Individual Report	QCMD 2022 Epstein-Barr virus DNA EQA Programme

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV024121	EBVDNA22	C2	Qualitative and Quantitative	593505	2677/593505/5019	CZ023

Intended Results / Panel Composition

Sample Code	Sample Content	Matrix	Sample Relationships [1]	Detection Frequency [2]	Sample Status [3]	Consensus (All) [4]		Range [5]
						(Log_{10})	*(n)*	
EBVDNA22C2-01	Epstein-Barr virus	Plasma	DS2_1	Frequently Detected	CORE	N/A	N/A	N/A
EBVDNA22C2-02	Epstein-Barr virus	Plasma	D1, DS1_1	Frequently Detected	CORE	N/A	N/A	N/A
EBVDNA22C2-03	Epstein-Barr virus	Plasma	D1, DS1_1	Frequently Detected	CORE	N/A	N/A	N/A
EBVDNA22C2-04	Epstein-Barr virus	Plasma	DS2_2	Frequently Detected	EDUCATIONAL	N/A	N/A	N/A
EBVDNA22C2-05	Epstein-Barr virus	Plasma	DS1_2	Detected	EDUCATIONAL	N/A	N/A	N/A

[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 (All):** 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] **Range:** Maximum and minimum quantitative value (All) reported by participants within this challenge without outliers removed.
For further details please refer to the current participant manual.

Your Summary Results

Units	N/A
EQA Assessment Group [1]	GeneProof Real Time PCR kit
Core Panel Detection (Qualitative) Score [2]	0
Core Panel Estimation (Quantitative) Score [3]	N/A

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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]
EBVDNA22C2-01	N/A	-	-	-	-	98.2	Positive	0
EBVDNA22C2-02	N/A	-	-	-	-	99.1	Positive	0
EBVDNA22C2-03	N/A	-	-	-	-	97.3	Positive	0

[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.

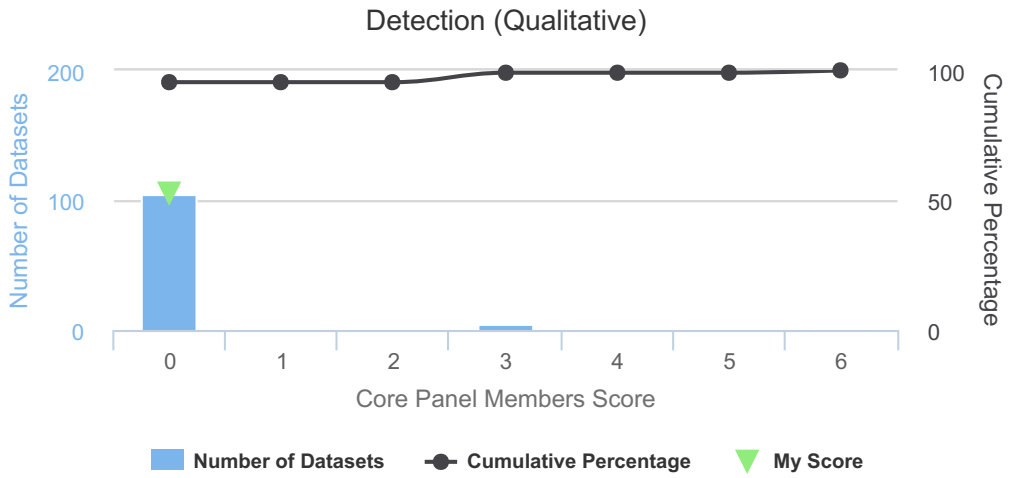
[8] **Percentage Correct (All):** Percentage of datasets (%) reporting the correct qualitative results for each panel member.

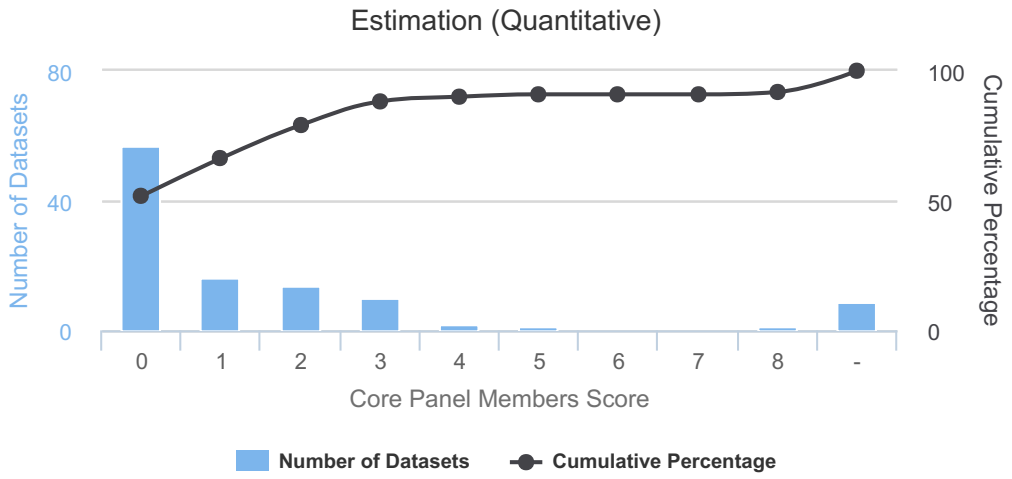
[9] **Your Qualitative Result:** The qualitative result you reported for each sample within this EQA challenge / distribution.

[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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My Workflow Details

The details of the workflow(s) used to submit your results for this challenge.

Name	GeneProof Epstein-Barr Virus (EBV) PCR Kit - croBEE 2.0 (v2)
Description	
Targets	V Epstein-Barr virus

Assays	*Extraction* - GeneProof - croBEE 2.0 Nucleic Acid Extraction System
	• Commercial
	  ◦ Kit Manufacturer: *GeneProof*
	  ◦ Kit Type: *myCROBE/croBEE 2.0 Universal Extraction Kit*
	Amplification - GeneProof - croBEE Real-Time PCR System
	• Commercial
	  ◦ Kit Manufacturer: *GeneProof*
	  ◦ Kit Type: *GeneProof GeneProof Epstein-Barr Virus (EBV) PCR kit*
	  ◦ Kit Version: *GP*

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]
EBVDNA22C2-04	N/A	-	-	-	-	95.5	Positive	0
EBVDNA22C2-05	N/A	-	-	-	-	74.5	Positive	0

[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	114
Number of Countries	31
Number of Respondents	105
Number of Datasets Submitted	130
Quantitative Results Returned (All)	110 (84.6%)
- Quantitative Results Returned (IU/ml)	66 (60.0%)
- Quantitative Results Returned (Copies/ml)	44 (40.0%)
Qualitative Results Returned	110 (84.6%)

EQA Programme Aims

To assess the proficiency of laboratories in the detection and quantitation of Epstein-Barr virus (EBV).

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 ► Copies/ml, IU/ml ► Qualitative

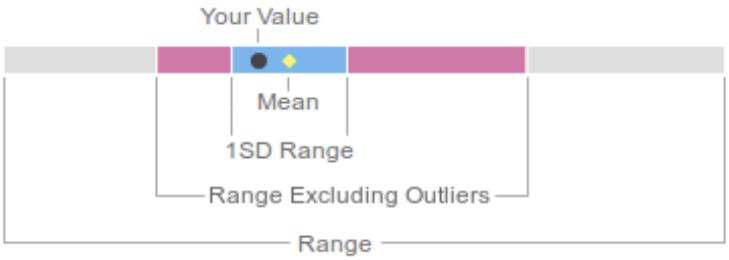
Individual Panel Member Analysis (Quantitative)

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.

