

Individual Report

QCMD 2018 Human Papillomavirus (Preservcyt) EQA Programme



Catalogue Code: QAV094130	Ref Code: HPV PRES18	Challenge: S	Analysis Type: Custom	Dataset: 254194	Report UID: 4254/254194/1722	Laboratory DE182
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Intended Results / Panel Composition

Sample Code	Sample Content	Matrix	Sample Relationships [1]	Detection Frequency [2]	Sample Status [3]	Percentage Correct (All) [4]	
						(%)	(n)
HPV PRES18S-01	HPV 45 (CC10b)	PreservCyt + BSM cells	D3	Detected	CORE	94.6	148
HPV PRES18S-02	HPV 16 (Caski)	PreservCyt + BSM cells	DS2_3	Frequently Detected	CORE	97.3	148
HPV PRES18S-03	HPV 18 (Hela)	PreservCyt + BSM cells	D1, DS1_2	Frequently Detected	CORE	97.3	148
HPV PRES18S-04	HPV 18 (Hela)	PreservCyt + BSM cells	DS1_3	Detected	EDUCATIONAL	89.2	148
HPV PRES18S-05	HPV 16 (Caski)	PreservCyt + BSM cells	D2, DS2_2	Frequently Detected	CORE	100.0	148
HPV PRES18S-06	HPV 45 (CC10b)	PreservCyt + BSM cells	D3	Detected	CORE	94.6	148
HPV PRES18S-07	HPV 16 (Caski)	PreservCyt + BSM cells	DS2_1	Frequently Detected	CORE	100.0	148
HPV PRES18S-08	HPV Negative	PreservCyt + BSM cells		Negative	CORE	92.6	148
HPV PRES18S-09	HPV 18 (Hela)	PreservCyt + BSM cells	D1, DS1_2	Frequently Detected	CORE	95.9	148
HPV PRES18S-10	HPV Negative	PreservCyt + BSM cells		Negative	CORE	94.6	148
HPV PRES18S-11	HPV 16 (Caski)	PreservCyt + BSM cells	D2, DS2_2	Frequently Detected	CORE	99.3	148
HPV PRES18S-12	HPV 18 (Hela)	PreservCyt + BSM cells	DS1_1	Frequently Detected	CORE	97.3	148

Individual Report	QCMD 2018 Human Papillomavirus (Preservcvt) EQA Programme				 <small>Quality Control for Molecular Diagnostics</small>	
Catalogue Code: QAV094130	Ref Code: HPVPRES18	Challenge: S	Analysis Type: Custom	Dataset: 254194	Report UID: 4254/254194/1722	Laboratory DE182

[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

EQA Assessment Group ^[1]	Commercial
Core Panel Detection (Qualitative) Score ^[2]	0

Core Panel Members Results

Sample Code	Qualitative Results			Your Quantitative Data (for information only) ^[3]		
	Percentage Correct (All) ^[4]	Your Result ^[5]	Detection Score ^[6]	Reported Value	Unitage	Cycle Threshold
HPVPRES18S-01	94.6	Positive	0		Not Applicable	28.5
HPVPRES18S-02	97.3	Positive	0		Not Applicable	28.9
HPVPRES18S-03	97.3	Positive	0		Not Applicable	30.3
HPVPRES18S-05	100.0	Positive	0		Not Applicable	24.8
HPVPRES18S-06	94.6	Positive	0		Not Applicable	28.5
HPVPRES18S-07	100.0	Positive	0		Not Applicable	21.2
HPVPRES18S-08	92.6	Negative	0		Not Applicable	-
HPVPRES18S-09	95.9	Positive	0		Not Applicable	30.4
HPVPRES18S-10	94.6	Negative	0		Not Applicable	-
HPVPRES18S-11	99.3	Positive	0		Not Applicable	25.0
HPVPRES18S-12	97.3	Positive	0		Not Applicable	26.6

Individual Report	QCMD 2018 Human Papillomavirus (Preservcyt) EQA Programme				 <small>Quality Control for Molecular Diagnostics</small>	
Catalogue Code: QAV094130	Ref Code: HPVPRES18	Challenge: S	Analysis Type: Custom	Dataset: 254194	Report UID: 4254/254194/1722	Laboratory DE182

[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.

