

<b>Individual Report</b>	<b>QCMD 2019 Human Papillomavirus (PreservCyt) EQA Programme</b>				 <b>QCMD</b> Quality Control for Molecular Diagnostics	
<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVPRES19	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> -	<b>Report UID:</b> -/-2374	<b>Laboratory</b> -

**NOTE:** Summary information only.

## Intended Results / Panel Composition

Sample Code	Sample Content	Matrix	Sample Relationships <sup>[1]</sup>	Detection Frequency <sup>[2]</sup>	Sample Status <sup>[3]</sup>	Percentage Correct (All) <sup>[4]</sup>	
						(%)	(n)
HPVPRES19S-01	HPV45 (CC10b)	PreservCyt	D3	Frequently Detected	CORE	96.4	168
HPVPRES19S-02	HPV16 (Caski)	PreservCyt	DS2_3	Detected	CORE	80.4	168
HPVPRES19S-03	HPV18 (Hela)	PreservCyt	DS1_2, D1	Frequently Detected	CORE	97.6	168
HPVPRES19S-04	HPV18 (Hela)	PreservCyt	DS1_3	Detected	EDUCATIONAL	94.6	168
HPVPRES19S-05	HPV16 (Caski)	PreservCyt	DS2_2, D2	Frequently Detected	CORE	98.2	168
HPVPRES19S-06	HPV45 (CC10b)	PreservCyt	D3	Frequently Detected	CORE	96.4	168
HPVPRES19S-07	HPV16 (Caski)	PreservCyt	DS2_1	Frequently Detected	CORE	98.2	168
HPVPRES19S-08	HPV Negative (BSM)	PreservCyt	-	Negative	CORE	95.8	168
HPVPRES19S-09	HPV18 (Hela)	PreservCyt	DS1_2, D1	Frequently Detected	CORE	97.6	168
HPVPRES19S-10	HPV Negative (BSM)	PreservCyt	-	Negative	CORE	96.4	168
HPVPRES19S-11	HPV16 (Caski)	PreservCyt	DS2_2, D2	Frequently Detected	CORE	96.4	168
HPVPRES19S-12	HPV18 (Hela)	PreservCyt	DS1_1	Frequently Detected	CORE	98.2	168

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- [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] **Percentage Correct (All):** Percentage of datasets (%) reporting the correct qualitative result and the total number of datasets (n) reported for each panel member.


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

## Your Summary Results

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

## Core Panel Members Results

Sample Code	Qualitative Results			Your Quantitative Data (for information only) <sup>[3]</sup>		
	Percentage Correct (All) <sup>[4]</sup>	Your Result <sup>[5]</sup>	Detection Score <sup>[6]</sup>	Reported Value	Unitage	Cycle Threshold
HPVPRES19S-01	96.4	-	-	-	-	-
HPVPRES19S-02	80.4	-	-	-	-	-
HPVPRES19S-03	97.6	-	-	-	-	-
HPVPRES19S-05	98.2	-	-	-	-	-
HPVPRES19S-06	96.4	-	-	-	-	-
HPVPRES19S-07	98.2	-	-	-	-	-
HPVPRES19S-08	95.8	-	-	-	-	-
HPVPRES19S-09	97.6	-	-	-	-	-
HPVPRES19S-10	96.4	-	-	-	-	-
HPVPRES19S-11	96.4	-	-	-	-	-
HPVPRES19S-12	98.2	-	-	-	-	-

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[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] **Quantitative Data (for information only):** This is the quantitative value, unitage and cycle threshold you provided when you submitted your results. For qualitative programmes this information is not used as part of your formal EQA assessment.

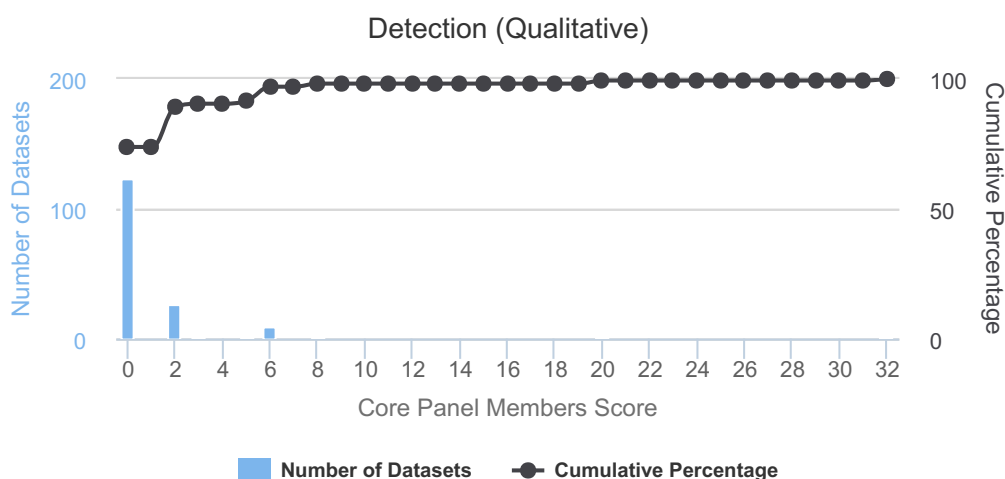
[4] **Percentage Correct (All):** Percentage of datasets (%) reporting the correct qualitative results for each panel member.

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

[6] **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".

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

## Educational Panel Members Results

Sample Code	Qualitative Results			Your Quantitative Data (for information only) [1]		
	Percentage Correct (All) [2]	Your Result [3]	Detection Score [4]	Reported Value	Unitage	Cycle Threshold
HPVPRES19S-04	94.6	-	-	-	-	-

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[1] **Quantitative Data (for information only):** This is the quantitative value, unitage and cycle threshold you provided when you submitted your results. For qualitative programmes this information is not used as part of your formal EQA assessment.

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

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

[4] **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	142
Number of Countries	26
Number of Respondents	133
Number of Datasets Submitted	168
Qualitative Results Returned	168 (100.0%)

## EQA Programme Aims

To assess the proficiency of laboratories in the detection of different high risk Human Papillomavirus types within a PreservCyt® matrix.

## Feedback and Enquiries

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

Any queries about this report should be addressed to the QCMD Neutral Office ([neutraloffice@qcmd.org](mailto:neutraloffice@qcmd.org)).

<b>Individual Report</b>	<b>QCMD 2019 Human Papillomavirus (PreservCyt) EQA Programme</b>					
Catalogue Code: QAV094130	Ref Code: HPVPRES19	Challenge: S	Analysis Type: Custom	Dataset: -	Report UID: -/-/2374	Laboratory -

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 ► Qualitative

### 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.

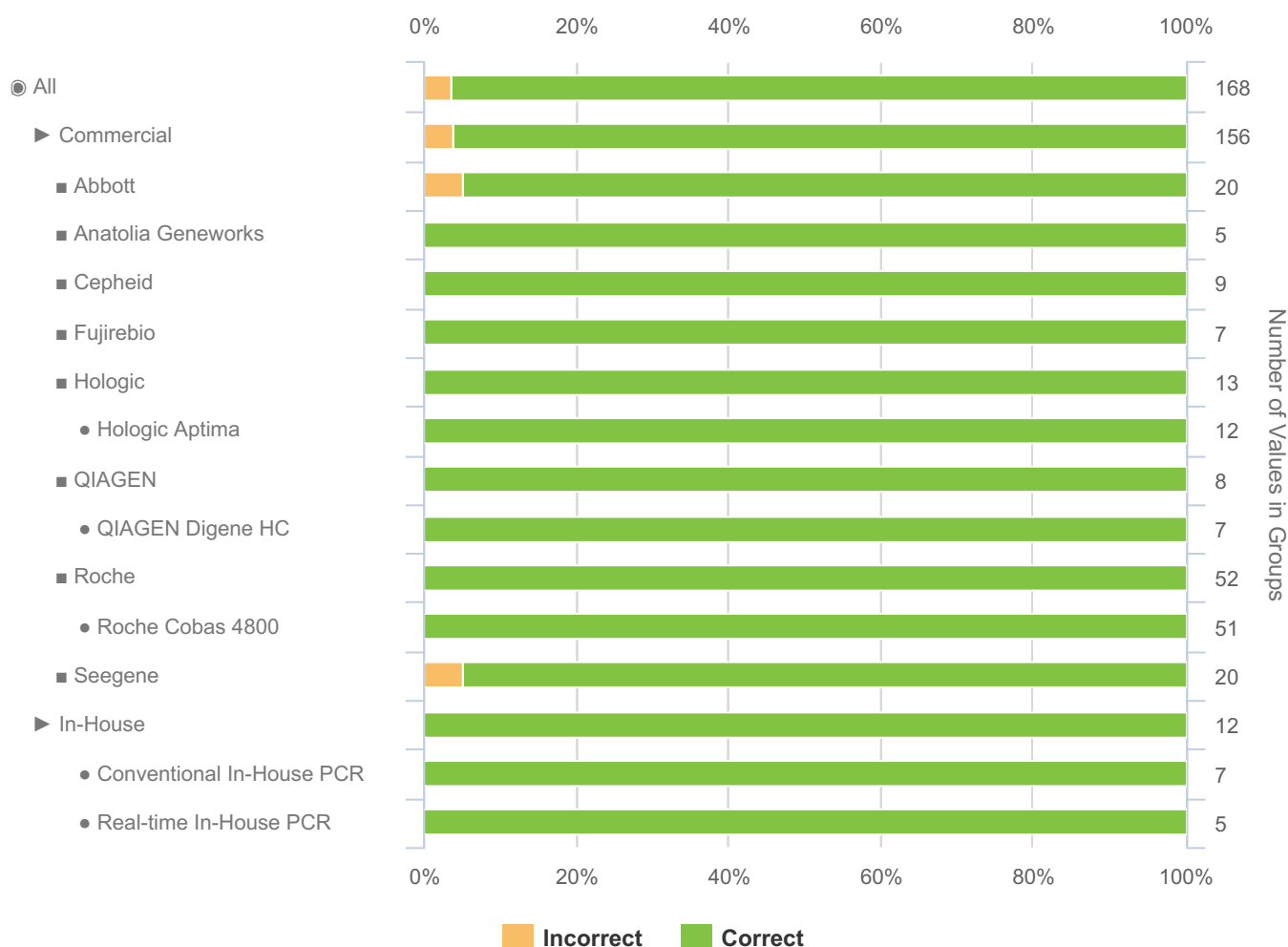
To allow meaningful assessment at the individual method level the EQA assessment group must consist of 5 or more datasets. If there are not sufficient datasets at the individual method level then your results will be included within a higher EQA assessment group based on whether it is a commercial or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