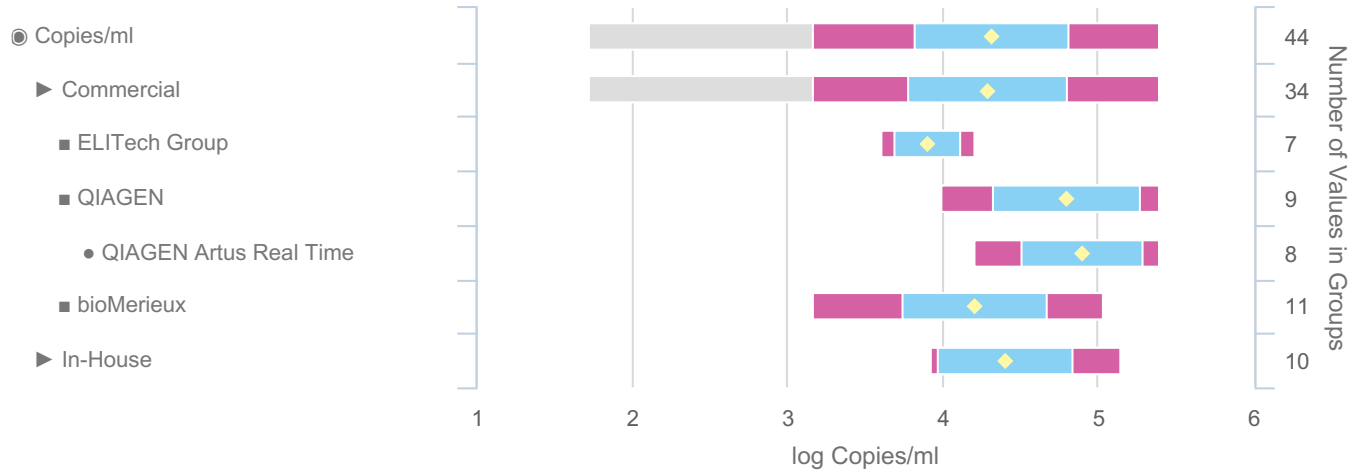
Key



Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV024121	EBVDNA22	C2	Qualitative and Quantitative	593505	2677/593505/5019	CZ023

EBVDNA22C2-01 - Quantitative Results Breakdown (Copies/ml)

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (Copies/ml)		Range
						(Log$_{10}$)	*(n)*	
EBVDNA22C2-01	Epstein-Barr virus	Plasma	DS2_1	Frequently Detected	CORE	4.308	44	1.716 - 5.386



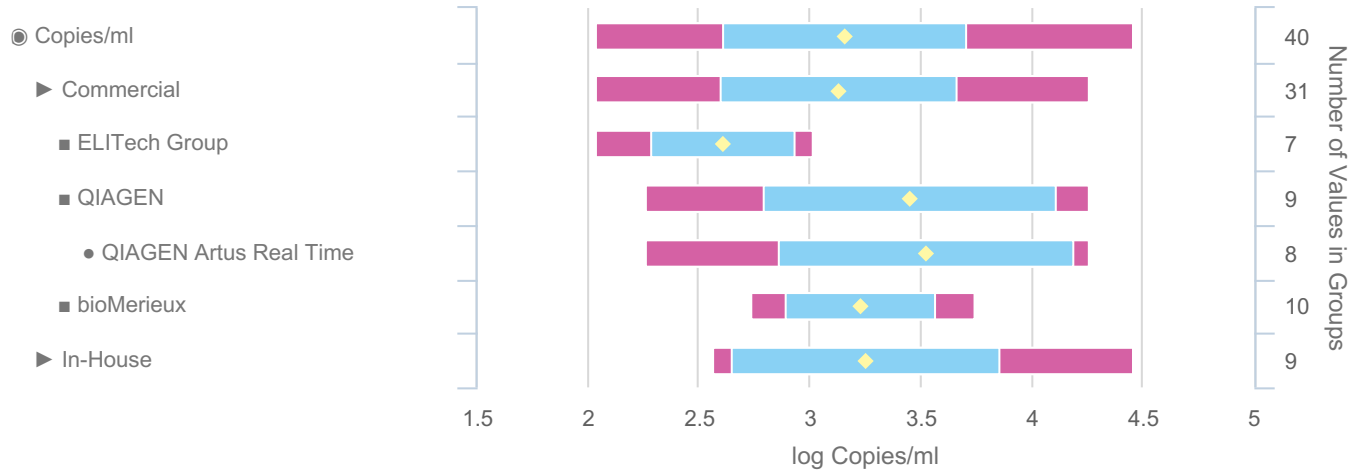
Groups below n=5: Abbott (n=1), Abbott - Abbott RealTime m2000 (n=1), Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics RealStar (n=1), Diagenode (n=1), Diagenode - Diagenode Real Time kit (n=1), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Hong Kong CH Gene (n=1), Hong Kong CH Gene - HK CH Gene Real Time PCR (n=1), QIAGEN - Qiagen NeuMoDx (n=1)

Groups Rolled Up: ELITech Group - Elitech Elite Real Time kit (n=7), bioMerieux - bioMerieux R-gene Quant Kit (n=11), In-House - Real-time In-House PCR (n=10)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV024121	EBVDNA22	C2	Qualitative and Quantitative	593505	2677/593505/5019	CZ023

EBVDNA22C2-02 - Quantitative Results Breakdown (Copies/ml)

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (Copies/ml)		Range
						(Log$_{10}$)	*(n)*	
EBVDNA22C2-02	Epstein-Barr virus	Plasma	D1, DS1_1	Frequently Detected	CORE	3.154	40	2.033 - 4.453



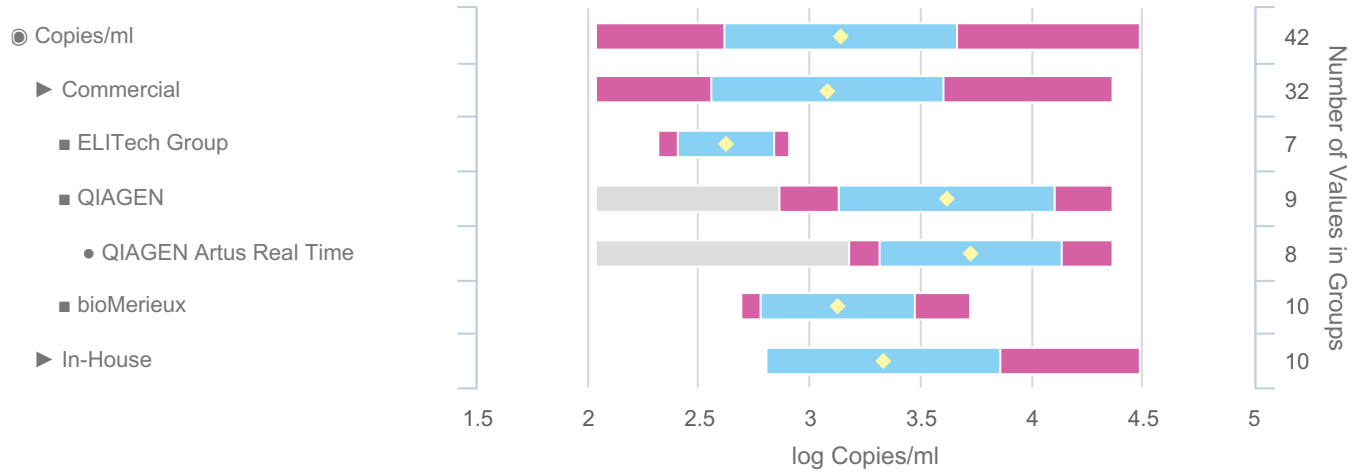
Groups below n=5: Abbott (n=1), Abbott - Abbott RealTime m2000 (n=1), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Hong Kong CH Gene (n=1), Hong Kong CH Gene - HK CH Gene Real Time PCR (n=1), QIAGEN - Qiagen NeuMoDx (n=1)

Groups Rolled Up: ELITech Group - Elitech Elite Real Time kit (n=7), bioMerieux - bioMerieux R-gene Quant Kit (n=10), In-House - Real-time In-House PCR (n=9)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV024121	EBVDNA22	C2	Qualitative and Quantitative	593505	2677/593505/5019	CZ023

EBVDNA22C2-03 - Quantitative Results Breakdown (Copies/ml)

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (Copies/ml)		Range
						(Log$_{10}$)	*(n)*	
EBVDNA22C2-03	Epstein-Barr virus	Plasma	D1, DS1_1	Frequently Detected	CORE	3.136	42	2.033 - 4.484