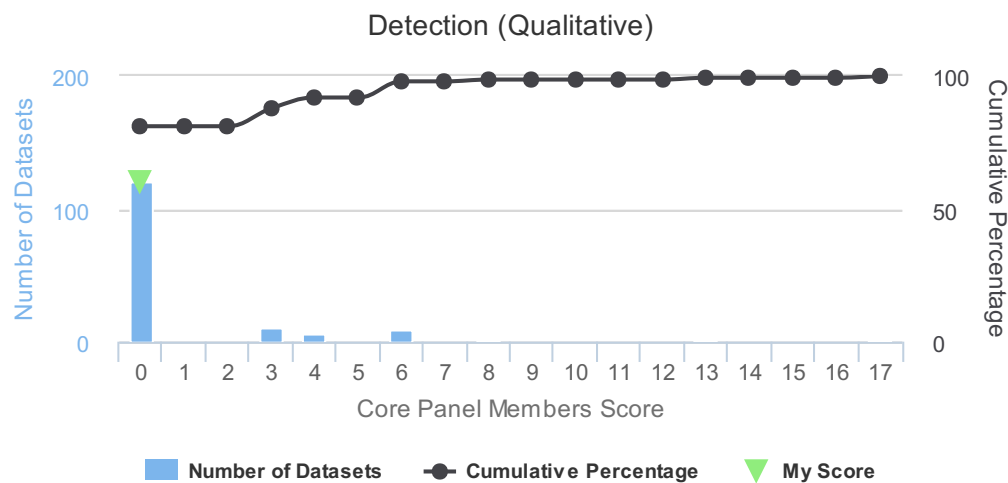
[4] **Percentage Correct (All):** Percentage of datasets (%) reporting the correct qualitative results for each panel member.

[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.

Individual Report	QCMD 2018 Human Papillomavirus (Preservcyt) EQA Programme				 <small>Quality Control for Molecular Diagnostics</small>	
Catalogue Code: QAV094130	Ref Code: HPVPRES18	Challenge: S	Analysis Type: Custom	Dataset: 254194	Report UID: 4254/254194/1722	Laboratory DE182

My Workflow Details

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

Name	HPV Genotype (v2)
Description	
Targets	 human papillomavirus
Assays	<ul style="list-style-type: none">  <i>Extraction</i> - Manual Extraction Process <ul style="list-style-type: none"> • Commercial <ul style="list-style-type: none"> ◦ Kit Manufacturer: <i>BIORON Diagnostics GmbH</i> ◦ Kit Type: <i>RealLine Extraction 100 REF VBC8896</i>  <i>Amplification</i> - DNA Technology - DTlite Real-Time PCR System <ul style="list-style-type: none"> • Multiplex • Commercial <ul style="list-style-type: none"> ◦ Kit Manufacturer: <i>BIORON Diagnostics GmbH</i> ◦ Kit Type: <i>RealLine HPV HCR Genotype REF VBD8482</i> ◦ Kit Version: <i>not applicable</i>

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
HPVPRES18S-04	89.2	Positive	0		Not Applicable	33.2

[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.

Individual Report	QCMD 2018 Human Papillomavirus (Preservcyt) EQA Programme				 <small>Quality Control for Molecular Diagnostics</small>	
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Further Programme Details

Number of Participants	124
Number of Countries	24
Number of Respondents	119
Number of Datasets Submitted	148
Qualitative Results Returned	148 (100.0%)

EQA Programme Aims

To assess the proficiency of laboratories in the detection of different high risk human papillomavirus (HPV) 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).

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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.