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<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVPRES19	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> -	<b>Report UID:</b> -/-2374	<b>Laboratory</b> -

#### HPVPRES19S-01 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HPVPRES19S-01	HPV45 (CC10b)	PreservCyt	D3	Frequently Detected	CORE	96.4	168



**Groups below n=5:** Applied Biosystems (n=1), Applied Biosystems - Applied Biosystems Real Time PCR (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Onclarity (n=2), Certest (n=2), Certest - Certest Real Time PCR (n=2), DDL Diagnostic Laboratory (n=1), DDL Diagnostic Laboratory - DDL PCR Reagents (n=1), DiaMex (n=1), DiaMex - DiaMex Optiplex (n=1), Genomica (n=4), Genomica - Genomica CLART (n=4), Greiner bio one (n=2), Greiner bio one - Greiner bio-one (n=2), Hologic - Hologic Cervista (n=1), LBP (n=1), LBP - LBP PCR Kit (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=3), NorChip (n=1), NorChip - NorChip (n=1), QIAGEN - QIAGEN Artus Real Time (n=1), Roche - Roche Linear Array (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Vitassay (n=2), Vitassay - Vitassay Real-Time PCR (n=2), fast-track DIAGNOSTICS (n=1), fast-track DIAGNOSTICS - FTD real time PCR (n=1)

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**Groups Rolled Up:** Abbott - Abbott Real Time PCR (n=20), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=5), Cepheid - Cepheid Xpert kit (n=9), Fujirebio - Fujirebio INNO-LiPA (n=7), Seegene - Seegene Real Time PCR (n=20)

## HPVPRES19S-02 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HPVPRES19S-02	HPV16 (Caski)	PreservCyt	DS2_3	Detected	CORE	80.4	168



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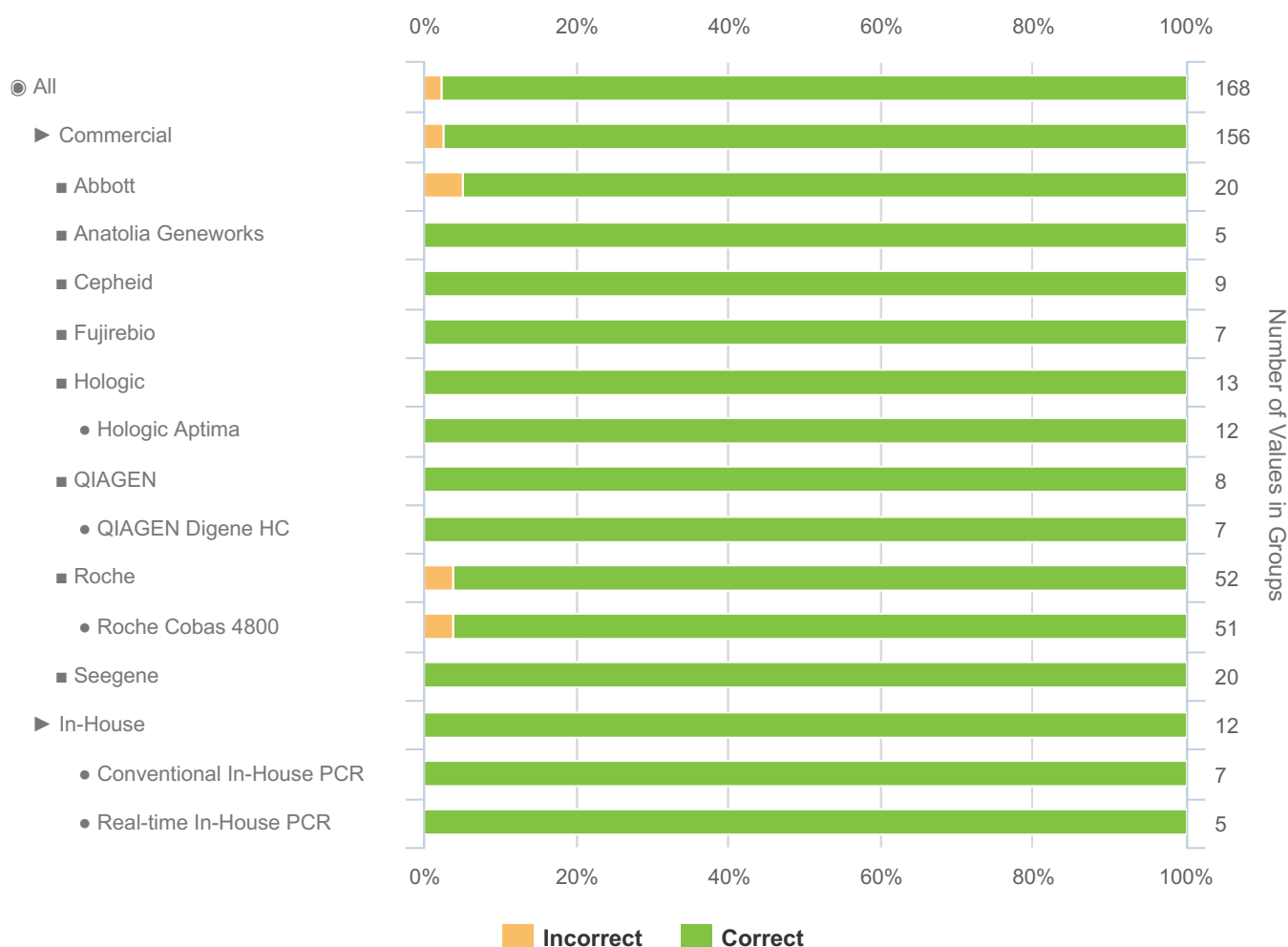
**Groups below n=5:** Applied Biosystems (n=1), Applied Biosystems - Applied Biosystems Real Time PCR (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Onclarity (n=2), Certest (n=2), Certest - Certest Real Time PCR (n=2), DDL Diagnostic Laboratory (n=1), DDL Diagnostic Laboratory - DDL PCR Reagents (n=1), DiaMex (n=1), DiaMex - DiaMex Optiplex (n=1), Genomica (n=4), Genomica - Genomica CLART (n=4), Greiner bio one (n=2), Greiner bio one - Greiner bio-one (n=2), Hologic - Hologic Cervista (n=1), LBP (n=1), LBP - LBP PCR Kit (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=3), NorChip (n=1), NorChip - NorChip (n=1), QIAGEN - QIAGEN Artus Real Time (n=1), Roche - Roche Linear Array (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Vitassay (n=2), Vitassay - Vitassay Real-Time PCR (n=2), fast-track DIAGNOSTICS (n=1), fast-track DIAGNOSTICS - FTD real time PCR (n=1)

**Groups Rolled Up:** Abbott - Abbott Real Time PCR (n=20), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=5), Cepheid - Cepheid Xpert kit (n=9), Fujirebio - Fujirebio INNO-LiPA (n=7), Seegene - Seegene Real Time PCR (n=20)

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<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVPRES19	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> -	<b>Report UID:</b> -/-2374	<b>Laboratory</b> -

