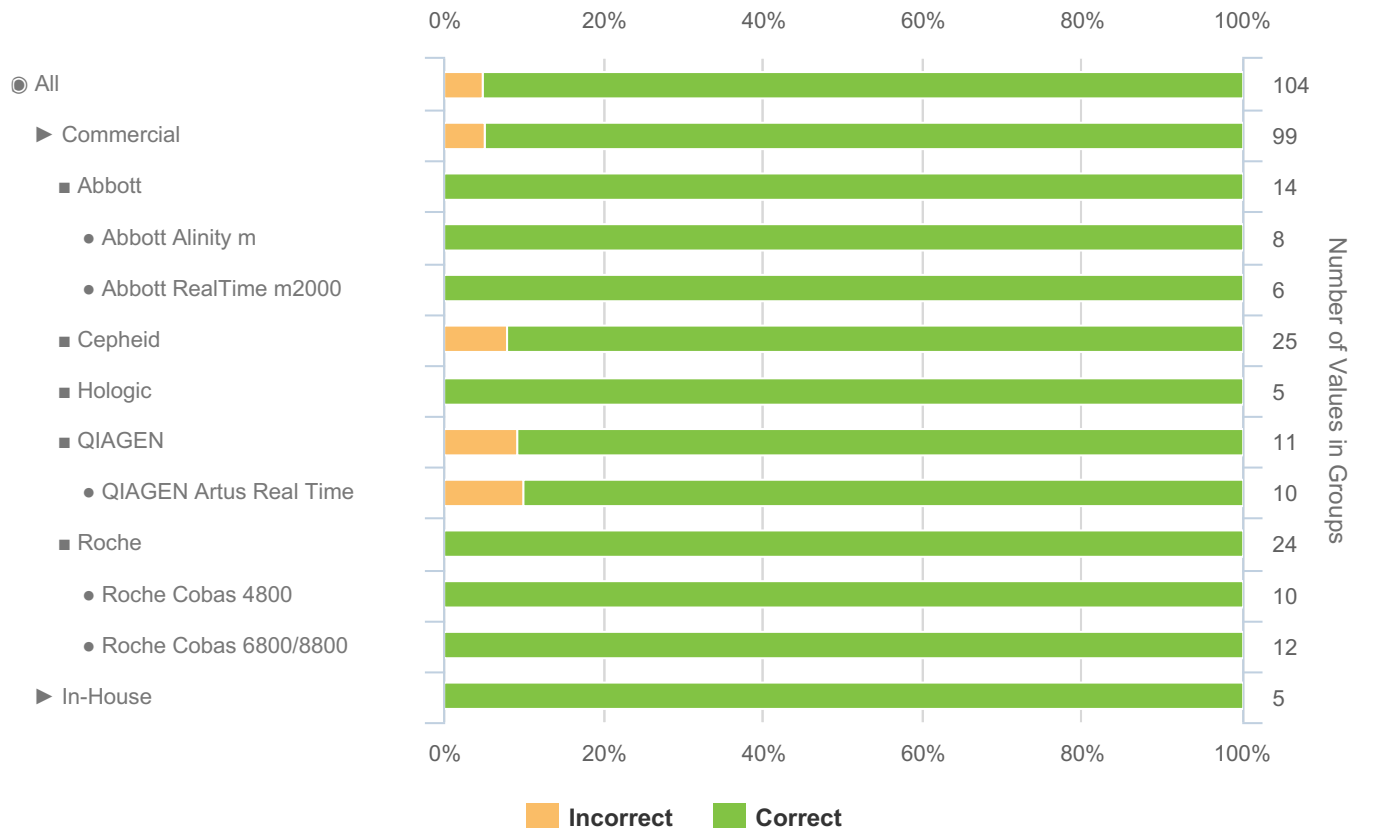
To allow meaningful assessment at the individual method level the EQA assessment group must consist of 5 or more datasets. If there are not sufficient datasets at the individual method level then your results will be included within a higher EQA assessment group based on whether it is a commercial or 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.

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994112	HCVRNA22	S	Qualitative and Quantitative	-	-/-/4749	-

HCVRNA22S-01 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	*(n)*
HCVRNA22S-01	HCV 3a	Plasma	DS2_1	Frequently Detected	CORE	95.2	104