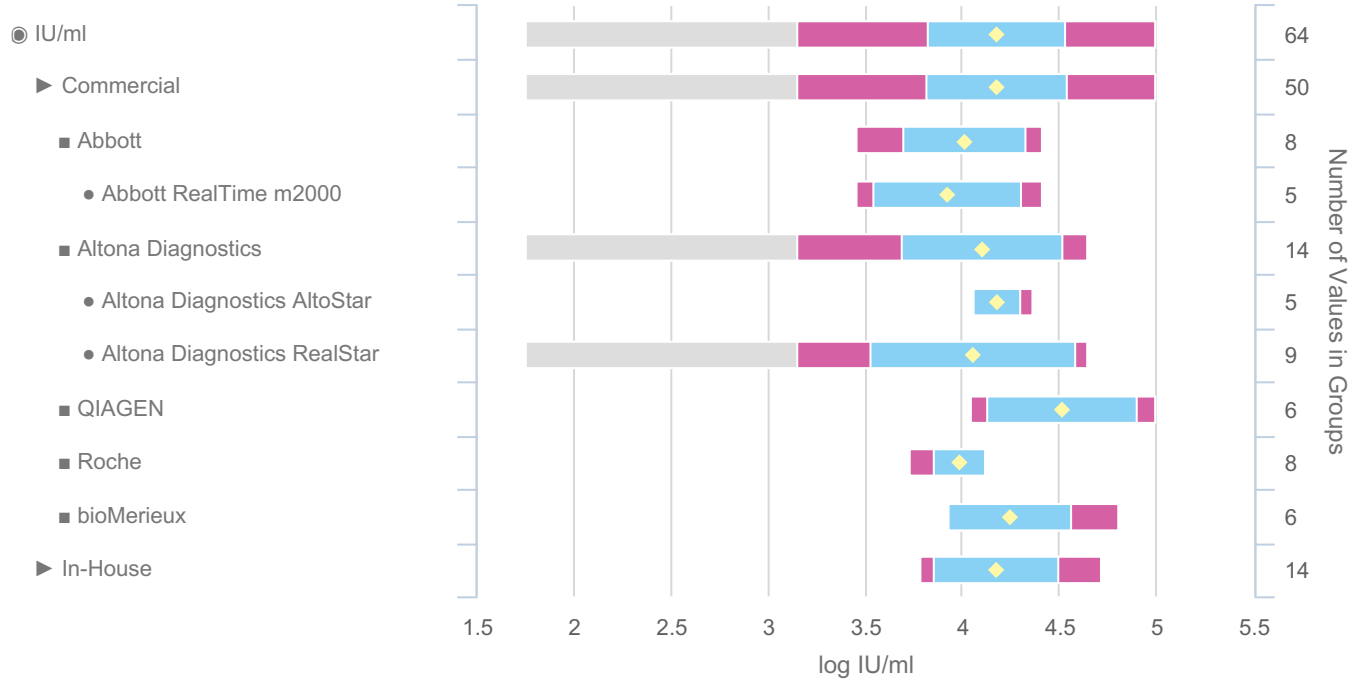
Groups below n=5: Abbott (n=1), Abbott - Abbott RealTime m2000 (n=1), Diagenode (n=1), Diagenode - Diagenode Real Time kit (n=1), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Hong Kong CH Gene (n=1), Hong Kong CH Gene - HK CH Gene Real Time PCR (n=1), QIAGEN - Qiagen NeuMoDx (n=1)

Groups Rolled Up: ELITech Group - Elitech Elite Real Time kit (n=7), bioMerieux - bioMerieux R-gene Quant Kit (n=10), In-House - Real-time In-House PCR (n=10)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV024121	EBVDNA22	C2	Qualitative and Quantitative	593505	2677/593505/5019	CZ023

EBVDNA22C2-01 - Quantitative Results Breakdown (IU/ml)

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (IU/ml)		Range
						(Log$_{10}$)	*(n)*	
EBVDNA22C2-01	Epstein-Barr virus	Plasma	DS2_1	Frequently Detected	CORE	4.172	64	1.748 - 4.989



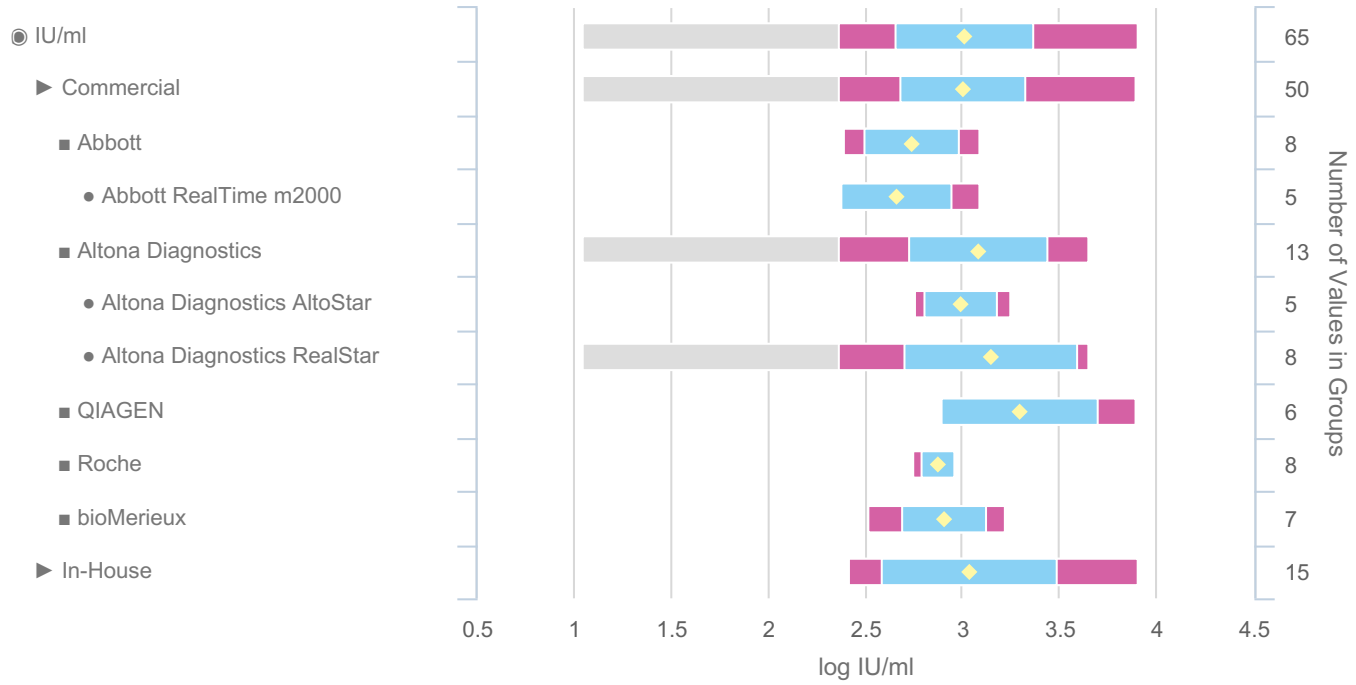
Groups below n=5: AB Analitica (n=2), AB Analitica - AB Analitica REALQUALITY RQ (n=2), Abbott - Abbott Alinity m (n=3), ELITech Group (n=3), ELITech Group - Elitech Elite Real Time kit (n=3), GeneProof (n=2), GeneProof - GeneProof Real Time PCR kit (n=2), Iontek (n=1), Iontek - Iontek Flurion (n=1), QIAGEN - QIAGEN Artus Real Time (n=4), QIAGEN - Qiagen NeuMoDx (n=2)

Groups Rolled Up: Roche - Roche Cobas 6800/8800 (n=8), bioMerieux - bioMerieux R-gene Quant Kit (n=6), In-House - Real-time In-House PCR (n=14)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV024121	EBVDNA22	C2	Qualitative and Quantitative	593505	2677/593505/5019	CZ023

EBVDNA22C2-02 - Quantitative Results Breakdown (IU/ml)

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (IU/ml)		Range
						(Log$_{10}$)	*(n)*	
EBVDNA22C2-02	Epstein-Barr virus	Plasma	D1, DS1_1	Frequently Detected	CORE	3.006	65	1.041 - 3.899



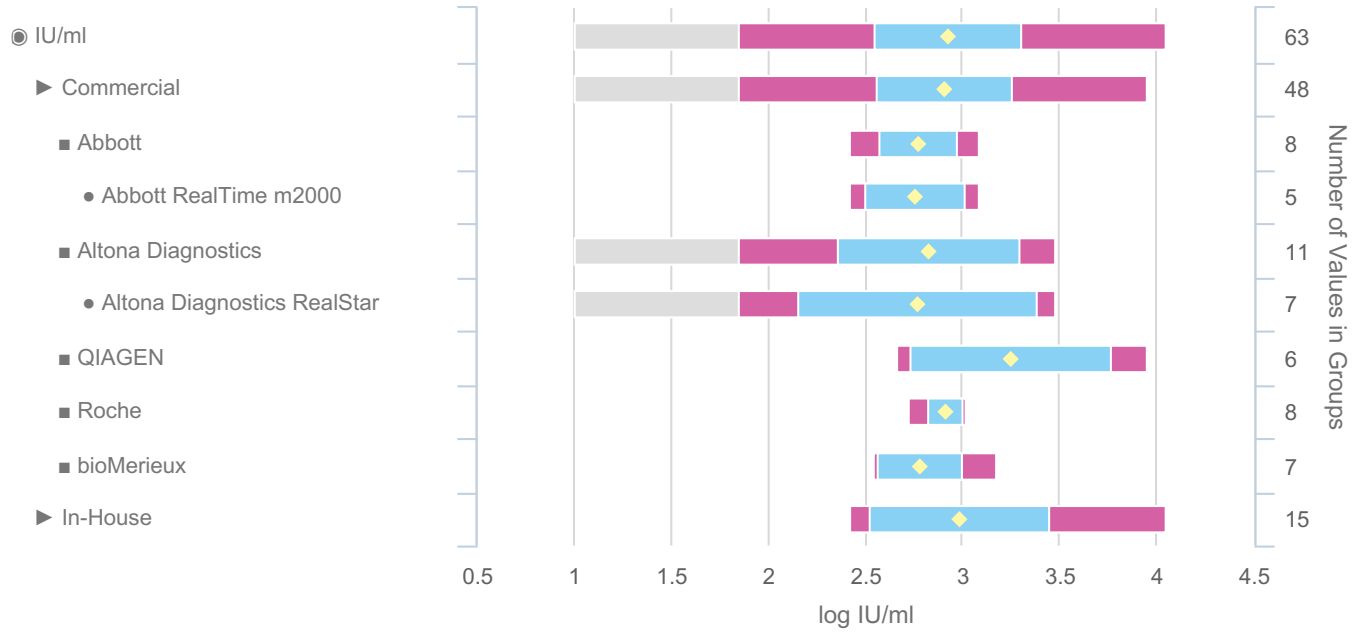
Groups below n=5: AB Analitica (n=2), AB Analitica - AB Analitica REALQUALITY RQ (n=2), Abbott - Abbott Alinity m (n=3), ELITech Group (n=3), ELITech Group - Elitech Elite Real Time kit (n=3), GeneProof (n=2), GeneProof - GeneProof Real Time PCR kit (n=2), Iontek (n=1), Iontek - Iontek Flurion (n=1), QIAGEN - QIAGEN Artus Real Time (n=4), QIAGEN - Qiagen NeuMoDx (n=2)