### HPVPRES19S-03 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HPVPRES19S-03	HPV18 (Hela)	PreservCyt	DS1_2, D1	Frequently Detected	CORE	97.6	168



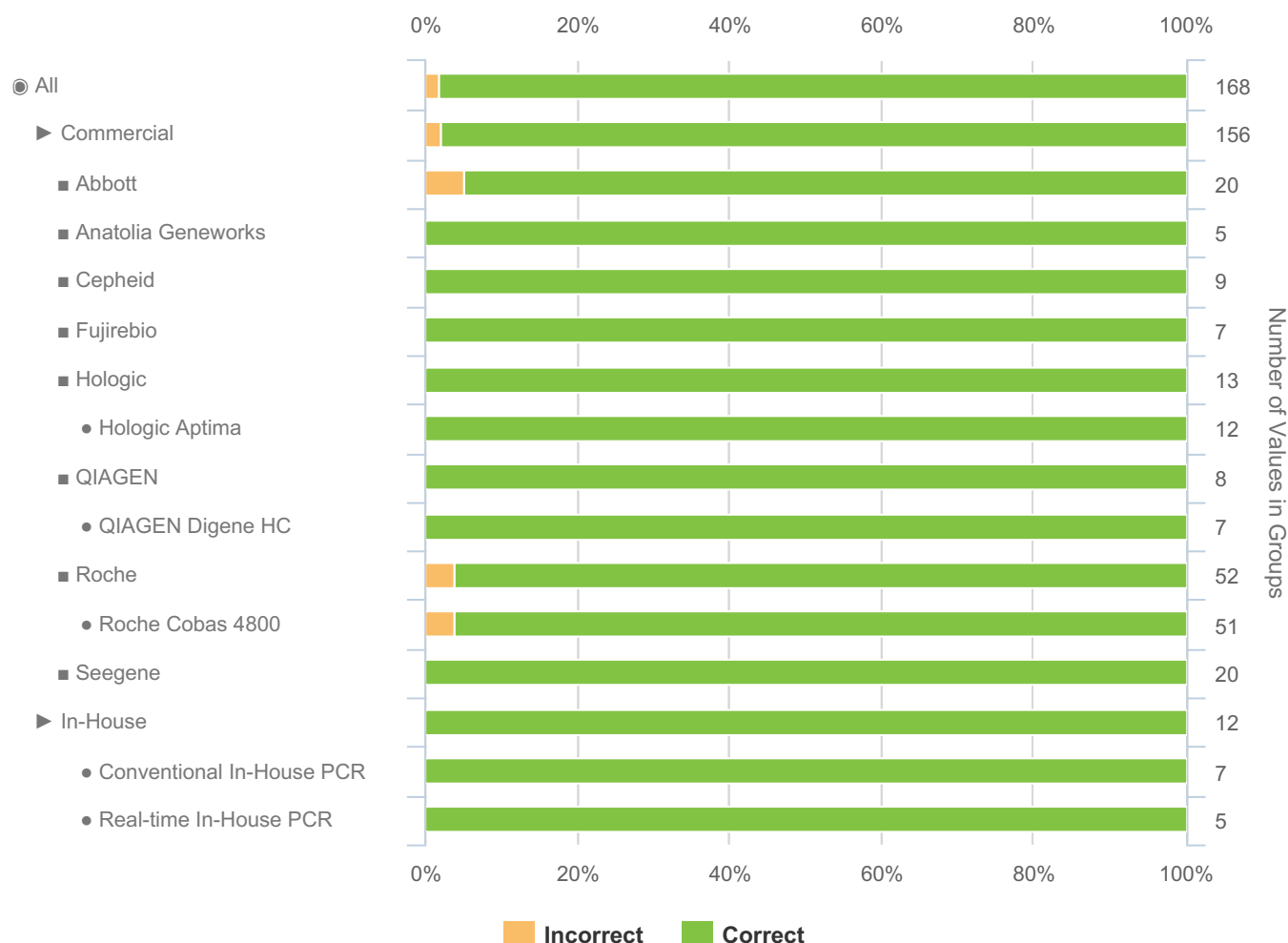
**Groups below n=5:** Applied Biosystems (n=1), Applied Biosystems - Applied Biosystems Real Time PCR (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Onclarity (n=2), Certest (n=2), Certest - Certest Real Time PCR (n=2), DDL Diagnostic Laboratory (n=1), DDL Diagnostic Laboratory - DDL PCR Reagents (n=1), DiaMex (n=1), DiaMex - DiaMex Optiplex (n=1), Genomica (n=4), Genomica - Genomica CLART (n=4), Greiner bio one (n=2), Greiner bio one - Greiner bio-one (n=2), Hologic - Hologic Cervista (n=1), LBP (n=1), LBP - LBP PCR Kit (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=3), NorChip (n=1), NorChip - NorChip (n=1), QIAGEN - QIAGEN Artus Real Time (n=1), Roche - Roche Linear Array (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Vitassay (n=2), Vitassay - Vitassay Real-Time PCR (n=2), fast-track DIAGNOSTICS (n=1), fast-track DIAGNOSTICS - FTD real time PCR (n=1)

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<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVPRES19	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> -	<b>Report UID:</b> -/-/2374	<b>Laboratory</b> -

**Groups Rolled Up:** Abbott - Abbott Real Time PCR (n=20), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=5), Cepheid - Cepheid Xpert kit (n=9), Fujirebio - Fujirebio INNO-LiPA (n=7), Seegene - Seegene Real Time PCR (n=20)

## HPVPRES19S-05 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HPVPRES19S-05	HPV16 (Caski)	PreservCyt	DS2_2, D2	Frequently Detected	CORE	98.2	168



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<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVPRES19	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> -	<b>Report UID:</b> -/-/2374	<b>Laboratory</b> -

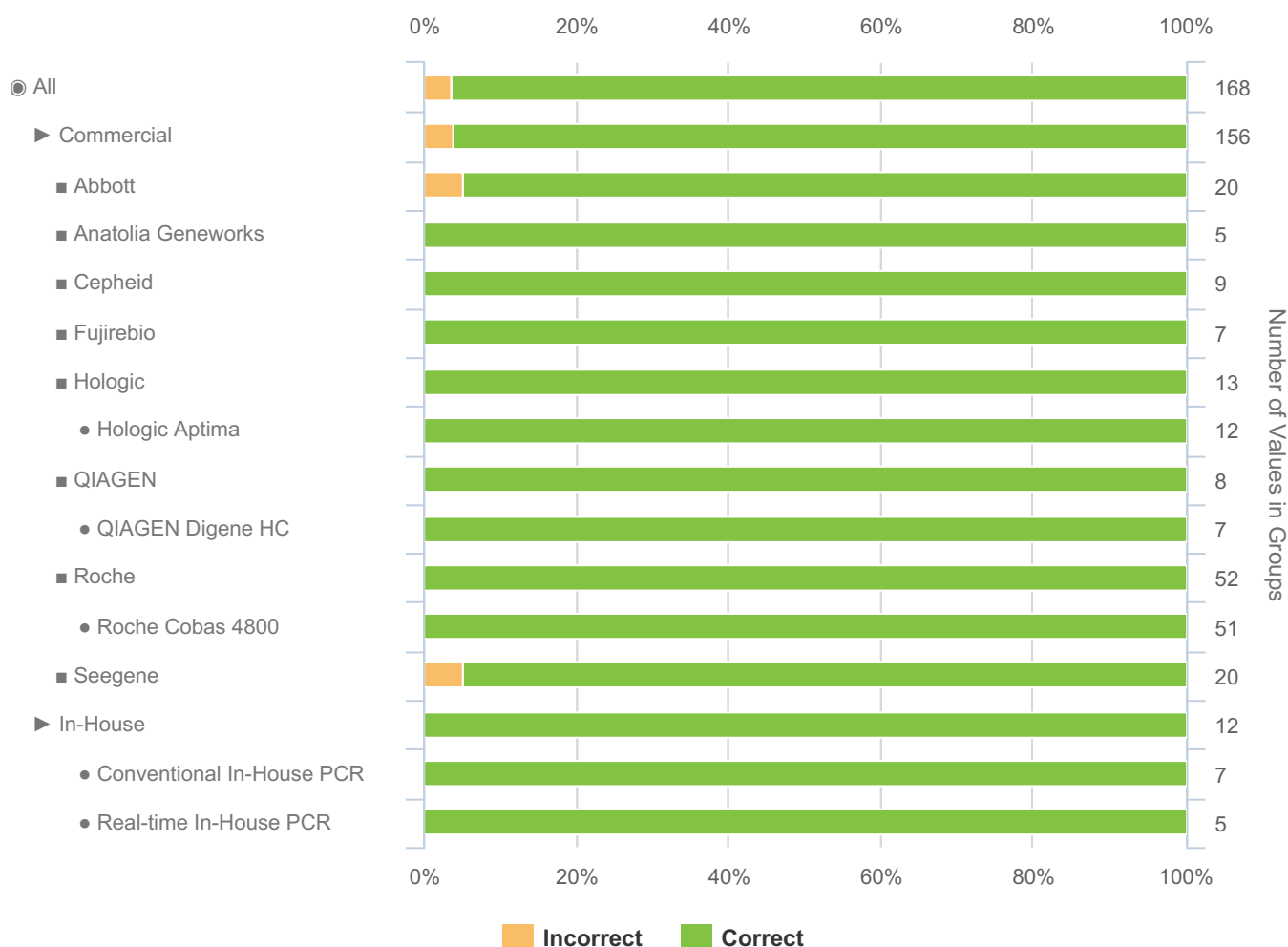
**Groups below n=5:** Applied Biosystems (n=1), Applied Biosystems - Applied Biosystems Real Time PCR (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Onclarity (n=2), Certest (n=2), Certest - Certest Real Time PCR (n=2), DDL Diagnostic Laboratory (n=1), DDL Diagnostic Laboratory - DDL PCR Reagents (n=1), DiaMex (n=1), DiaMex - DiaMex Optiplex (n=1), Genomica (n=4), Genomica - Genomica CLART (n=4), Greiner bio one (n=2), Greiner bio one - Greiner bio-one (n=2), Hologic - Hologic Cervista (n=1), LBP (n=1), LBP - LBP PCR Kit (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=3), NorChip (n=1), NorChip - NorChip (n=1), QIAGEN - QIAGEN Artus Real Time (n=1), Roche - Roche Linear Array (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Vitassay (n=2), Vitassay - Vitassay Real-Time PCR (n=2), fast-track DIAGNOSTICS (n=1), fast-track DIAGNOSTICS - FTD real time PCR (n=1)