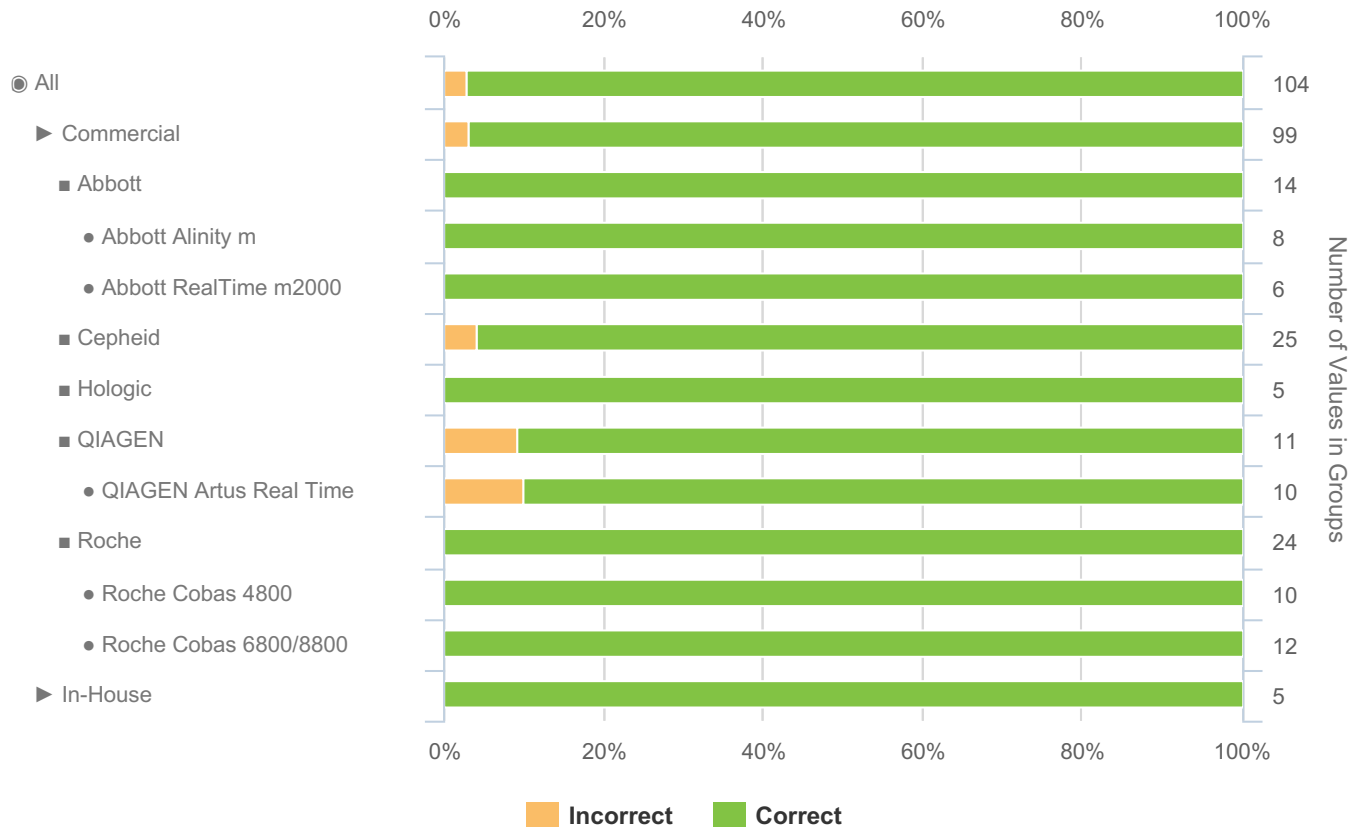
Groups below n=5: AmpliSens (n=3), AmpliSens - AmpliSens Real Time PCR (n=3), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), ELITech Group (n=2), ELITech Group - Elitech Elite Real Time kit (n=2), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Grifols (n=3), Grifols - Grifols Procleix Ultrio (n=3), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Mylab Discovery solutions (n=1), Mylab Discovery solutions - Mylab PathoDetect (n=1), QIAGEN - Qiagen NeuMoDx (n=1), RTA Laboratories (n=2), RTA Laboratories - RTA Laboratories Real time (n=2), Roche - Roche Cobas Amplicor (n=1), Roche - Roche Cobas TaqMan (n=1), Sacace (n=2), Sacace - Sacace Real TM (n=2), Vector-Best (n=1), Vector-Best - Vector-Best Real Time PCR (n=1), In-House - Conventional In-House PCR (n=1), In-House - Real-time In-House PCR (n=4)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=25), Hologic - Hologic Aptima (n=5)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994112	HCVRNA22	S	Qualitative and Quantitative	-	-/-/4749	-

HCVRNA22S-02 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	*(n)*
HCVRNA22S-02	HCV Negative	Plasma	-	Negative	CORE	97.1	104