Groups Rolled Up: Roche - Roche Cobas 6800/8800 (n=8), bioMerieux - bioMerieux R-gene Quant Kit (n=7), In-House - Real-time In-House PCR (n=15)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV024121	EBVDNA22	C2	Qualitative and Quantitative	593505	2677/593505/5019	CZ023

EBVDNA22C2-03 - Quantitative Results Breakdown (IU/ml)

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (IU/ml)		Range
						(Log$_{10}$)	*(n)*	
EBVDNA22C2-03	Epstein-Barr virus	Plasma	D1, DS1_1	Frequently Detected	CORE	2.922	63	1.000 - 4.043



Groups below n=5: AB Analitica (n=2), AB Analitica - AB Analitica REALQUALITY RQ (n=2), Abbott - Abbott Alinity m (n=3), Altona Diagnostics - Altona Diagnostics AltoStar (n=4), ELITech Group (n=3), ELITech Group - Elitech Elite Real Time kit (n=3), GeneProof (n=2), GeneProof - GeneProof Real Time PCR kit (n=2), Iontek (n=1), Iontek - Iontek Flurion (n=1), QIAGEN - QIAGEN Artus Real Time (n=4), QIAGEN - Qiagen NeuMoDx (n=2)

Groups Rolled Up: Roche - Roche Cobas 6800/8800 (n=8), bioMerieux - bioMerieux R-gene Quant Kit (n=7), In-House - Real-time In-House PCR (n=15)

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.

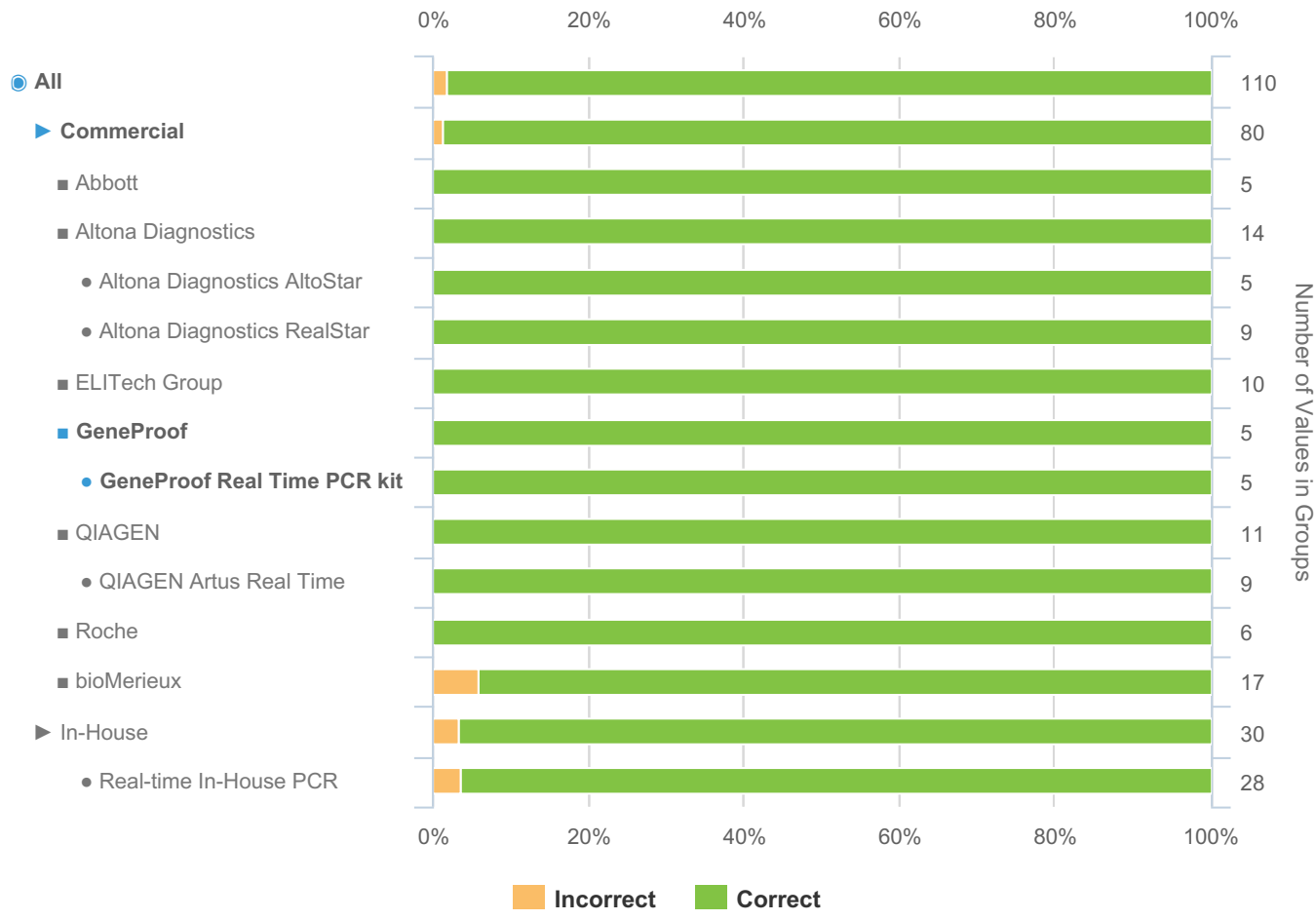
To allow meaningful assessment at the individual method level the EQA assessment group must consist of 5 or more datasets. If there are not sufficient datasets at the individual method level then your results will be included within a higher EQA assessment group based on whether it is a commercial or 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
QAV024121	EBVDNA22	C2	Qualitative and Quantitative	593505	2677/593505/5019	CZ023

EBVDNA22C2-01 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	*(n)*
EBVDNA22C2-01	Epstein-Barr virus	Plasma	DS2_1	Frequently Detected	CORE	98.2	110



Groups below n=5: AB Analitica (n=2), AB Analitica - AB Analitica REALQUALITY RQ (n=2), Abbott - Abbott Alinity m (n=1), Abbott - Abbott RealTime m2000 (n=4), AusDiagnostics (n=2), AusDiagnostics - AusDiagnostics TandemPlex (n=2), Diagenode (n=1), Diagenode - Diagenode Real Time kit (n=1), Hong Kong CH Gene (n=1), Hong Kong CH Gene - HK CH Gene Real Time PCR (n=1), Iontek (n=1), Iontek - Iontek Flurion (n=1), Master Diagnostica (n=1), Master Diagnostica - Master Diagnostica Flow Chip (n=1), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesig (n=1), QIAGEN - Qiagen NeuMoDx (n=2), Seegene (n=1), Seegene - Seegene Seeplex (n=1), fast-track DIAGNOSTICS (n=2), fast-track DIAGNOSTICS - FTD real time PCR (n=2), In-House - Conventional In-House PCR (n=2)

Groups Rolled Up: ELITech Group - Elitech Elite Real Time kit (n=10), Roche - Roche Cobas 6800/8800 (n=6), bioMerieux - bioMerieux R-gene Quant Kit (n=17)