**Groups Rolled Up:** Abbott - Abbott Real Time PCR (n=20), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=5), Cepheid - Cepheid Xpert kit (n=9), Fujirebio - Fujirebio INNO-LiPA (n=7), Seegene - Seegene Real Time PCR (n=20)

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<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVPRES19	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> -	<b>Report UID:</b> -/-2374	<b>Laboratory</b> -

#### HPVPRES19S-06 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HPVPRES19S-06	HPV45 (CC10b)	PreservCyt	D3	Frequently Detected	CORE	96.4	168



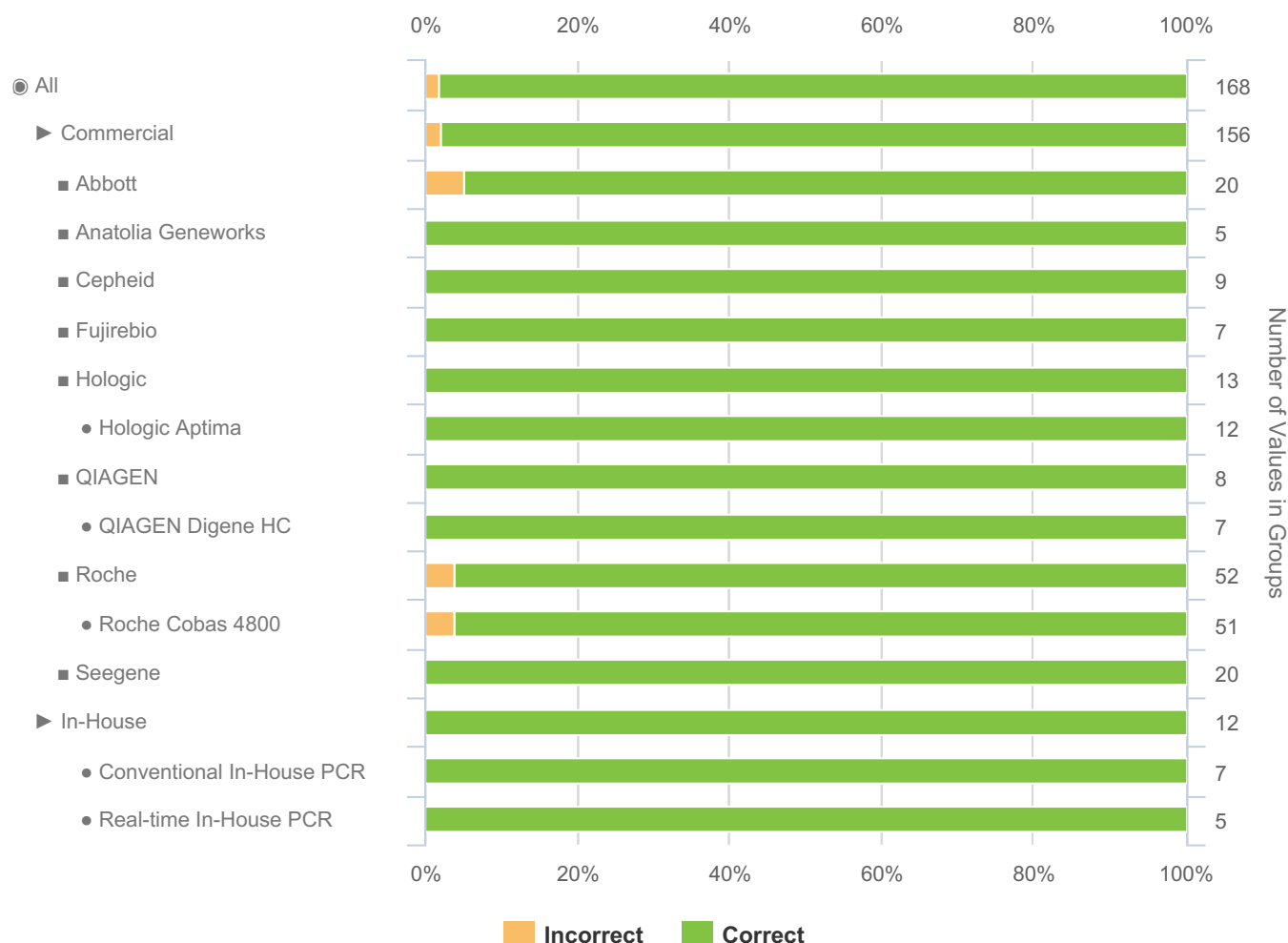
**Groups below n=5:** Applied Biosystems (n=1), Applied Biosystems - Applied Biosystems Real Time PCR (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Onclarity (n=2), Certest (n=2), Certest - Certest Real Time PCR (n=2), DDL Diagnostic Laboratory (n=1), DDL Diagnostic Laboratory - DDL PCR Reagents (n=1), DiaMex (n=1), DiaMex - DiaMex Optiplex (n=1), Genomica (n=4), Genomica - Genomica CLART (n=4), Greiner bio one (n=2), Greiner bio one - Greiner bio-one (n=2), Hologic - Hologic Cervista (n=1), LBP (n=1), LBP - LBP PCR Kit (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=3), NorChip (n=1), NorChip - NorChip (n=1), QIAGEN - QIAGEN Artus Real Time (n=1), Roche - Roche Linear Array (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Vitassay (n=2), Vitassay - Vitassay Real-Time PCR (n=2), fast-track DIAGNOSTICS (n=1), fast-track DIAGNOSTICS - FTD real time PCR (n=1)

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<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVPRES19	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> -	<b>Report UID:</b> -/-/2374	<b>Laboratory</b> -

**Groups Rolled Up:** Abbott - Abbott Real Time PCR (n=20), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=5), Cepheid - Cepheid Xpert kit (n=9), Fujirebio - Fujirebio INNO-LiPA (n=7), Seegene - Seegene Real Time PCR (n=20)

## HPVPRES19S-07 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HPVPRES19S-07	HPV16 (Caski)	PreservCyt	DS2_1	Frequently Detected	CORE	98.2	168



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<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVPRES19	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> -	<b>Report UID:</b> -/-/2374	<b>Laboratory</b> -