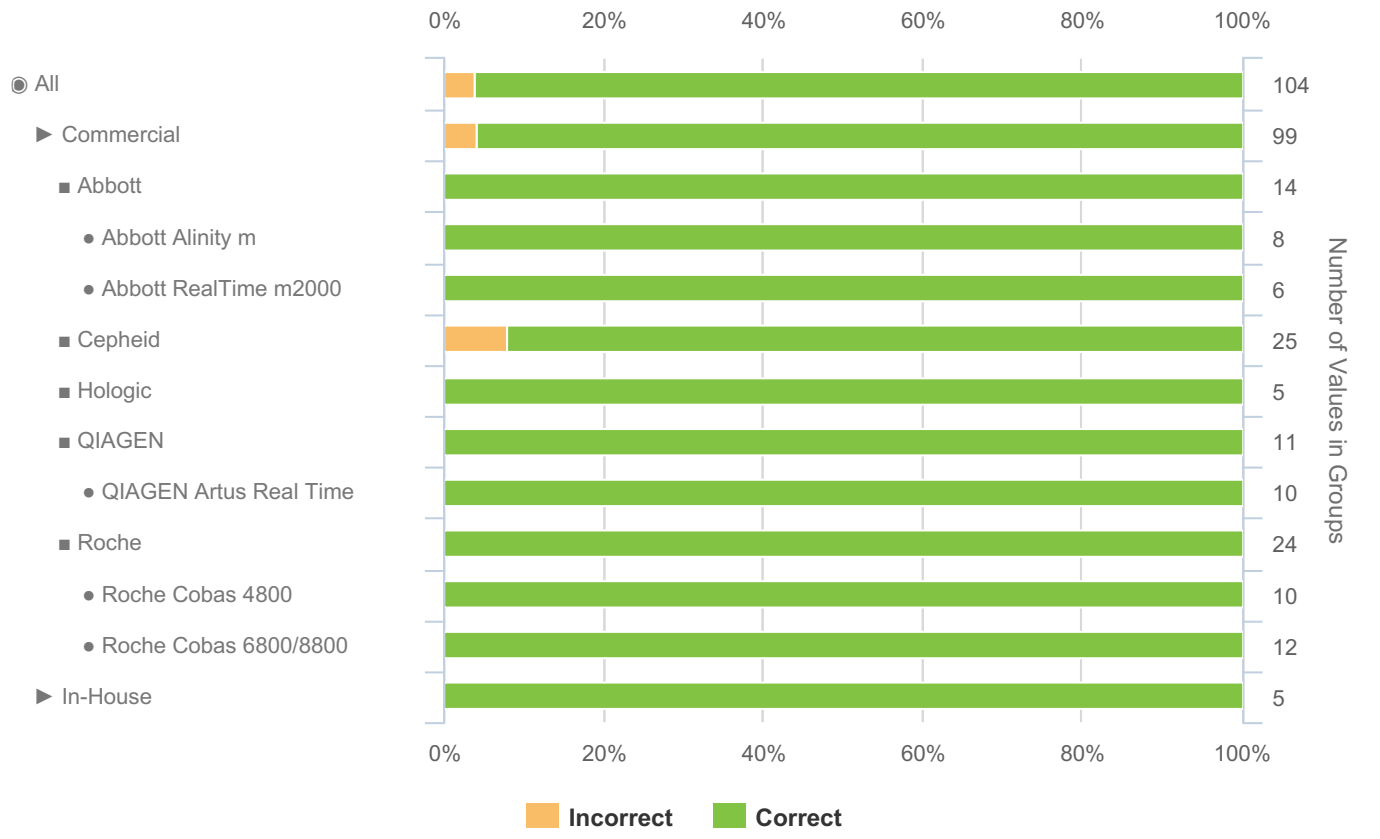
Groups below n=5: AmpliSens (n=3), AmpliSens - AmpliSens Real Time PCR (n=3), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), ELITech Group (n=2), ELITech Group - Elitech Elite Real Time kit (n=2), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Grifols (n=3), Grifols - Grifols Procleix Ultrio (n=3), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Mylab Discovery solutions (n=1), Mylab Discovery solutions - Mylab PathoDetect (n=1), QIAGEN - Qiagen NeuMoDx (n=1), RTA Laboratories (n=2), RTA Laboratories - RTA Laboratories Real time (n=2), Roche - Roche Cobas Amplicor (n=1), Roche - Roche Cobas TaqMan (n=1), Sacace (n=2), Sacace - Sacace Real TM (n=2), Vector-Best (n=1), Vector-Best - Vector-Best Real Time PCR (n=1), In-House - Conventional In-House PCR (n=1), In-House - Real-time In-House PCR (n=4)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=25), Hologic - Hologic Aptima (n=5)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994112	HCVRNA22	S	Qualitative and Quantitative	-	-/-/4749	-

HCVRNA22S-03 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	*(n)*
HCVRNA22S-03	HCV 1b	Plasma	-	Frequently Detected	CORE	96.2	104