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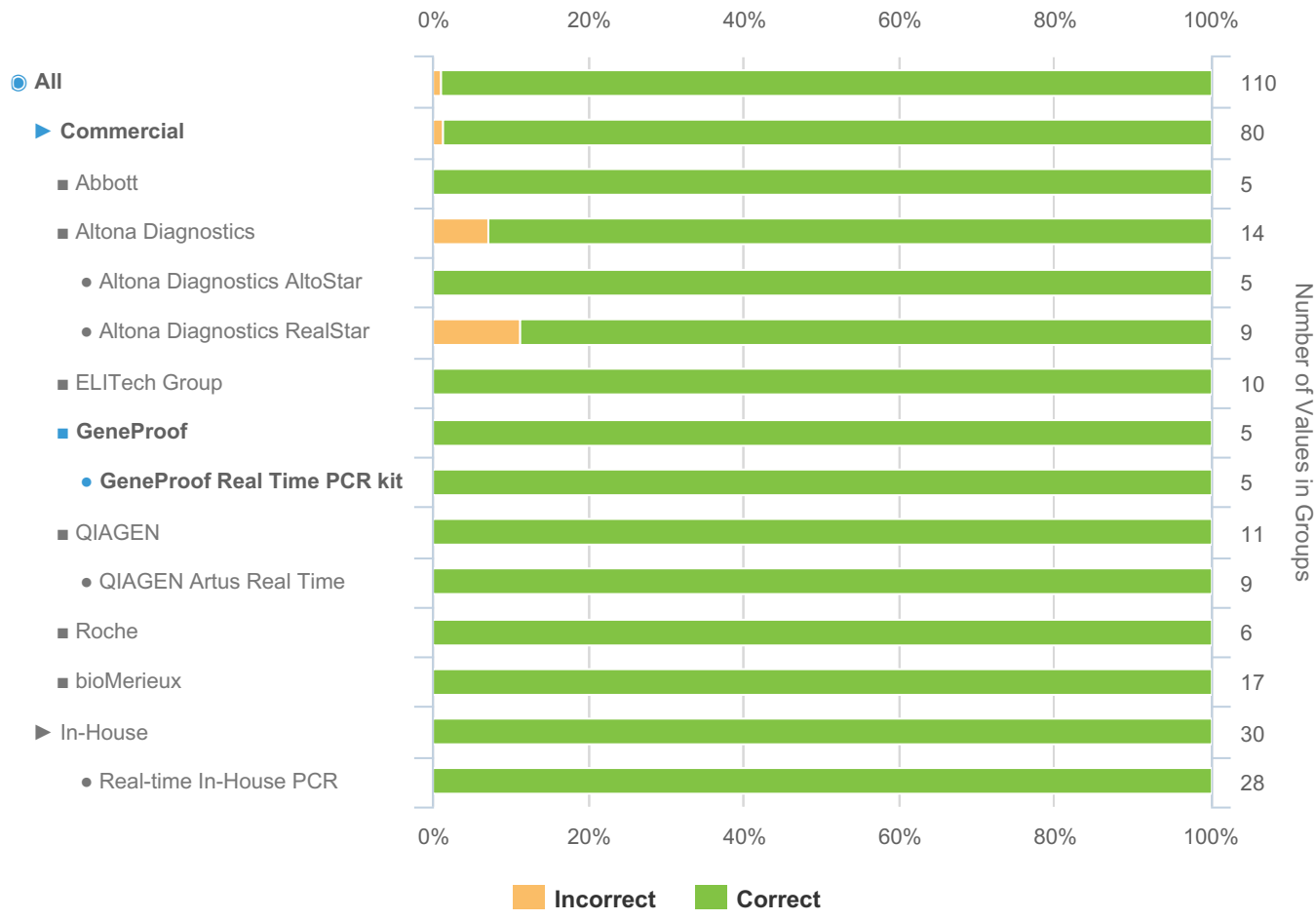
EBVDNA22C2-02 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	*(n)*
EBVDNA22C2-02	Epstein-Barr virus	Plasma	D1, DS1_1	Frequently Detected	CORE	99.1	110



Groups below n=5: AB Analitica (n=2), AB Analitica - AB Analitica REALQUALITY RQ (n=2), Abbott - Abbott Alinity m (n=1), Abbott - Abbott RealTime m2000 (n=4), AusDiagnostics (n=2), AusDiagnostics - AusDiagnostics TandemPlex (n=2), Diagenode (n=1), Diagenode - Diagenode Real Time kit (n=1), Hong Kong CH Gene (n=1), Hong Kong CH Gene - HK CH Gene Real Time PCR (n=1), Iontek (n=1), Iontek - Iontek Flurion (n=1), Master Diagnostica (n=1), Master Diagnostica - Master Diagnostica Flow Chip (n=1), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesig (n=1), QIAGEN - Qiagen NeuMoDx (n=2), Seegene (n=1), Seegene - Seegene Seeplex (n=1), fast-track DIAGNOSTICS (n=2), fast-track DIAGNOSTICS - FTD real time PCR (n=2), In-House - Conventional In-House PCR (n=2)

Groups Rolled Up: ELITech Group - Elitech Elite Real Time kit (n=10), Roche - Roche Cobas 6800/8800 (n=6), bioMerieux - bioMerieux R-gene Quant Kit (n=17)

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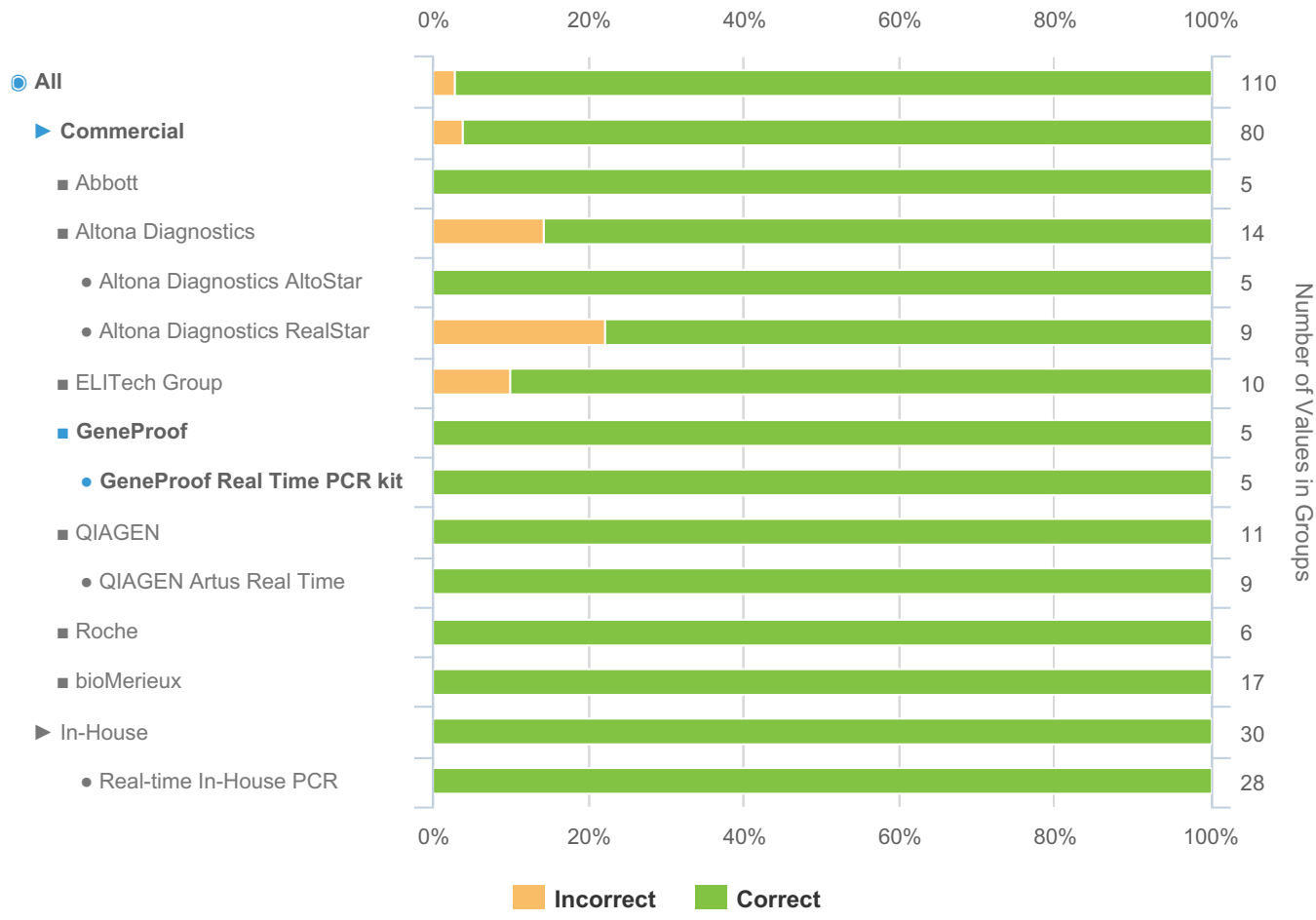
QAV024121	EBVDNA22	C2	Qualitative and Quantitative	593505	2677/593505/5019	CZ023