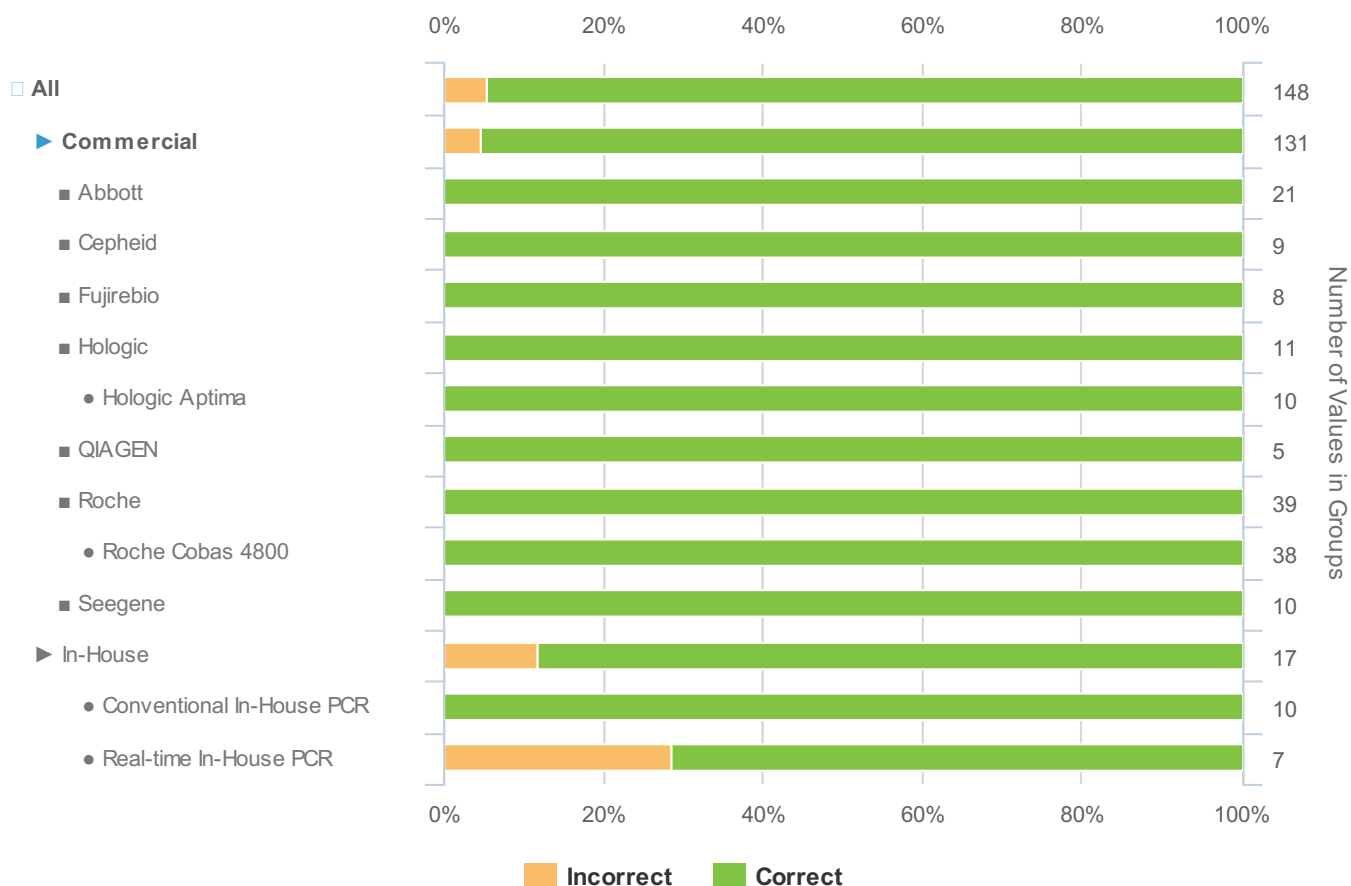
To allow meaningful assessment at the individual method level the EQA assessment group must consist of 5 or more datasets. If there are not sufficient datasets at the individual method level then your results will be included within a higher EQA assessment group based on whether it is a commercial or 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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HPVPRES18S-01 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HPVPRES18S-01	HPV45 (CC10b)	PreservCyt + BSM cells	D3	Detected	CORE	94.6	148



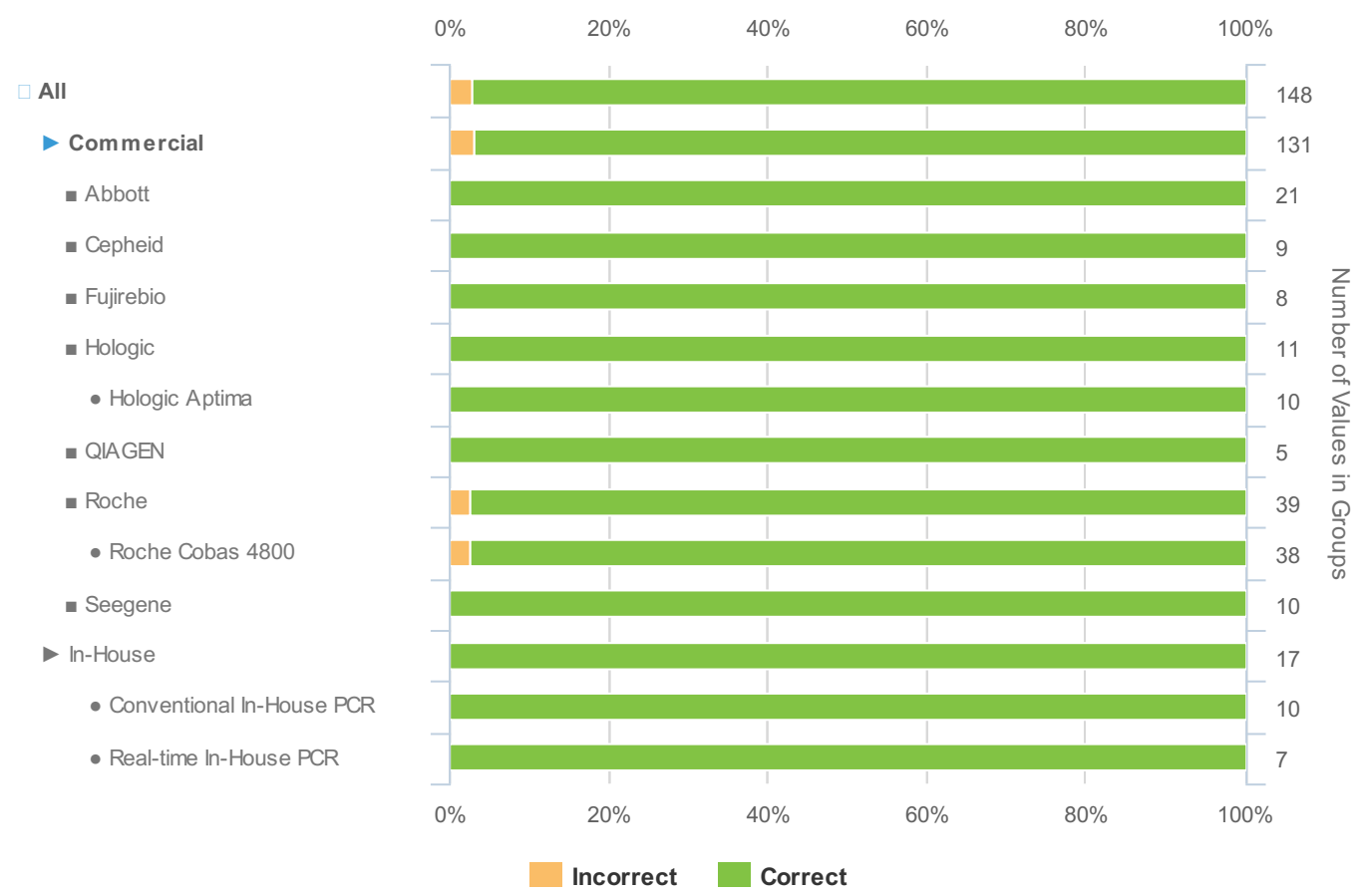
Groups below n=5: AB Analytica (n=1), AB Analytica - AB Analytica AMPLIQUALITY (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Onclarity (n=1), BD Molecular Diagnostics - BD Real Time PCR (n=1), BIORON (n=2), BIORON - BIORON RealLine (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), 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=3), Greiner bio one - Greiner bio-one (n=3), Hologic - Hologic Cervista (n=1), InterLabService (n=3), InterLabService - InterLabService AmpliSens (n=3), 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), Roche - Roche Linear Array (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Self-Screen (n=1), Self-Screen - Self-Screen Real Time PCR (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), fast-track DIAGNOSTICS (n=2), fast-track DIAGNOSTICS - FTD real time PCR (n=2)