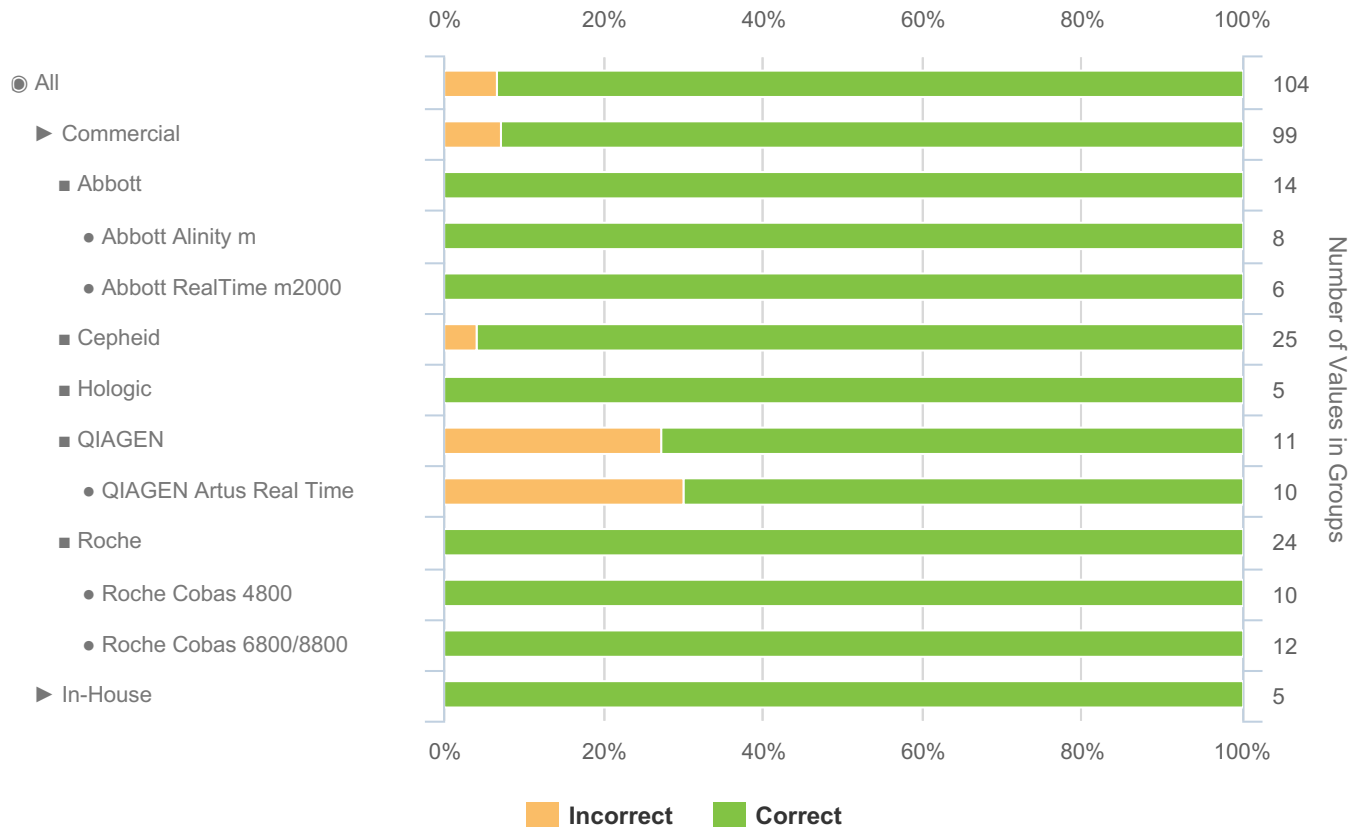


Groups below n=5: AmpliSens (n=3), AmpliSens - AmpliSens Real Time PCR (n=3), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), ELITech Group (n=2), ELITech Group - Elitech Elite Real Time kit (n=2), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Grifols (n=3), Grifols - Grifols Procleix Ultrio (n=3), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Mylab Discovery solutions (n=1), Mylab Discovery solutions - Mylab PathoDetect (n=1), QIAGEN - Qiagen NeuMoDx (n=1), RTA Laboratories (n=2), RTA Laboratories - RTA Laboratories Real time (n=2), Roche - Roche Cobas Amplicor (n=1), Roche - Roche Cobas TaqMan (n=1), Sacace (n=2), Sacace - Sacace Real TM (n=2), Vector-Best (n=1), Vector-Best - Vector-Best Real Time PCR (n=1), In-House - Conventional In-House PCR (n=1), In-House - Real-time In-House PCR (n=4)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=25), Hologic - Hologic Aptima (n=5)

HCVRNA22S-04 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	*(n)*
HCVRNA22S-04	HCV 3a	Plasma	-	Detected	CORE	93.3	104



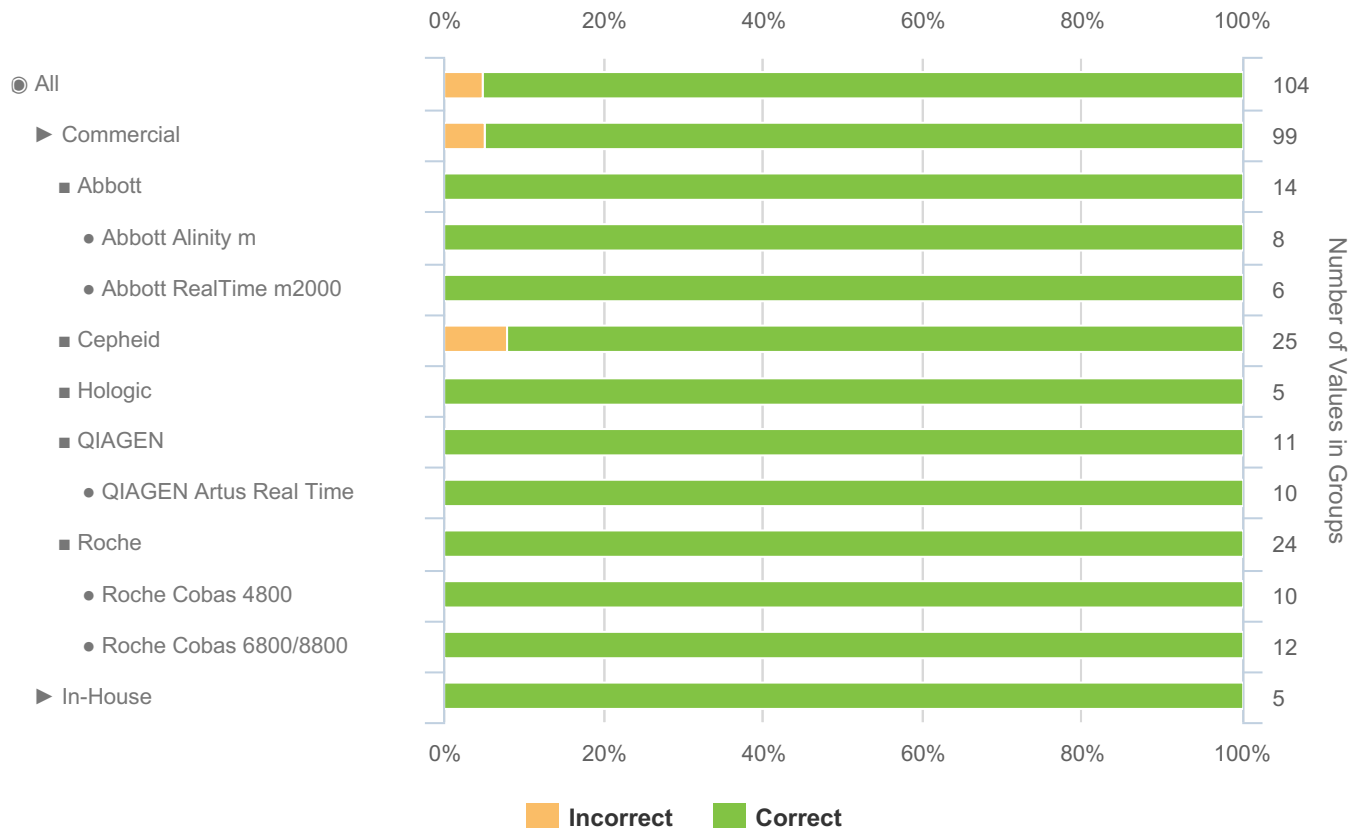
Groups below n=5: AmpliSens (n=3), AmpliSens - AmpliSens Real Time PCR (n=3), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), ELITech Group (n=2), ELITech Group - Elitech Elite Real Time kit (n=2), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Grifols (n=3), Grifols - Grifols Procleix Ultrio (n=3), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Mylab Discovery solutions (n=1), Mylab Discovery solutions - Mylab PathoDetect (n=1), QIAGEN - Qiagen NeuMoDx (n=1), RTA Laboratories (n=2), RTA Laboratories - RTA Laboratories Real time (n=2), Roche - Roche Cobas Amplicor (n=1), Roche - Roche Cobas TaqMan (n=1), Sacace (n=2), Sacace - Sacace Real TM (n=2), Vector-Best (n=1), Vector-Best - Vector-Best Real Time PCR (n=1), In-House - Conventional In-House PCR (n=1), In-House - Real-time In-House PCR (n=4)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=25), Hologic - Hologic Aptima (n=5)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994112	HCVRNA22	S	Qualitative and Quantitative	-	-/-/4749	-