EBVDNA22C2-03 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	*(n)*
EBVDNA22C2-03	Epstein-Barr virus	Plasma	D1, DS1_1	Frequently Detected	CORE	97.3	110



Groups below n=5: AB Analitica (n=2), AB Analitica - AB Analitica REALQUALITY RQ (n=2), Abbott - Abbott Alinity m (n=1), Abbott - Abbott RealTime m2000 (n=4), AusDiagnostics (n=2), AusDiagnostics - AusDiagnostics TandemPlex (n=2), Diagenode (n=1), Diagenode - Diagenode Real Time kit (n=1), Hong Kong CH Gene (n=1), Hong Kong CH Gene - HK CH Gene Real Time PCR (n=1), Iontek (n=1), Iontek - Iontek Flurion (n=1), Master Diagnostica (n=1), Master Diagnostica - Master Diagnostica Flow Chip (n=1), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesig (n=1), QIAGEN - Qiagen NeuMoDx (n=2), Seegene (n=1), Seegene - Seegene Seeplex (n=1), fast-track DIAGNOSTICS (n=2), fast-track DIAGNOSTICS - FTD real time PCR (n=2), In-House - Conventional In-House PCR (n=2)

Groups Rolled Up: ELITech Group - Elitech Elite Real Time kit (n=10), Roche - Roche Cobas 6800/8800 (n=6), bioMerieux - bioMerieux R-gene Quant Kit (n=17)

Additional Educational Samples Information

The following section has been categorised as shown below:

Educational ► Quantitative ► Copies/ml, IU/ml ► Qualitative

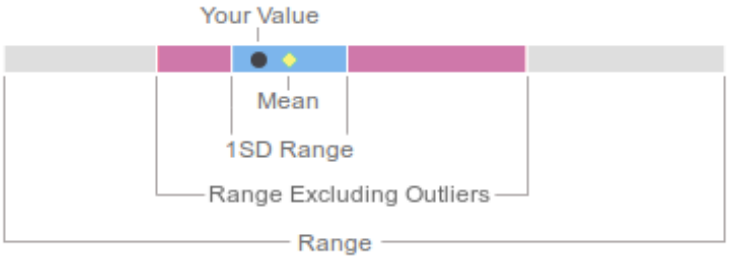
Individual Panel Member Analysis (Quantitative)

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.

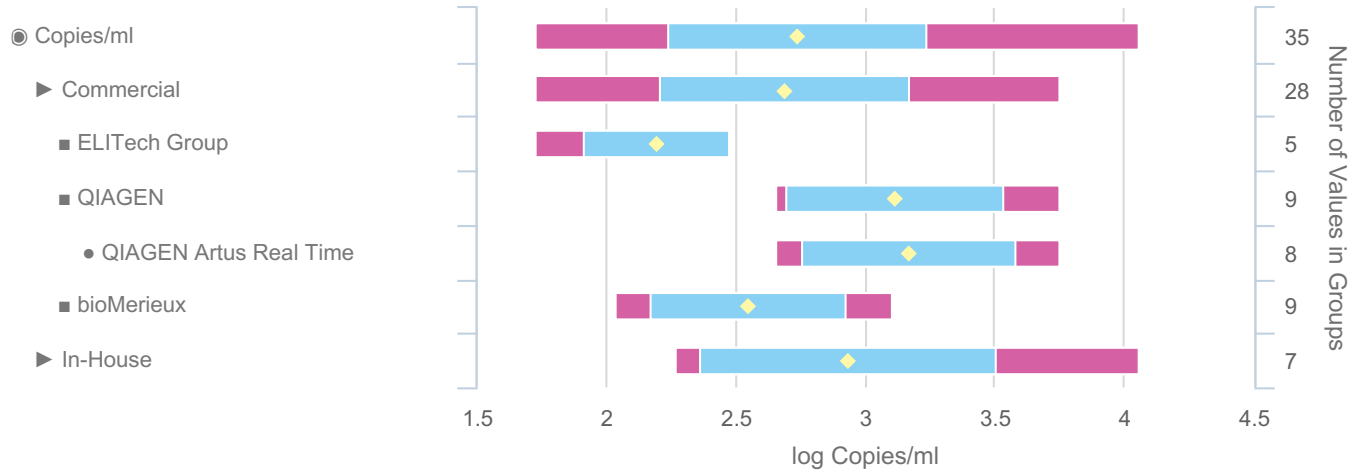
Key



Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV024121	EBVDNA22	C2	Qualitative and Quantitative	593505	2677/593505/5019	CZ023

EBVDNA22C2-04 - Quantitative Results Breakdown (Copies/ml)

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (Copies/ml)		Range
						(Log$_{10}$)	*(n)*	
EBVDNA22C2-04	Epstein-Barr virus	Plasma	DS2_2	Frequently Detected	EDUCATIONAL	2.734	35	1.724 - 4.053



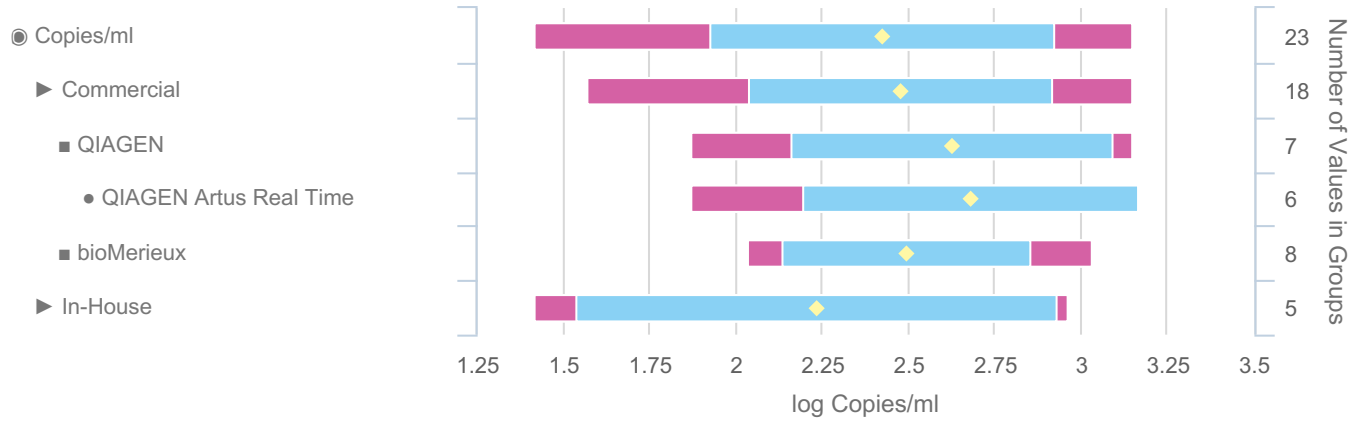
Groups below n=5: Abbott (n=1), Abbott - Abbott RealTime m2000 (n=1), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Hong Kong CH Gene (n=1), Hong Kong CH Gene - HK CH Gene Real Time PCR (n=1), QIAGEN - Qiagen NeuMoDx (n=1)

Groups Rolled Up: ELITech Group - Elitech Elite Real Time kit (n=5), bioMerieux - bioMerieux R-gene Quant Kit (n=9), In-House - Real-time In-House PCR (n=7)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV024121	EBVDNA22	C2	Qualitative and Quantitative	593505	2677/593505/5019	CZ023

EBVDNA22C2-05 - Quantitative Results Breakdown (Copies/ml)

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (Copies/ml)		Range
						(Log$_{10}$)	*(n)*	
EBVDNA22C2-05	Epstein-Barr virus	Plasma	DS1_2	Detected	EDUCATIONAL	2.422	23	1.415 - 3.146