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Groups Rolled Up: Abbott - Abbott Real Time PCR (n=21), Cepheid - Cepheid Xpert kit (n=9), Fujirebio - Fujirebio INNO-LiPA (n=8), QIAGEN - QIAGEN Digene HC (n=5), Seegene - Seegene Real Time PCR (n=10)

HPVPRES18S-02 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HPVPRES18S-02	HPV 16 (Caski)	PreservCyt + BSM cells	DS2_3	Frequently Detected	CORE	97.3	148



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Groups below n=5: AB Analitica (n=1), AB Analitica - AB Analitica AMPLIQUALITY (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Onclarity (n=1), BD Molecular Diagnostics - BD Real Time PCR (n=1), BIORON (n=2), BIORON - BIORON RealLine (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), 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=3), Greiner bio one - Greiner bio-one (n=3), Hologic - Hologic Cervista (n=1), InterLabService (n=3), InterLabService - InterLabService AmpliSens (n=3), 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), Roche - Roche Linear Array (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Self-Screen (n=1), Self-Screen - Self-Screen Real Time PCR (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), fast-track DIAGNOSTICS (n=2), fast-track DIAGNOSTICS - FTD real time PCR (n=2)

Groups Rolled Up: Abbott - Abbott Real Time PCR (n=21), Cepheid - Cepheid Xpert kit (n=9), Fujirebio - Fujirebio INNO-LiPA (n=8), QIAGEN - QIAGEN Digene HC (n=5), Seegene - Seegene Real Time PCR (n=10)

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Catalogue Code: QAV094130	Ref Code: HPVPRES18	Challenge: S	Analysis Type: Custom	Dataset: 254194	Report UID: 4254/254194/1722	Laboratory DE182	

HPVPRES18S-03 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HPVPRES18S-03	HPV18 (Hela)	PreservCyt + BSM cells	D1, DS1_2	Frequently Detected	CORE	97.3	148