HCVRNA22S-05 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	*(n)*
HCVRNA22S-05	HCV 1b	Plasma	D1	Frequently Detected	CORE	95.2	104

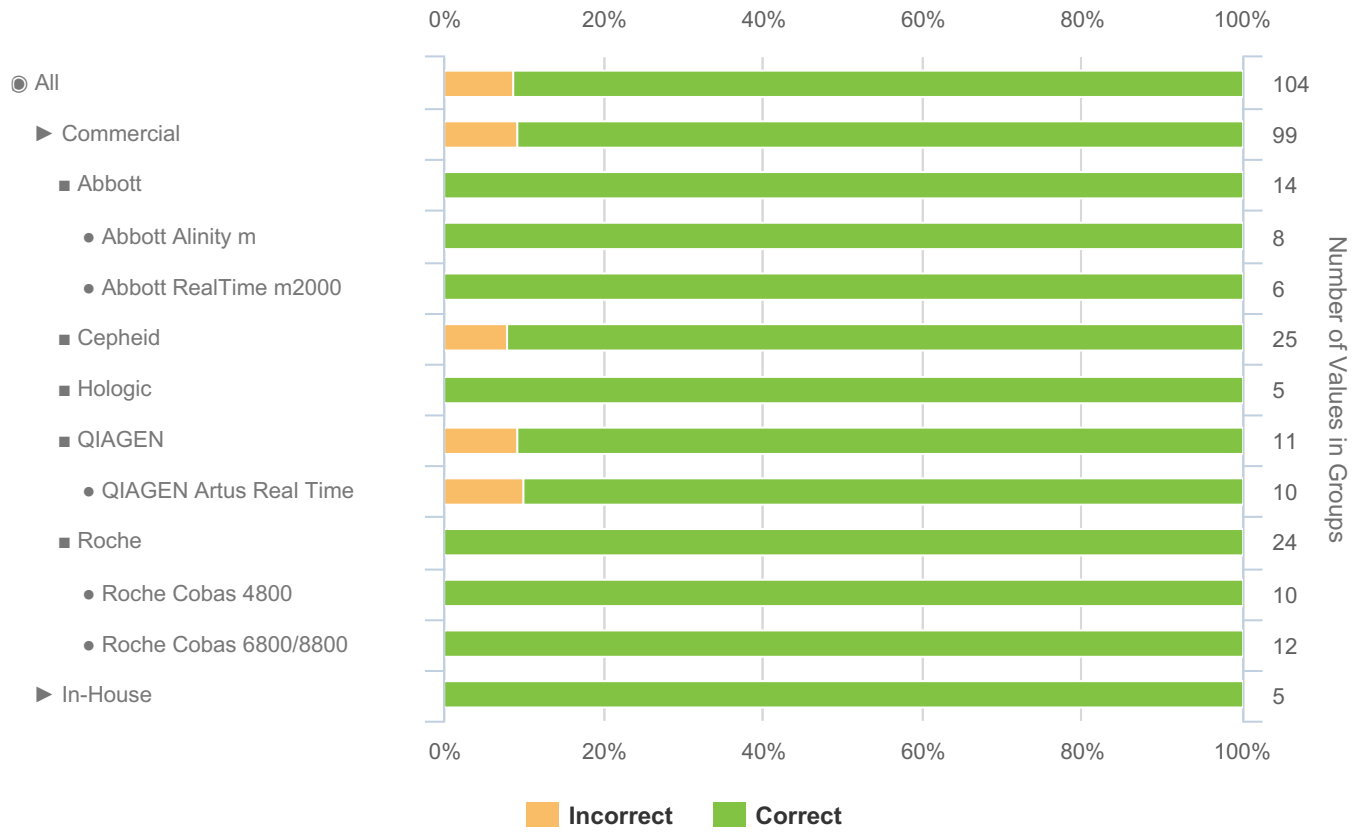


Groups below n=5: AmpliSens (n=3), AmpliSens - AmpliSens Real Time PCR (n=3), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), ELITech Group (n=2), ELITech Group - Elitech Elite Real Time kit (n=2), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Grifols (n=3), Grifols - Grifols Procleix Ultrio (n=3), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Mylab Discovery solutions (n=1), Mylab Discovery solutions - Mylab PathoDetect (n=1), QIAGEN - Qiagen NeuMoDx (n=1), RTA Laboratories (n=2), RTA Laboratories - RTA Laboratories Real time (n=2), Roche - Roche Cobas Amplicor (n=1), Roche - Roche Cobas TaqMan (n=1), Sacace (n=2), Sacace - Sacace Real TM (n=2), Vector-Best (n=1), Vector-Best - Vector-Best Real Time PCR (n=1), In-House - Conventional In-House PCR (n=1), In-House - Real-time In-House PCR (n=4)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=25), Hologic - Hologic Aptima (n=5)