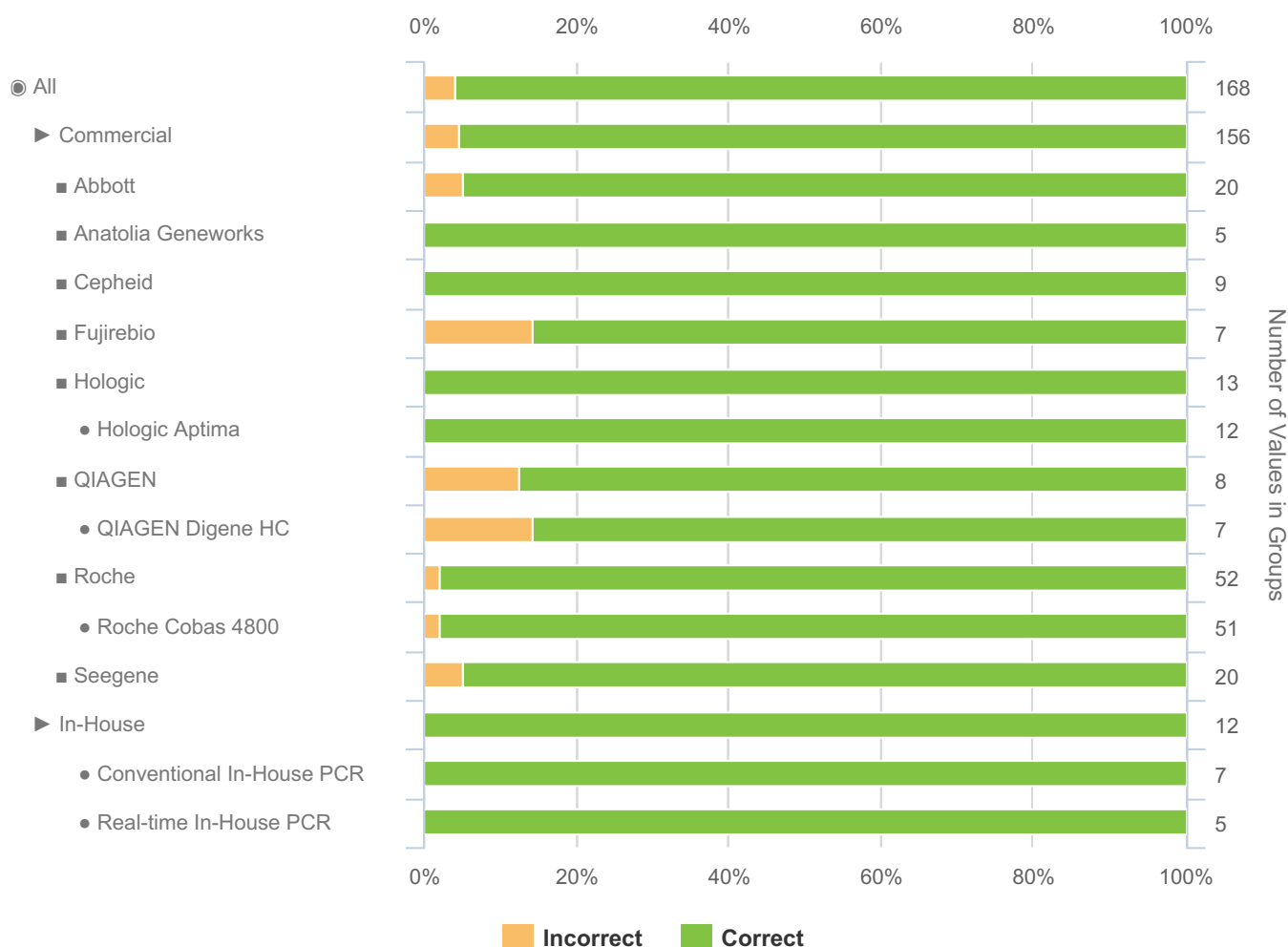
**Groups below n=5:** Applied Biosystems (n=1), Applied Biosystems - Applied Biosystems Real Time PCR (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Onclarity (n=2), Certest (n=2), Certest - Certest Real Time PCR (n=2), DDL Diagnostic Laboratory (n=1), DDL Diagnostic Laboratory - DDL PCR Reagents (n=1), DiaMex (n=1), DiaMex - DiaMex Optiplex (n=1), Genomica (n=4), Genomica - Genomica CLART (n=4), Greiner bio one (n=2), Greiner bio one - Greiner bio-one (n=2), Hologic - Hologic Cervista (n=1), LBP (n=1), LBP - LBP PCR Kit (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=3), NorChip (n=1), NorChip - NorChip (n=1), QIAGEN - QIAGEN Artus Real Time (n=1), Roche - Roche Linear Array (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Vitassay (n=2), Vitassay - Vitassay Real-Time PCR (n=2), fast-track DIAGNOSTICS (n=1), fast-track DIAGNOSTICS - FTD real time PCR (n=1)

**Groups Rolled Up:** Abbott - Abbott Real Time PCR (n=20), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=5), Cepheid - Cepheid Xpert kit (n=9), Fujirebio - Fujirebio INNO-LiPA (n=7), Seegene - Seegene Real Time PCR (n=20)

<b>Individual Report</b>	<b>QCMD 2019 Human Papillomavirus (PreservCyt) EQA Programme</b>				 <b>QCMD</b> Quality Control for Molecular Diagnostics	
<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVPRES19	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> -	<b>Report UID:</b> -/-2374	<b>Laboratory</b> -

#### HPVPRES19S-08 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HPVPRES19S-08	HPV Negative (BSM)	PreservCyt	-	Negative	CORE	95.8	168



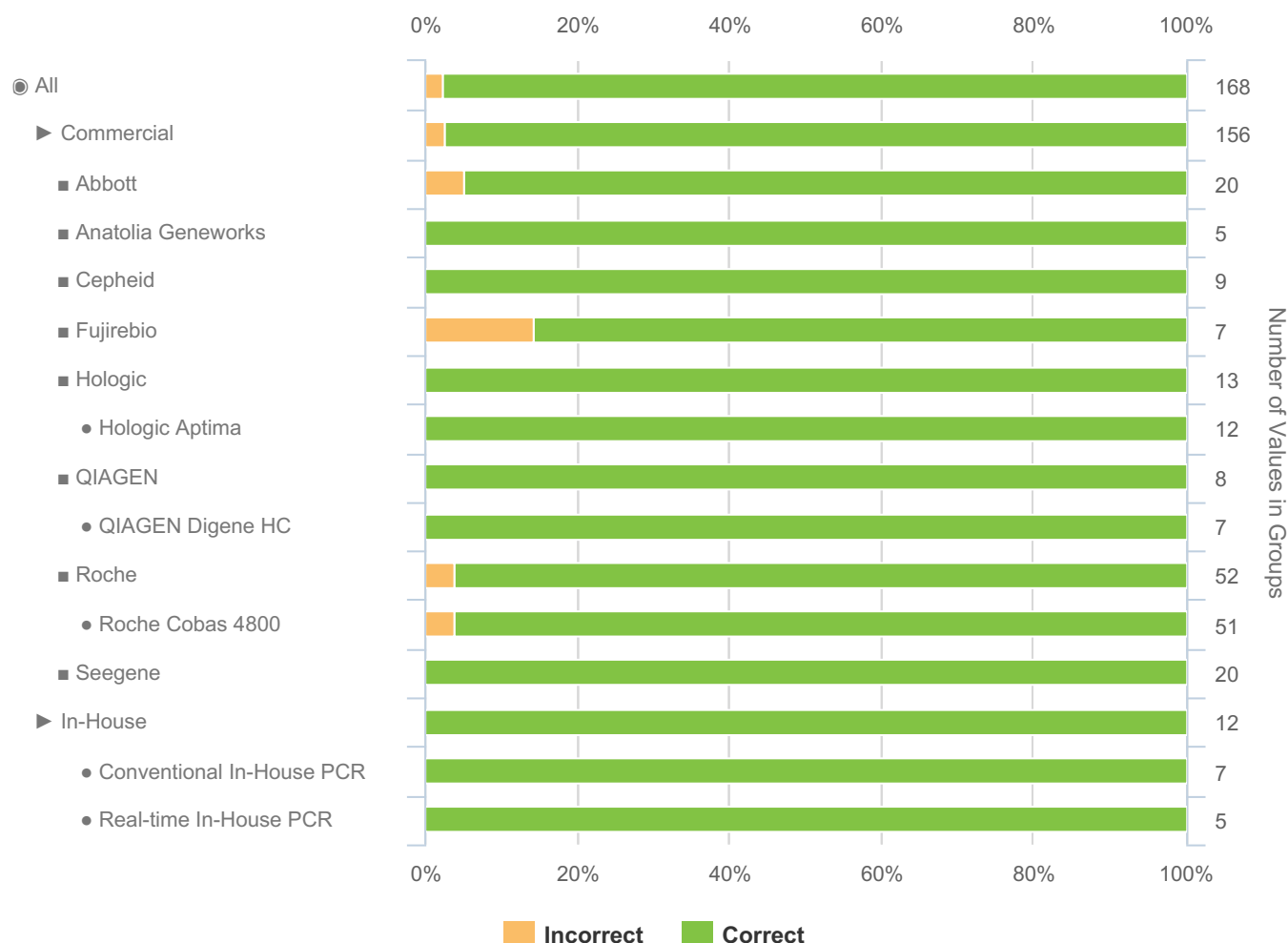
**Groups below n=5:** Applied Biosystems (n=1), Applied Biosystems - Applied Biosystems Real Time PCR (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Onclarity (n=2), Certest (n=2), Certest - Certest Real Time PCR (n=2), DDL Diagnostic Laboratory (n=1), DDL Diagnostic Laboratory - DDL PCR Reagents (n=1), DiaMex (n=1), DiaMex - DiaMex Optiplex (n=1), Genomica (n=4), Genomica - Genomica CLART (n=4), Greiner bio one (n=2), Greiner bio one - Greiner bio-one (n=2), Hologic - Hologic Cervista (n=1), LBP (n=1), LBP - LBP PCR Kit (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=3), NorChip (n=1), NorChip - NorChip (n=1), QIAGEN - QIAGEN Artus Real Time (n=1), Roche - Roche Linear Array (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Vitassay (n=2), Vitassay - Vitassay Real-Time PCR (n=2), fast-track DIAGNOSTICS (n=1), fast-track DIAGNOSTICS - FTD real time PCR (n=1)