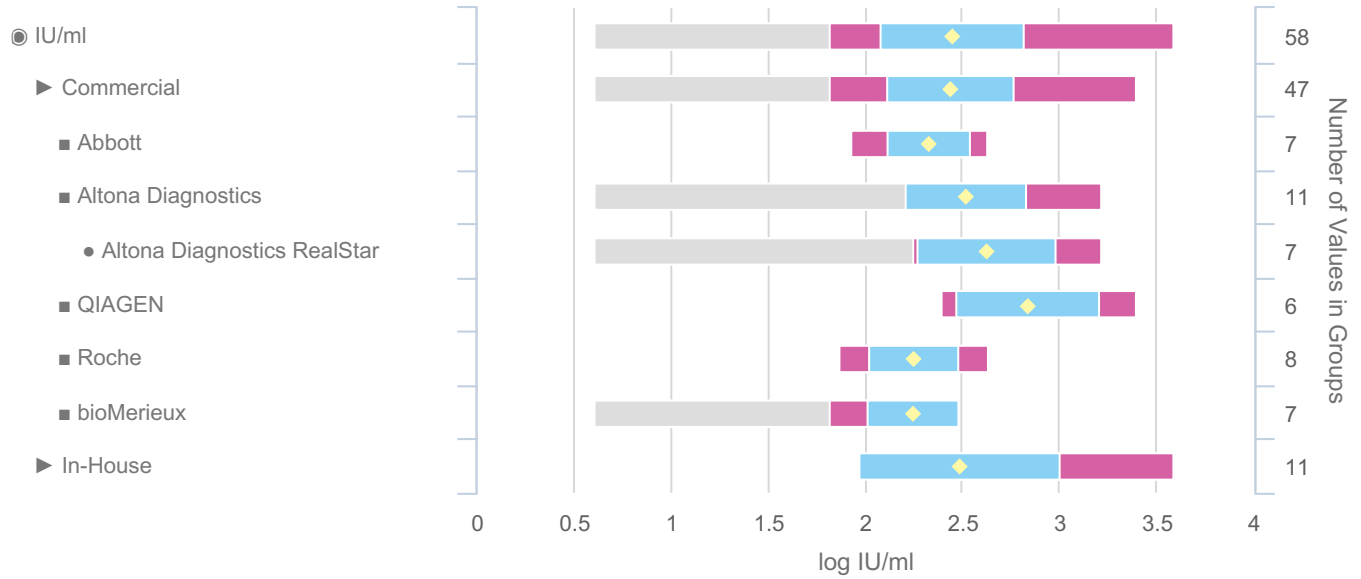
Groups below n=5: ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), GeneProof (n=2), GeneProof - GeneProof Real Time PCR kit (n=2), QIAGEN - Qiagen NeuMoDx (n=1)

Groups Rolled Up: bioMerieux - bioMerieux R-gene Quant Kit (n=8), In-House - Real-time In-House PCR (n=5)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV024121	EBVDNA22	C2	Qualitative and Quantitative	593505	2677/593505/5019	CZ023

EBVDNA22C2-04 - Quantitative Results Breakdown (IU/ml)

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (IU/ml)		Range
						(Log$_{10}$)	*(n)*	
EBVDNA22C2-04	Epstein-Barr virus	Plasma	DS2_2	Frequently Detected	EDUCATIONAL	2.444	58	0.602 - 3.583



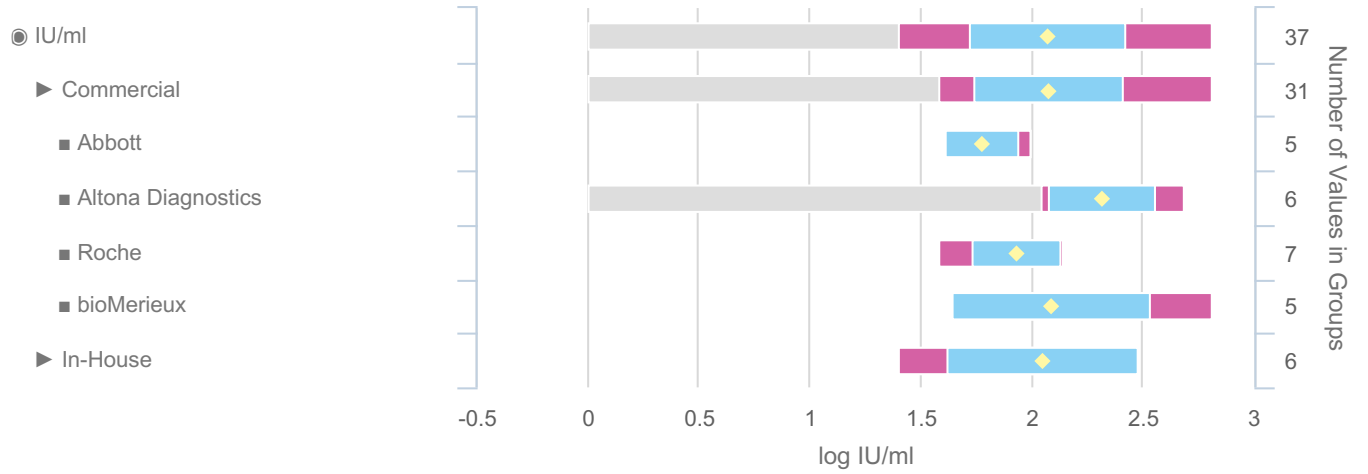
Groups below n=5: AB Analitica (n=2), AB Analitica - AB Analitica REALQUALITY RQ (n=2), Abbott - Abbott Alinity m (n=3), Abbott - Abbott RealTime m2000 (n=4), Altona Diagnostics - Altona Diagnostics AltoStar (n=4), ELITech Group (n=3), ELITech Group - Elitech Elite Real Time kit (n=3), GeneProof (n=2), GeneProof - GeneProof Real Time PCR kit (n=2), Iontek (n=1), Iontek - Iontek Flurion (n=1), QIAGEN - QIAGEN Artus Real Time (n=4), QIAGEN - Qiagen NeuMoDx (n=2)

Groups Rolled Up: Roche - Roche Cobas 6800/8800 (n=8), bioMerieux - bioMerieux R-gene Quant Kit (n=7), In-House - Real-time In-House PCR (n=11)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV024121	EBVDNA22	C2	Qualitative and Quantitative	593505	2677/593505/5019	CZ023

EBVDNA22C2-05 - Quantitative Results Breakdown (IU/ml)

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Consensus (IU/ml)		Range
						(Log$_{10}$)	*(n)*	
EBVDNA22C2-05	Epstein-Barr virus	Plasma	DS1_2	Detected	EDUCATIONAL	2.068	37	0.000 - 2.808



Groups below n=5: Abbott - Abbott Alinity m (n=3), Abbott - Abbott RealTime m2000 (n=2), Altona Diagnostics - Altona Diagnostics AltoStar (n=3), Altona Diagnostics - Altona Diagnostics RealStar (n=3), ELITech Group (n=3), ELITech Group - Elitech Elite Real Time kit (n=3), GeneProof (n=2), GeneProof - GeneProof Real Time PCR kit (n=2), Iontek (n=1), Iontek - Iontek Flurion (n=1), QIAGEN (n=2), QIAGEN - QIAGEN Artus Real Time (n=1), QIAGEN - Qiagen NeuMoDx (n=1)

Groups Rolled Up: Roche - Roche Cobas 6800/8800 (n=7), bioMerieux - bioMerieux R-gene Quant Kit (n=5), In-House - Real-time In-House PCR (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.

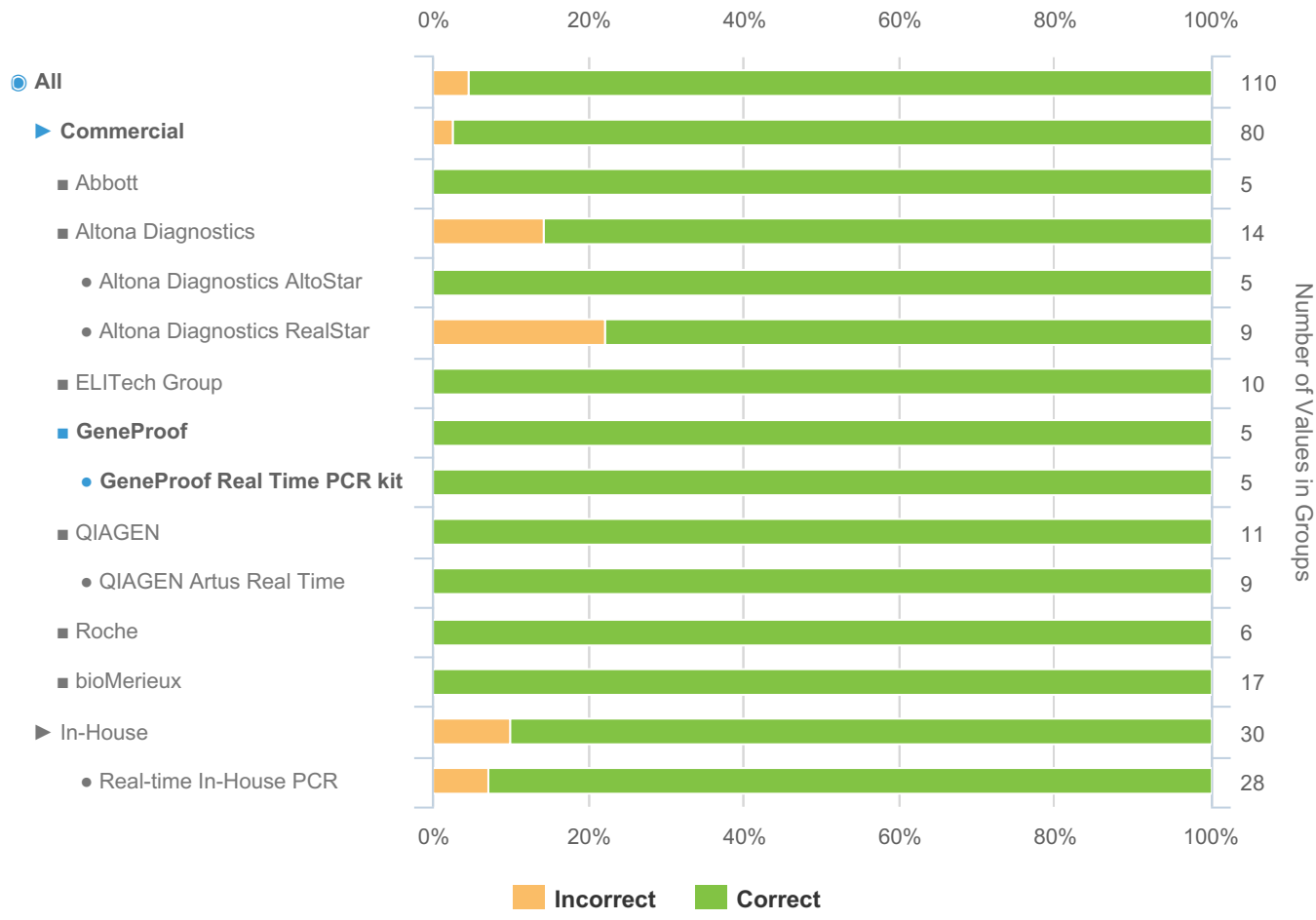
To allow meaningful assessment at the individual method level the EQA assessment group must consist of 5 or more datasets. If there are not sufficient datasets at the individual method level then your results will be included within a higher EQA assessment group based on whether it is a commercial or 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
QAV024121	EBVDNA22	C2	Qualitative and Quantitative	593505	2677/593505/5019	CZ023