HCVRNA22S-06 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	*(n)*
HCVRNA22S-06	HCV 3a	Plasma	DS2_2	Detected	CORE	91.3	104



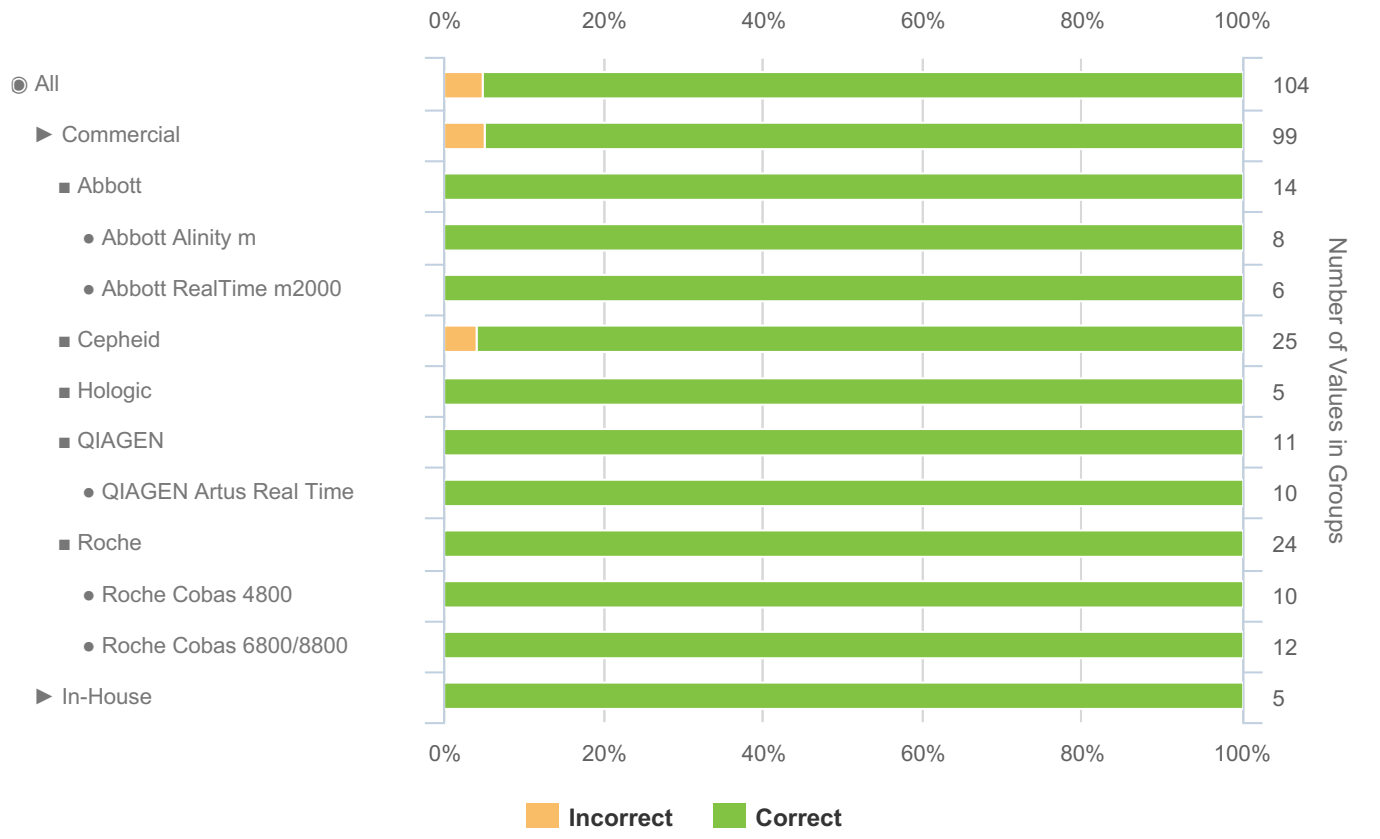
Groups below n=5: AmpliSens (n=3), AmpliSens - AmpliSens Real Time PCR (n=3), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), ELITech Group (n=2), ELITech Group - Elitech Elite Real Time kit (n=2), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Grifols (n=3), Grifols - Grifols Procleix Ultrio (n=3), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Mylab Discovery solutions (n=1), Mylab Discovery solutions - Mylab PathoDetect (n=1), QIAGEN - Qiagen NeuMoDx (n=1), RTA Laboratories (n=2), RTA Laboratories - RTA Laboratories Real time (n=2), Roche - Roche Cobas Amplicor (n=1), Roche - Roche Cobas TaqMan (n=1), Sacace (n=2), Sacace - Sacace Real TM (n=2), Vector-Best (n=1), Vector-Best - Vector-Best Real Time PCR (n=1), In-House - Conventional In-House PCR (n=1), In-House - Real-time In-House PCR (n=4)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=25), Hologic - Hologic Aptima (n=5)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994112	HCVRNA22	S	Qualitative and Quantitative	-	-/-/4749	-

HCVRNA22S-07 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	*(n)*
HCVRNA22S-07	HCV 1b	Plasma	D1	Frequently Detected	CORE	95.2	104