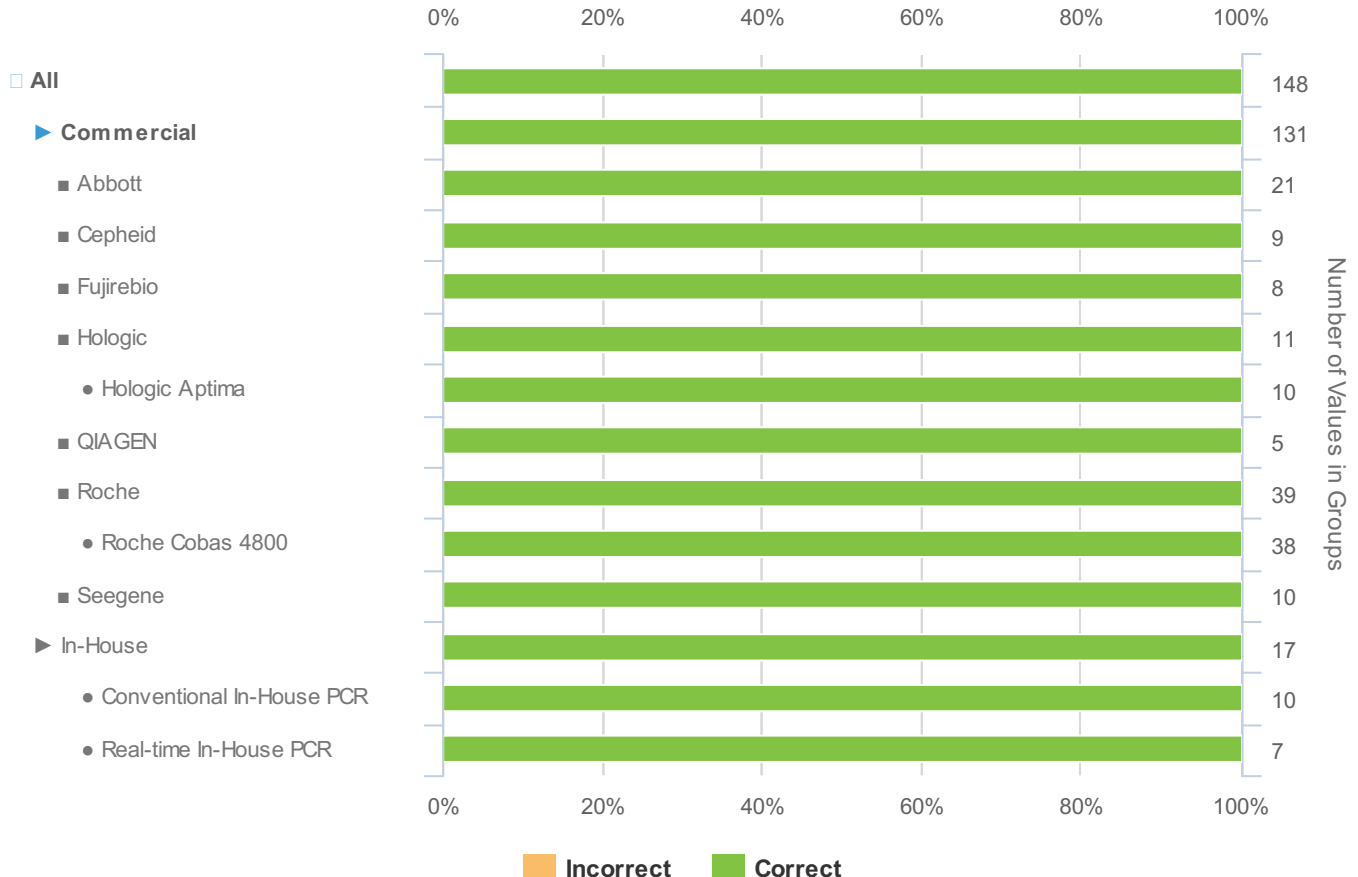
Groups below n=5: AB Analytica (n=1), AB Analytica - AB Analytica AMPLIQUALITY (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Onclarity (n=1), BD Molecular Diagnostics - BD Real Time PCR (n=1), BIORON (n=2), BIORON - BIORON RealLine (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), 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=3), Greiner bio one - Greiner bio-one (n=3), Hologic - Hologic Cervista (n=1), InterLabService (n=3), InterLabService - InterLabService AmpliSens (n=3), 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), Roche - Roche Linear Array (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Self-Screen (n=1), Self-Screen - Self-Screen Real Time PCR (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), fast-track DIAGNOSTICS (n=2), fast-track DIAGNOSTICS - FTD real time PCR (n=2)

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Groups Rolled Up: Abbott - Abbott Real Time PCR (n=21), Cepheid - Cepheid Xpert kit (n=9), Fujirebio - Fujirebio INNO-LiPA (n=8), QIAGEN - QIAGEN Digene HC (n=5), Seegene - Seegene Real Time PCR (n=10)

HPVPRES18S-05 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HPVPRES18S-05	HPV 16 (Caski)	PreservCyt + BSM cells	D2, DS2_2	Frequently Detected	CORE	100.0	148