EBVDNA22C2-04 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	*(n)*
EBVDNA22C2-04	Epstein-Barr virus	Plasma	DS2_2	Frequently Detected	EDUCATIONAL	95.5	110



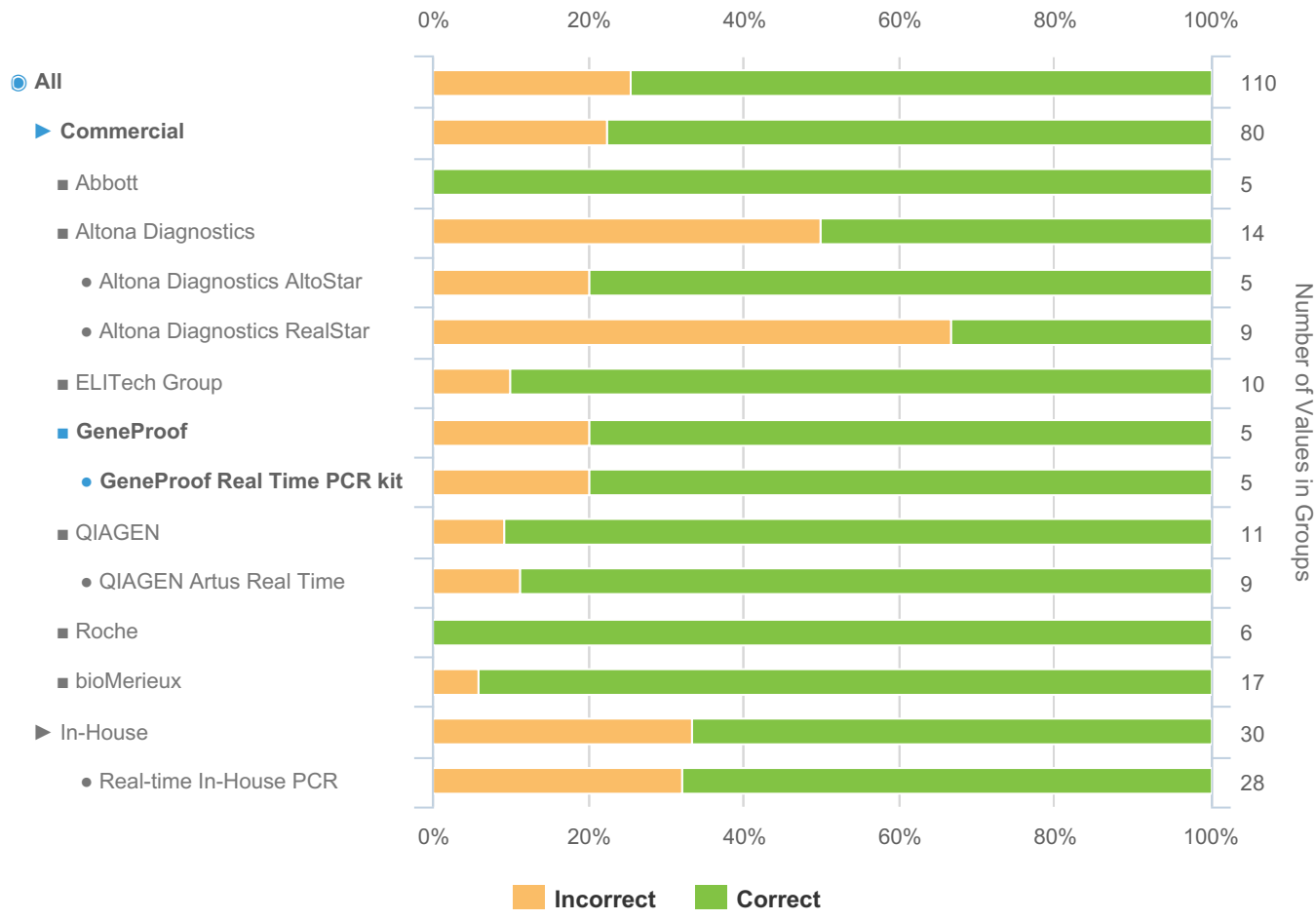
Groups below n=5: AB Analitica (n=2), AB Analitica - AB Analitica REALQUALITY RQ (n=2), Abbott - Abbott Alinity m (n=1), Abbott - Abbott RealTime m2000 (n=4), AusDiagnostics (n=2), AusDiagnostics - AusDiagnostics TandemPlex (n=2), Diagenode (n=1), Diagenode - Diagenode Real Time kit (n=1), Hong Kong CH Gene (n=1), Hong Kong CH Gene - HK CH Gene Real Time PCR (n=1), Iontek (n=1), Iontek - Iontek Flurion (n=1), Master Diagnostica (n=1), Master Diagnostica - Master Diagnostica Flow Chip (n=1), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesig (n=1), QIAGEN - Qiagen NeuMoDx (n=2), Seegene (n=1), Seegene - Seegene Seeplex (n=1), fast-track DIAGNOSTICS (n=2), fast-track DIAGNOSTICS - FTD real time PCR (n=2), In-House - Conventional In-House PCR (n=2)

Groups Rolled Up: ELITech Group - Elitech Elite Real Time kit (n=10), Roche - Roche Cobas 6800/8800 (n=6), bioMerieux - bioMerieux R-gene Quant Kit (n=17)

Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV024121	EBVDNA22	C2	Qualitative and Quantitative	593505	2677/593505/5019	CZ023

EBVDNA22C2-05 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	*(n)*
EBVDNA22C2-05	Epstein-Barr virus	Plasma	DS1_2	Detected	EDUCATIONAL	74.5	110



Groups below n=5: AB Analitica (n=2), AB Analitica - AB Analitica REALQUALITY RQ (n=2), Abbott - Abbott Alinity m (n=1), Abbott - Abbott RealTime m2000 (n=4), AusDiagnostics (n=2), AusDiagnostics - AusDiagnostics TandemPlex (n=2), Diagenode (n=1), Diagenode - Diagenode Real Time kit (n=1), Hong Kong CH Gene (n=1), Hong Kong CH Gene - HK CH Gene Real Time PCR (n=1), Iontek (n=1), Iontek - Iontek Flurion (n=1), Master Diagnostica (n=1), Master Diagnostica - Master Diagnostica Flow Chip (n=1), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesig (n=1), QIAGEN - Qiagen NeuMoDx (n=2), Seegene (n=1), Seegene - Seegene Seeplex (n=1), fast-track DIAGNOSTICS (n=2), fast-track DIAGNOSTICS - FTD real time PCR (n=2), In-House - Conventional In-House PCR (n=2)

Groups Rolled Up: ELITech Group - Elitech Elite Real Time kit (n=10), Roche - Roche Cobas 6800/8800 (n=6), bioMerieux - bioMerieux R-gene Quant Kit (n=17)