Groups below n=5: AmpliSens (n=3), AmpliSens - AmpliSens Real Time PCR (n=3), 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=3), Grifols - Grifols Procleix Ultrio (n=3), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Mylab Discovery solutions (n=1), Mylab Discovery solutions - Mylab PathoDetect (n=1), QIAGEN - Qiagen NeuMoDx (n=1), RTA Laboratories (n=2), RTA Laboratories - RTA Laboratories Real time (n=2), Roche - Roche Cobas Amplicor (n=1), Roche - Roche Cobas TaqMan (n=1), Sacace (n=2), Sacace - Sacace Real TM (n=2), Vector-Best (n=1), Vector-Best - Vector-Best Real Time PCR (n=1), In-House - Conventional In-House PCR (n=1), In-House - Real-time In-House PCR (n=4)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=25), Hologic - Hologic Aptima (n=5)

Additional Educational Samples Information

The following section has been categorised as shown below:

Educational ► Quantitative ► IU/ml ► Qualitative

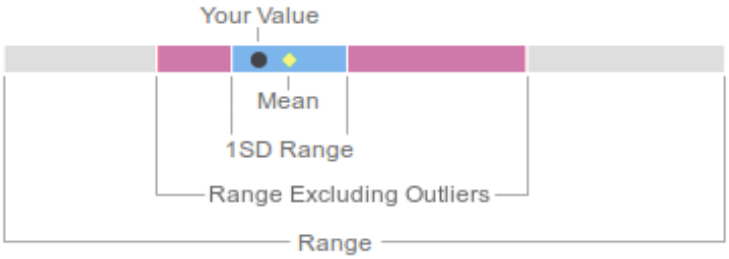
Individual Panel Member Analysis (Quantitative)

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.

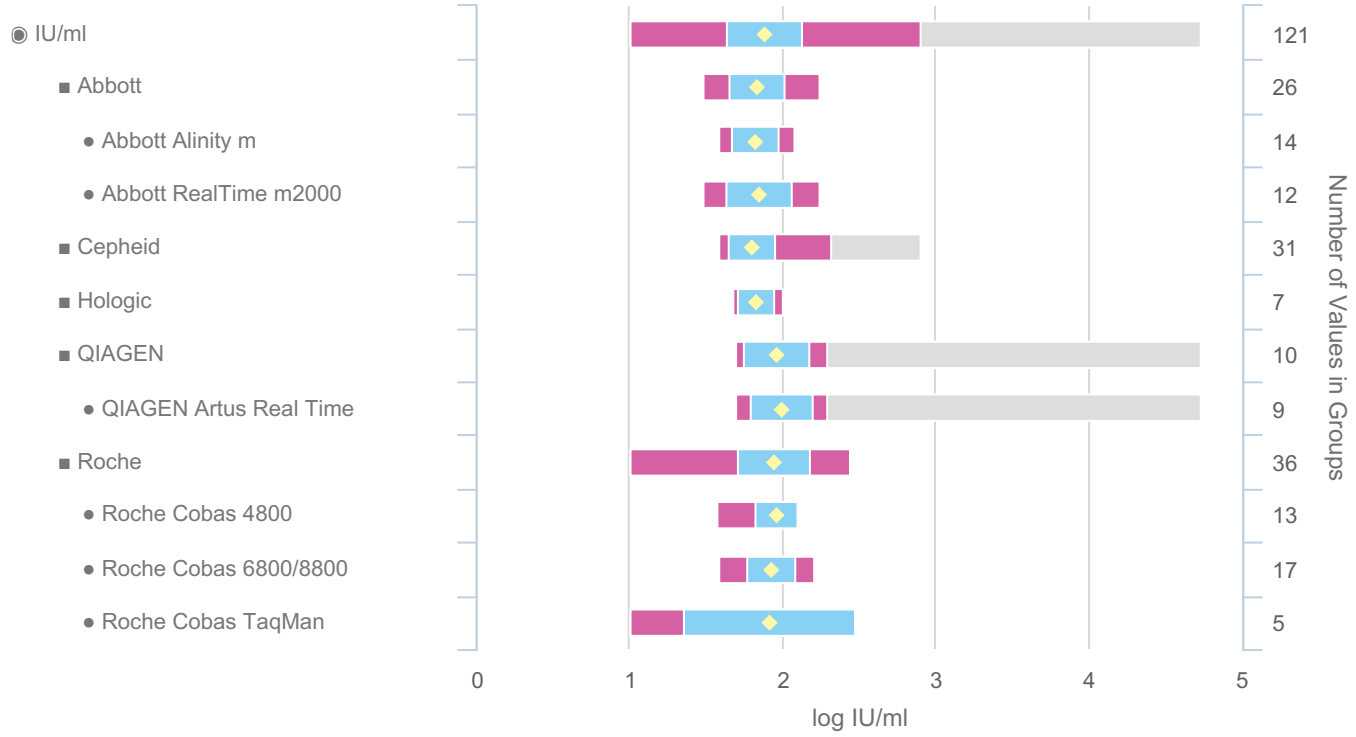
Key



Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994112	HCVRNA22	S	Qualitative and Quantitative	-	-/-/4749	-

HCVRNA22S-08 - Quantitative Results Breakdown (IU/ml)

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (IU/ml)		Range
						(Log$_{10}$)	*(n)*	
HCVRNA22S-08	HCV 1b	Plasma	-	Detected	EDUCATIONAL	1.876	121	1.000 - 4.729



Groups below n=5: Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics AltoStar (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), QIAGEN - Qiagen NeuMoDx (n=1), RTA Laboratories (n=2), RTA Laboratories - RTA Laboratories Real time (n=2), RoboGene (n=1), RoboGene - RoboGene Real Time PCR (n=1), Roche - Roche Cobas Amplicor (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1)

Groups Rolled Up: Commercial (n=121), Cepheid - Cepheid Xpert kit (n=31), Hologic - Hologic Aptima (n=7)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994112	HCVRNA22	S	Qualitative and Quantitative	-	-/-/4749	-

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.