<b>Individual Report</b>	<b>QCMD 2019 Human Papillomavirus (PreservCyt) EQA Programme</b>				 <b>QCMD</b> Quality Control for Molecular Diagnostics	
<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVPRES19	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> -	<b>Report UID:</b> -/-/2374	<b>Laboratory</b> -

**Groups Rolled Up:** Abbott - Abbott Real Time PCR (n=20), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=5), Cepheid - Cepheid Xpert kit (n=9), Fujirebio - Fujirebio INNO-LiPA (n=7), Seegene - Seegene Real Time PCR (n=20)

## HPVPRES19S-09 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HPVPRES19S-09	HPV18 (Hela)	PreservCyt	DS1_2, D1	Frequently Detected	CORE	97.6	168



<b>Individual Report</b>	<b>QCMD 2019 Human Papillomavirus (PreservCyt) EQA Programme</b>					
<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVPRES19	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> -	<b>Report UID:</b> -/-/2374	<b>Laboratory</b> -

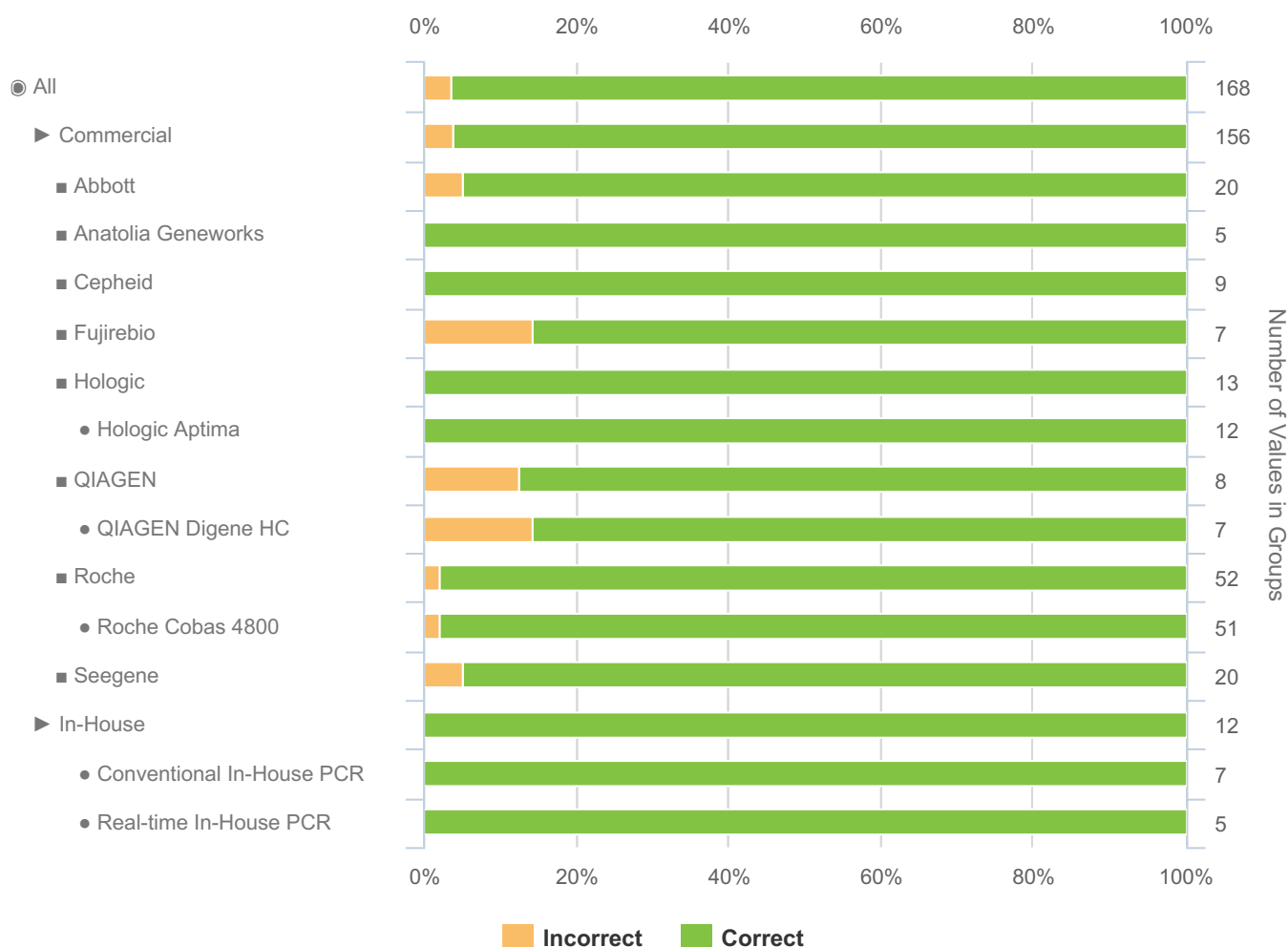
**Groups below n=5:** Applied Biosystems (n=1), Applied Biosystems - Applied Biosystems Real Time PCR (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Onclarity (n=2), Certest (n=2), Certest - Certest Real Time PCR (n=2), DDL Diagnostic Laboratory (n=1), DDL Diagnostic Laboratory - DDL PCR Reagents (n=1), DiaMex (n=1), DiaMex - DiaMex Optiplex (n=1), Genomica (n=4), Genomica - Genomica CLART (n=4), Greiner bio one (n=2), Greiner bio one - Greiner bio-one (n=2), Hologic - Hologic Cervista (n=1), LBP (n=1), LBP - LBP PCR Kit (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=3), NorChip (n=1), NorChip - NorChip (n=1), QIAGEN - QIAGEN Artus Real Time (n=1), Roche - Roche Linear Array (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Vitassay (n=2), Vitassay - Vitassay Real-Time PCR (n=2), fast-track DIAGNOSTICS (n=1), fast-track DIAGNOSTICS - FTD real time PCR (n=1)

**Groups Rolled Up:** Abbott - Abbott Real Time PCR (n=20), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=5), Cepheid - Cepheid Xpert kit (n=9), Fujirebio - Fujirebio INNO-LiPA (n=7), Seegene - Seegene Real Time PCR (n=20)

<b>Individual Report</b>	<b>QCMD 2019 Human Papillomavirus (PreservCyt) EQA Programme</b>				 <b>QCMD</b> Quality Control for Molecular Diagnostics	
<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVPRES19	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> -	<b>Report UID:</b> -/-2374	<b>Laboratory</b> -

#### HPVPRES19S-10 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HPVPRES19S-10	HPV Negative (BSM)	PreservCyt	-	Negative	CORE	96.4	168