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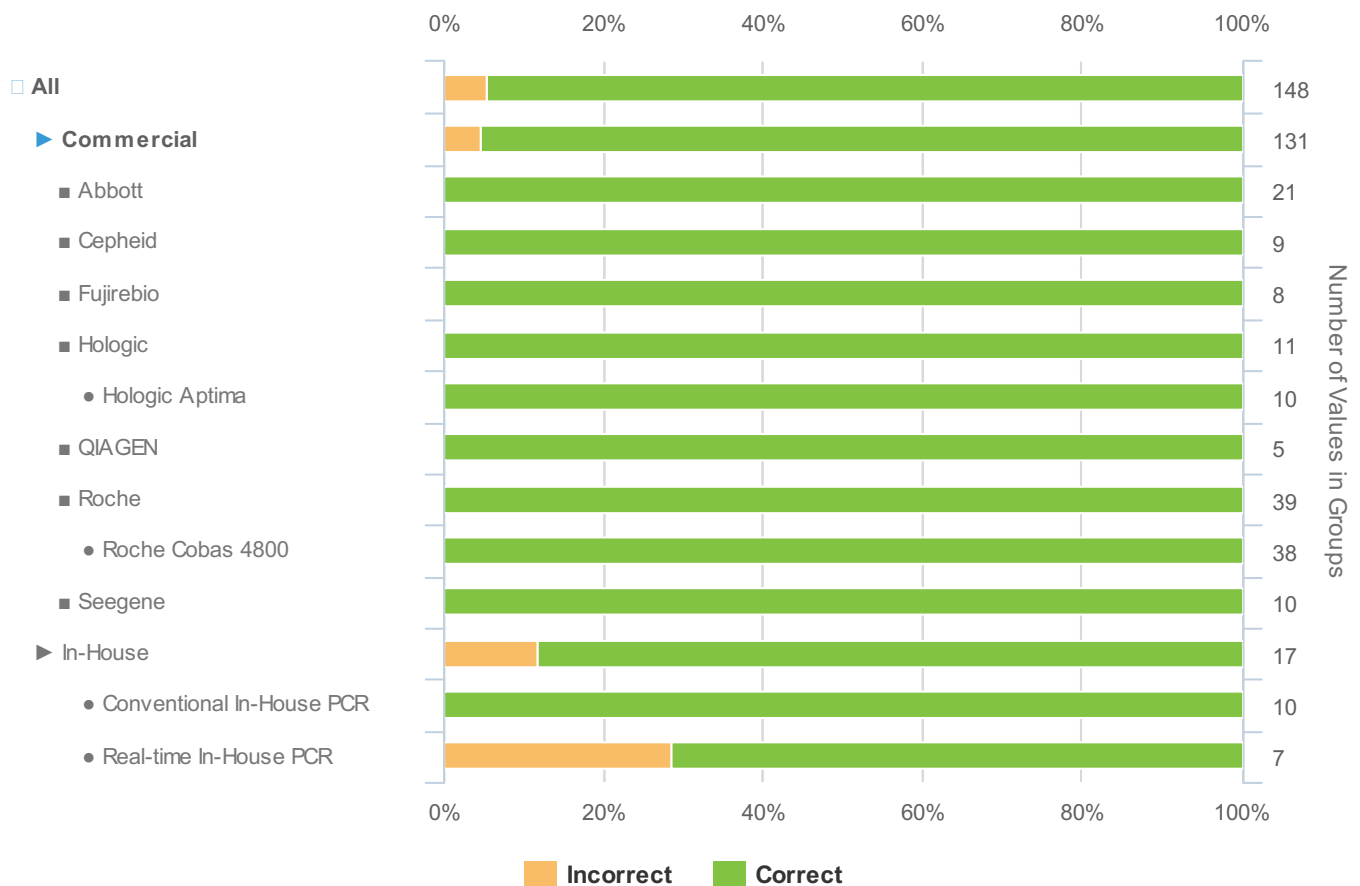
Groups below n=5: AB Analitica (n=1), AB Analitica - AB Analitica AMPLIQUALITY (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Onclarity (n=1), BD Molecular Diagnostics - BD Real Time PCR (n=1), BIORON (n=2), BIORON - BIORON RealLine (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), 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=3), Greiner bio one - Greiner bio-one (n=3), Hologic - Hologic Cervista (n=1), InterLabService (n=3), InterLabService - InterLabService AmpliSens (n=3), 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), Roche - Roche Linear Array (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Self-Screen (n=1), Self-Screen - Self-Screen Real Time PCR (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), fast-track DIAGNOSTICS (n=2), fast-track DIAGNOSTICS - FTD real time PCR (n=2)

Groups Rolled Up: Abbott - Abbott Real Time PCR (n=21), Cepheid - Cepheid Xpert kit (n=9), Fujirebio - Fujirebio INNO-LiPA (n=8), QIAGEN - QIAGEN Digene HC (n=5), Seegene - Seegene Real Time PCR (n=10)

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HPVPRES18S-06 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HPVPRES18S-06	HPV45 (CC10b)	PreservCyt + BSM cells	D3	Detected	CORE	94.6	148