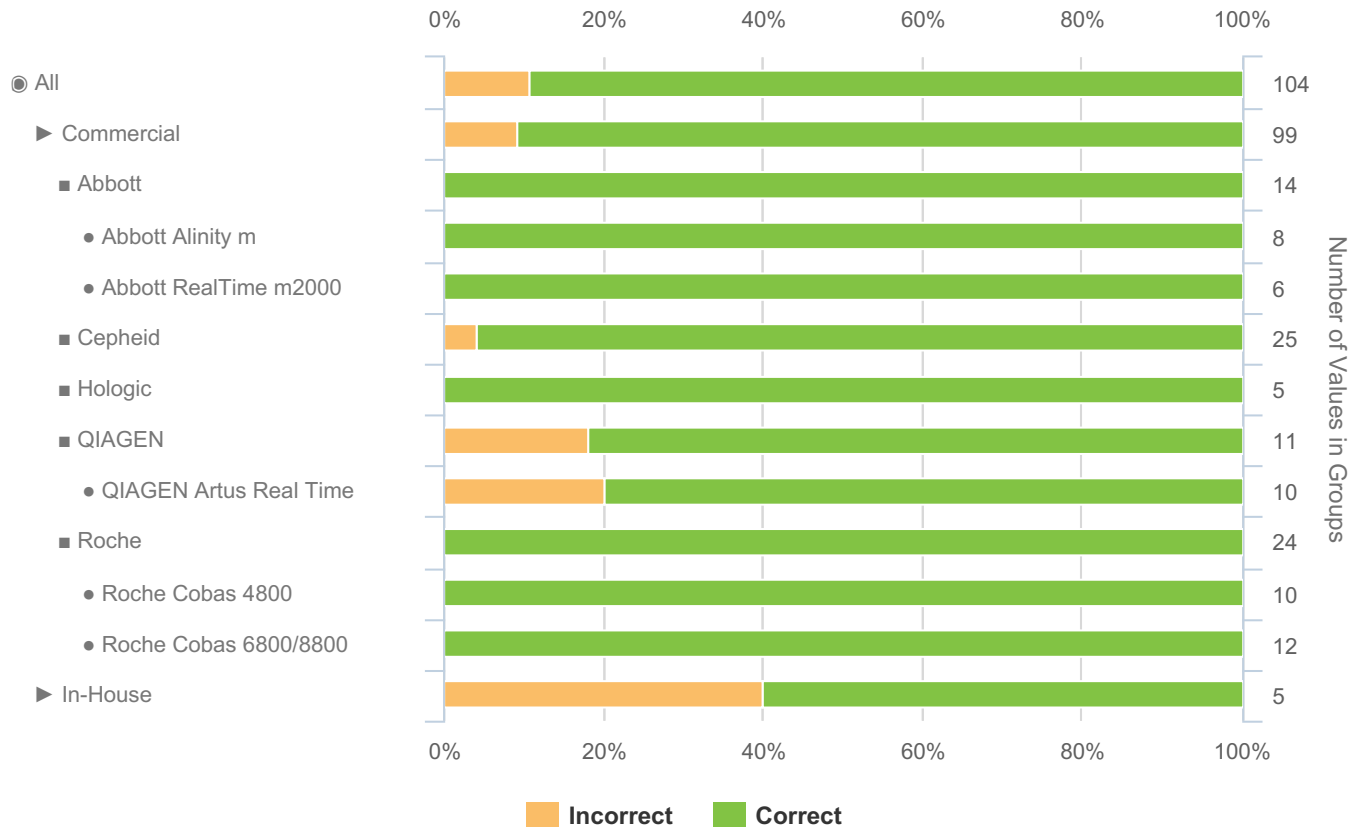
To allow meaningful assessment at the individual method level the EQA assessment group must consist of 5 or more datasets. If there are not sufficient datasets at the individual method level then your results will be included within a higher EQA assessment group based on whether it is a commercial or 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.

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994112	HCVRNA22	S	Qualitative and Quantitative	-	-/-/4749	-

HCVRNA22S-08 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	*(n)*
HCVRNA22S-08	HCV 1b	Plasma	-	Detected	EDUCATIONAL	89.4	104



Groups below n=5: AmpliSens (n=3), AmpliSens - AmpliSens Real Time PCR (n=3), 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=3), Grifols - Grifols Procleix Ultrio (n=3), Iontek (n=1), Iontek - Iontek Fluorion (n=1), Mylab Discovery solutions (n=1), Mylab Discovery solutions - Mylab PathoDetect (n=1), QIAGEN - Qiagen NeuMoDx (n=1), RTA Laboratories (n=2), RTA Laboratories - RTA Laboratories Real time (n=2), Roche - Roche Cobas Amplicor (n=1), Roche - Roche Cobas TaqMan (n=1), Sacace (n=2), Sacace - Sacace Real TM (n=2), Vector-Best (n=1), Vector-Best - Vector-Best Real Time PCR (n=1), In-House - Conventional In-House PCR (n=1), In-House - Real-time In-House PCR (n=4)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=25), Hologic - Hologic Aptima (n=5)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV994112	HCVRNA22	S	Qualitative and Quantitative	-	-/-/4749	-