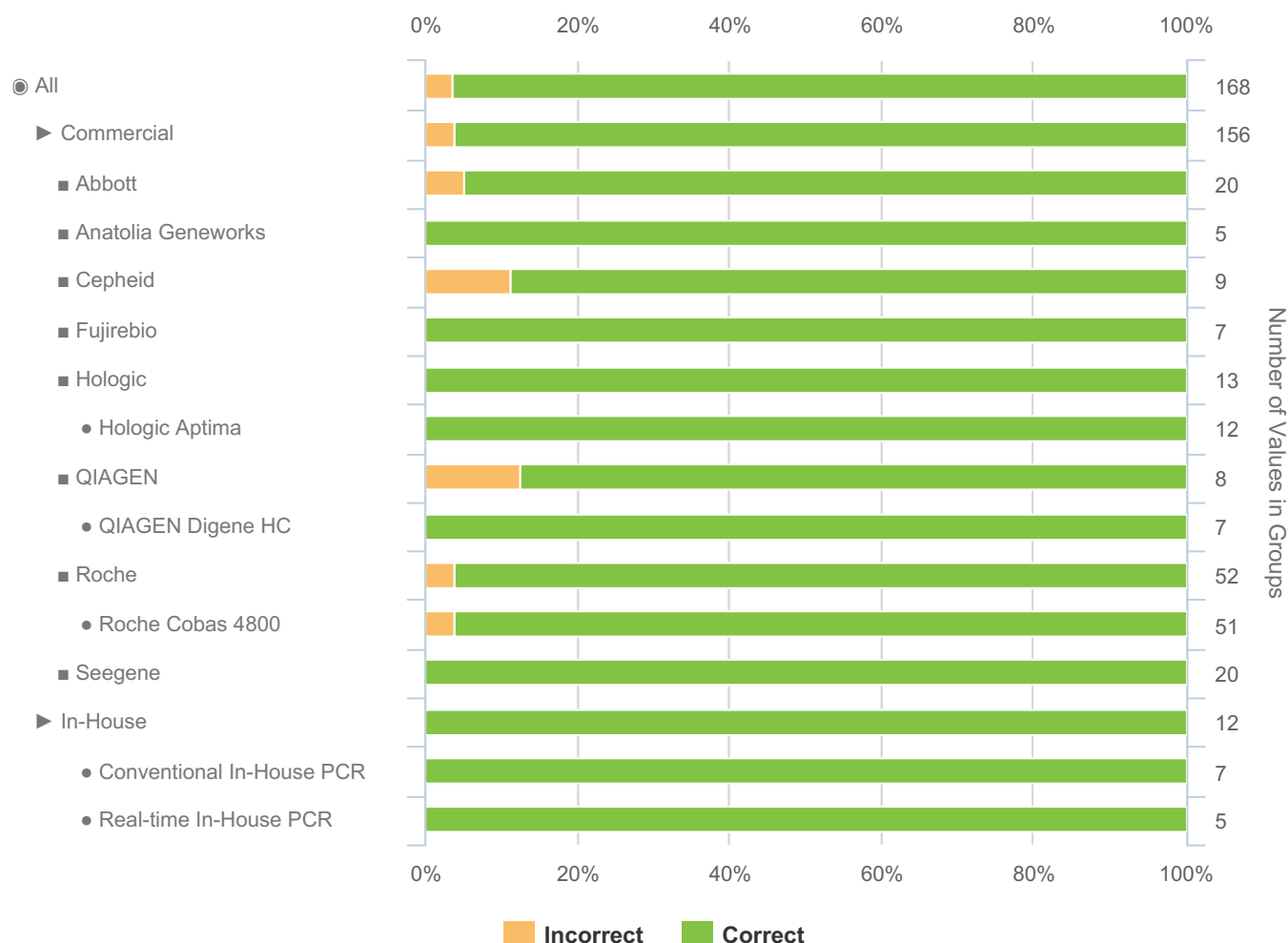
**Groups below n=5:** Applied Biosystems (n=1), Applied Biosystems - Applied Biosystems Real Time PCR (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Onclarity (n=2), Certest (n=2), Certest - Certest Real Time PCR (n=2), DDL Diagnostic Laboratory (n=1), DDL Diagnostic Laboratory - DDL PCR Reagents (n=1), DiaMex (n=1), DiaMex - DiaMex Optiplex (n=1), Genomica (n=4), Genomica - Genomica CLART (n=4), Greiner bio one (n=2), Greiner bio one - Greiner bio-one (n=2), Hologic - Hologic Cervista (n=1), LBP (n=1), LBP - LBP PCR Kit (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=3), NorChip (n=1), NorChip - NorChip (n=1), QIAGEN - QIAGEN Artus Real Time (n=1), Roche - Roche Linear Array (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Vitassay (n=2), Vitassay - Vitassay Real-Time PCR (n=2), fast-track DIAGNOSTICS (n=1), fast-track DIAGNOSTICS - FTD real time PCR (n=1)

<b>Individual Report</b>	<b>QCMD 2019 Human Papillomavirus (PreservCyt) EQA Programme</b>				 <b>QCMD</b> Quality Control for Molecular Diagnostics	
<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVPRES19	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> -	<b>Report UID:</b> -/-/2374	<b>Laboratory</b> -

**Groups Rolled Up:** Abbott - Abbott Real Time PCR (n=20), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=5), Cepheid - Cepheid Xpert kit (n=9), Fujirebio - Fujirebio INNO-LiPA (n=7), Seegene - Seegene Real Time PCR (n=20)

## HPVPRES19S-11 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HPVPRES19S-11	HPV16 (Caski)	PreservCyt	DS2_2, D2	Frequently Detected	CORE	96.4	168



<b>Individual Report</b>	<b>QCMD 2019 Human Papillomavirus (PreservCyt) EQA Programme</b>					
<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVPRES19	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> -	<b>Report UID:</b> -/-/2374	<b>Laboratory</b> -

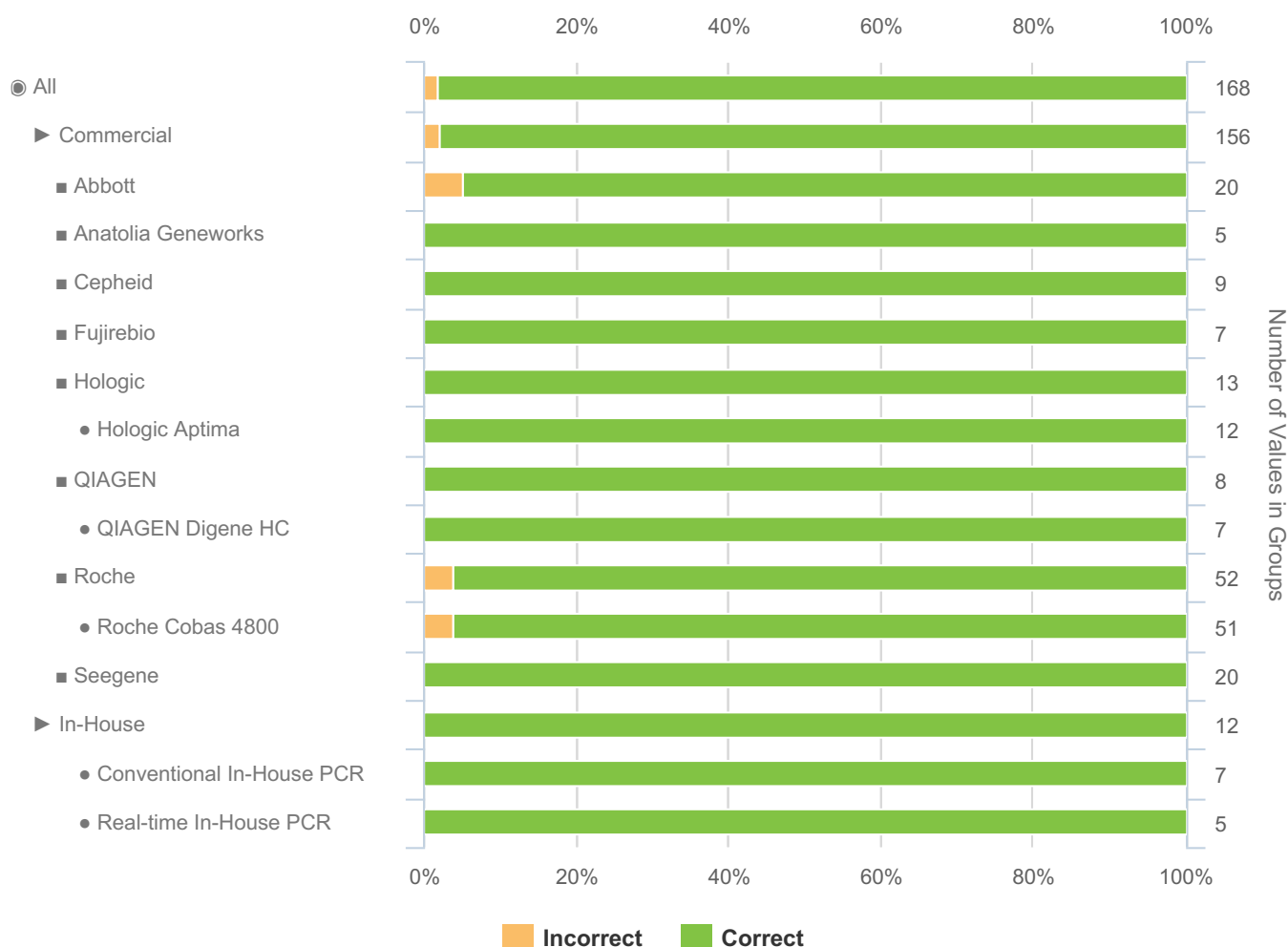
**Groups below n=5:** Applied Biosystems (n=1), Applied Biosystems - Applied Biosystems Real Time PCR (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Onclarity (n=2), Certest (n=2), Certest - Certest Real Time PCR (n=2), DDL Diagnostic Laboratory (n=1), DDL Diagnostic Laboratory - DDL PCR Reagents (n=1), DiaMex (n=1), DiaMex - DiaMex Optiplex (n=1), Genomica (n=4), Genomica - Genomica CLART (n=4), Greiner bio one (n=2), Greiner bio one - Greiner bio-one (n=2), Hologic - Hologic Cervista (n=1), LBP (n=1), LBP - LBP PCR Kit (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=3), NorChip (n=1), NorChip - NorChip (n=1), QIAGEN - QIAGEN Artus Real Time (n=1), Roche - Roche Linear Array (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Vitassay (n=2), Vitassay - Vitassay Real-Time PCR (n=2), fast-track DIAGNOSTICS (n=1), fast-track DIAGNOSTICS - FTD real time PCR (n=1)