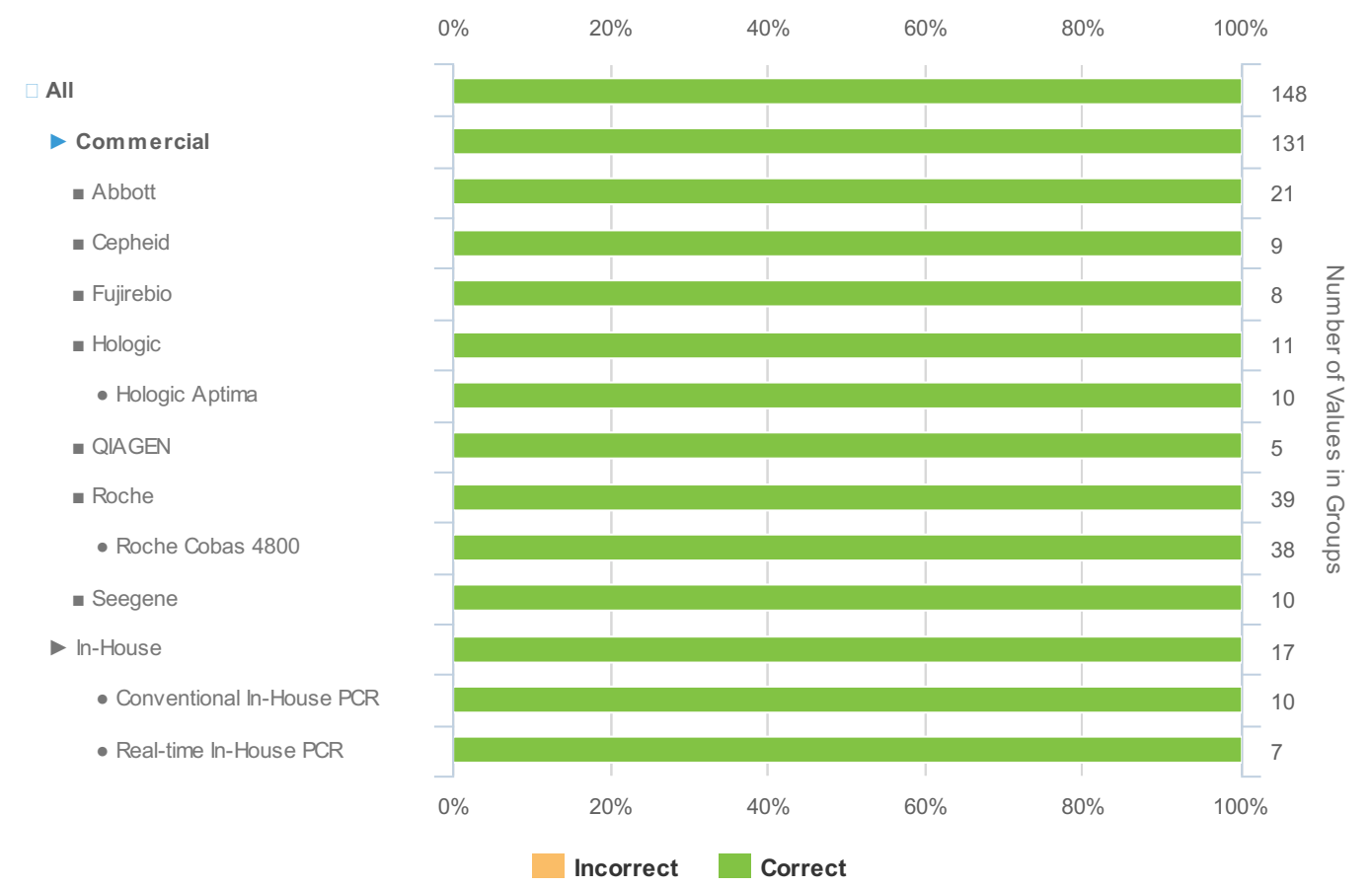
Groups below n=5: AB Analytica (n=1), AB Analytica - AB Analytica AMPLIQUALITY (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Onclarity (n=1), BD Molecular Diagnostics - BD Real Time PCR (n=1), BIORON (n=2), BIORON - BIORON RealLine (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), 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=3), Greiner bio one - Greiner bio-one (n=3), Hologic - Hologic Cervista (n=1), InterLabService (n=3), InterLabService - InterLabService AmpliSens (n=3), 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), Roche - Roche Linear Array (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Self-Screen (n=1), Self-Screen - Self-Screen Real Time PCR (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), fast-track DIAGNOSTICS (n=2), fast-track DIAGNOSTICS - FTD real time PCR (n=2)

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Groups Rolled Up: Abbott - Abbott Real Time PCR (n=21), Cepheid - Cepheid Xpert kit (n=9), Fujirebio - Fujirebio INNO-LiPA (n=8), QIAGEN - QIAGEN Digene HC (n=5), Seegene - Seegene Real Time PCR (n=10)

HPVPRES18S-07 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HPVPRES18S-07	HPV 16 (Caski)	PreservCyt + BSM cells	DS2_1	Frequently Detected	CORE	100.0	148