**Groups Rolled Up:** Abbott - Abbott Real Time PCR (n=20), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=5), Cepheid - Cepheid Xpert kit (n=9), Fujirebio - Fujirebio INNO-LiPA (n=7), Seegene - Seegene Real Time PCR (n=20)

<b>Individual Report</b>	<b>QCMD 2019 Human Papillomavirus (PreservCyt) EQA Programme</b>				 <b>QCMD</b> Quality Control for Molecular Diagnostics	
<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVPRES19	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> -	<b>Report UID:</b> -/-2374	<b>Laboratory</b> -

#### HPVPRES19S-12 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HPVPRES19S-12	HPV18 (Hela)	PreservCyt	DS1_1	Frequently Detected	CORE	98.2	168



**Groups below n=5:** Applied Biosystems (n=1), Applied Biosystems - Applied Biosystems Real Time PCR (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Onclarity (n=2), Certest (n=2), Certest - Certest Real Time PCR (n=2), DDL Diagnostic Laboratory (n=1), DDL Diagnostic Laboratory - DDL PCR Reagents (n=1), DiaMex (n=1), DiaMex - DiaMex Optiplex (n=1), Genomica (n=4), Genomica - Genomica CLART (n=4), Greiner bio one (n=2), Greiner bio one - Greiner bio-one (n=2), Hologic - Hologic Cervista (n=1), LBP (n=1), LBP - LBP PCR Kit (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=3), NorChip (n=1), NorChip - NorChip (n=1), QIAGEN - QIAGEN Artus Real Time (n=1), Roche - Roche Linear Array (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Vitassay (n=2), Vitassay - Vitassay Real-Time PCR (n=2), fast-track DIAGNOSTICS (n=1), fast-track DIAGNOSTICS - FTD real time PCR (n=1)

<b>Individual Report</b>	<b>QCMD 2019 Human Papillomavirus (PreservCyt) EQA Programme</b>				 <b>QCMD</b> <small>Quality Control for Molecular Diagnostics</small>	
<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVPRES19	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> -	<b>Report UID:</b> -/-/2374	<b>Laboratory</b> -

**Groups Rolled Up:** Abbott - Abbott Real Time PCR (n=20), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=5), Cepheid - Cepheid Xpert kit (n=9), Fujirebio - Fujirebio INNO-LiPA (n=7), Seegene - Seegene Real Time PCR (n=20)

## Additional Educational Samples Information

The following section has been categorised as shown below:

Educational ► Qualitative

## 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.

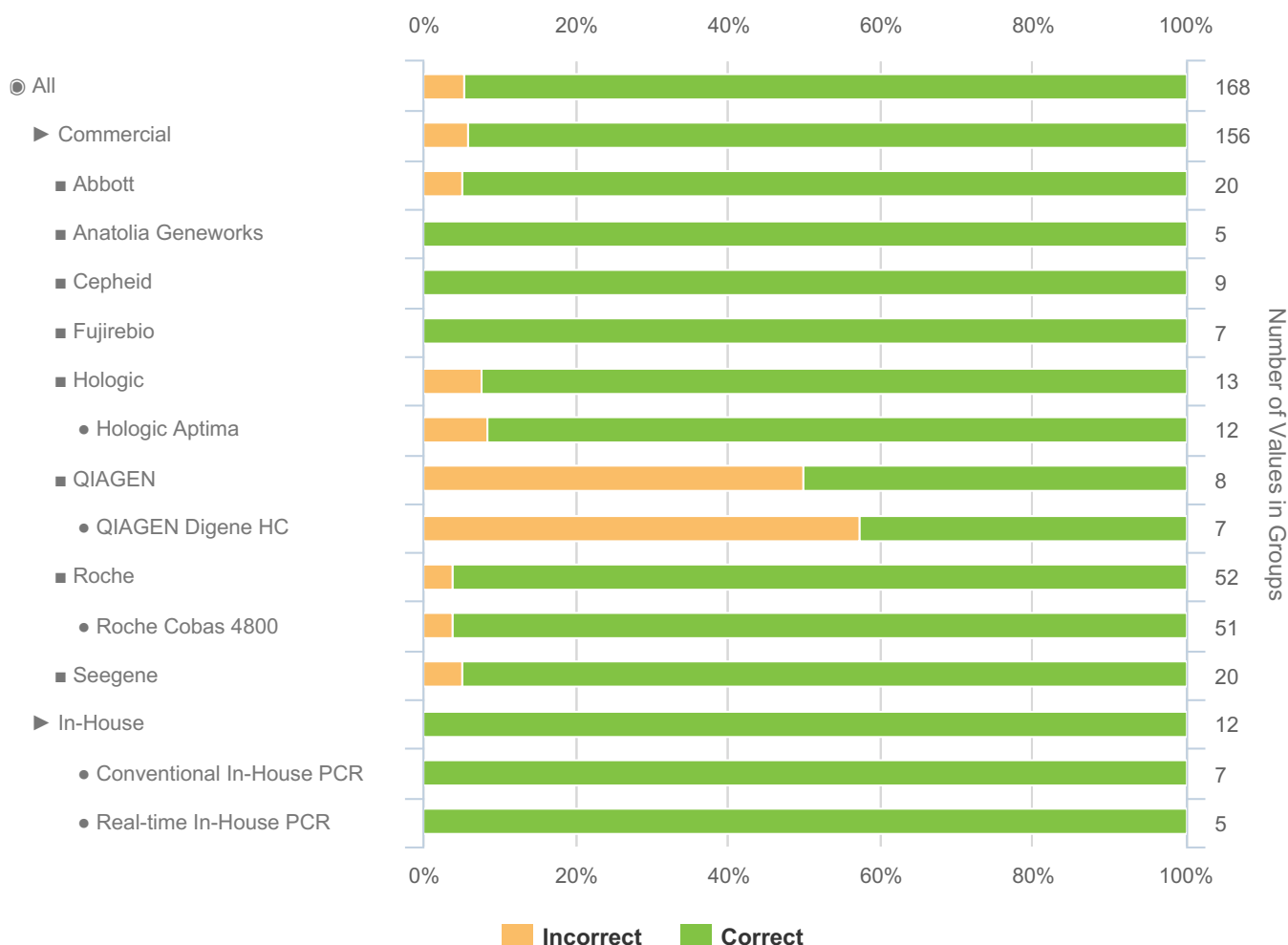
To allow meaningful assessment at the individual method level the EQA assessment group must consist of 5 or more datasets. If there are not sufficient datasets at the individual method level then your results will be included within a higher EQA assessment group based on whether it is a commercial or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

<b>Individual Report</b>	<b>QCMD 2019 Human Papillomavirus (PreservCyt) EQA Programme</b>					
<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVPRES19	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> -	<b>Report UID:</b> -/-2374	<b>Laboratory</b> -

#### HPVPRES19S-04 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HPVPRES19S-04	HPV18 (Hela)	PreservCyt	DS1_3	Detected	EDUCATIONAL	94.6	168



**Groups below n=5:** Applied Biosystems (n=1), Applied Biosystems - Applied Biosystems Real Time PCR (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Onclarity (n=2), Certest (n=2), Certest - Certest Real Time PCR (n=2), DDL Diagnostic Laboratory (n=1), DDL Diagnostic Laboratory - DDL PCR Reagents (n=1), DiaMex (n=1), DiaMex - DiaMex Optiplex (n=1), Genomica (n=4), Genomica - Genomica CLART (n=4), Greiner bio one (n=2), Greiner bio one - Greiner bio-one (n=2), Hologic - Hologic Cervista (n=1), LBP (n=1), LBP - LBP PCR Kit (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=3), NorChip (n=1), NorChip - NorChip (n=1), QIAGEN - QIAGEN Artus Real Time (n=1), Roche - Roche Linear Array (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Vitassay (n=2), Vitassay - Vitassay Real-Time PCR (n=2), fast-track DIAGNOSTICS (n=1), fast-track DIAGNOSTICS - FTD real time PCR (n=1)

<b>Individual Report</b>	<b>QCMD 2019 Human Papillomavirus (PreservCyt) EQA Programme</b>					
<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVPRES19	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> -	<b>Report UID:</b> -/-/2374	<b>Laboratory</b> -

**Groups Rolled Up:** Abbott - Abbott Real Time PCR (n=20), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=5), Cepheid - Cepheid Xpert kit (n=9), Fujirebio - Fujirebio INNO-LiPA (n=7), Seegene - Seegene Real Time PCR (n=20)

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