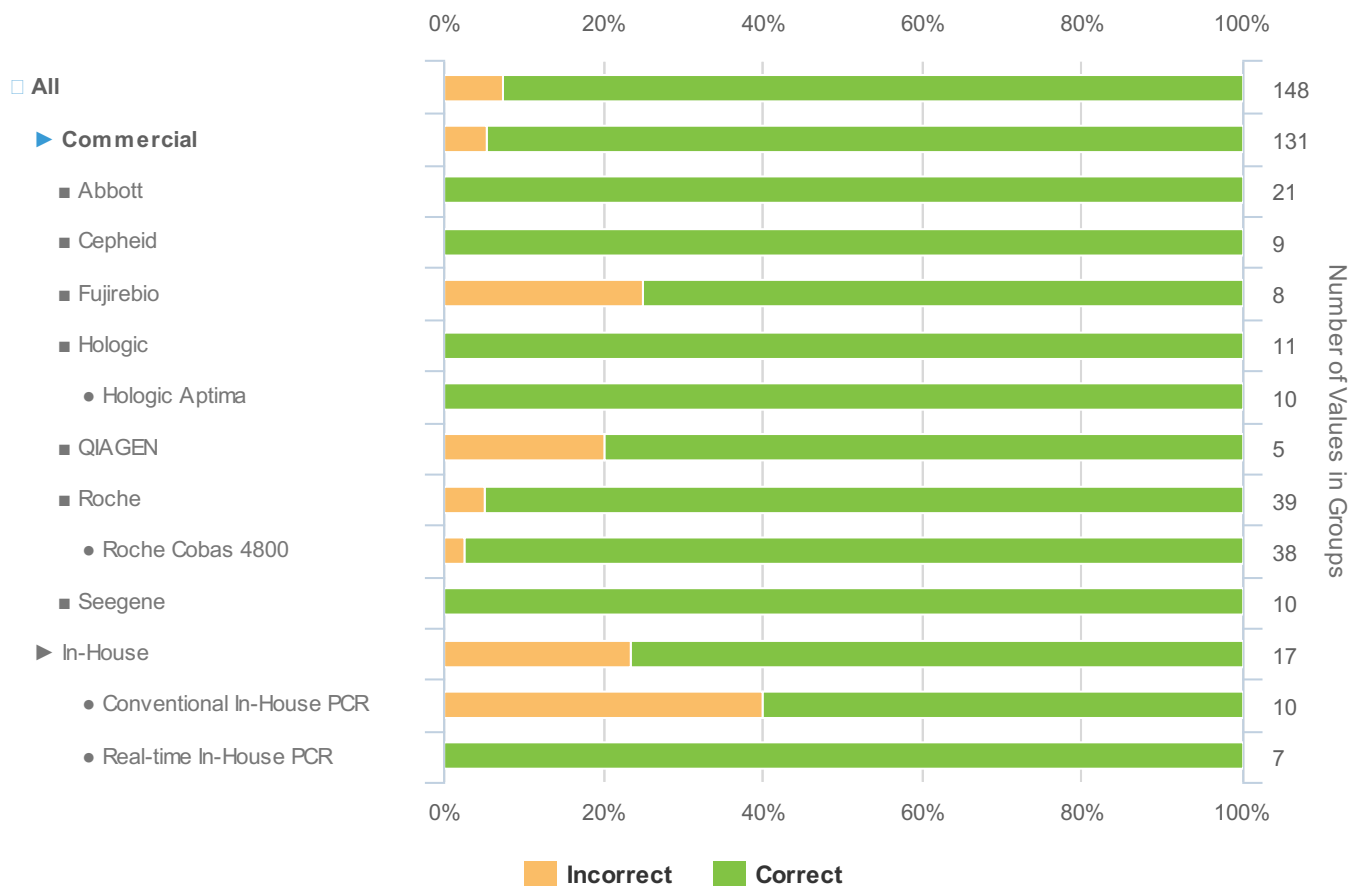
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	Catalogue Code: QAV094130	Ref Code: HPVPRES18	Challenge: S	Analysis Type: Custom	Dataset: 254194	Report UID: 4254/254194/1722

Groups below n=5: AB Analitica (n=1), AB Analitica - AB Analitica AMPLIQUALITY (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Onclarity (n=1), BD Molecular Diagnostics - BD Real Time PCR (n=1), BIORON (n=2), BIORON - BIORON RealLine (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), 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=3), Greiner bio one - Greiner bio-one (n=3), Hologic - Hologic Cervista (n=1), InterLabService (n=3), InterLabService - InterLabService AmpliSens (n=3), 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), Roche - Roche Linear Array (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Self-Screen (n=1), Self-Screen - Self-Screen Real Time PCR (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), fast-track DIAGNOSTICS (n=2), fast-track DIAGNOSTICS - FTD real time PCR (n=2)

Groups Rolled Up: Abbott - Abbott Real Time PCR (n=21), Cepheid - Cepheid Xpert kit (n=9), Fujirebio - Fujirebio INNO-LiPA (n=8), QIAGEN - QIAGEN Digene HC (n=5), Seegene - Seegene Real Time PCR (n=10)

HPVPRES18S-08 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HPVPRES18S-08	HPV Negative	PreservCyt + BSM cells		Negative	CORE	92.6	148



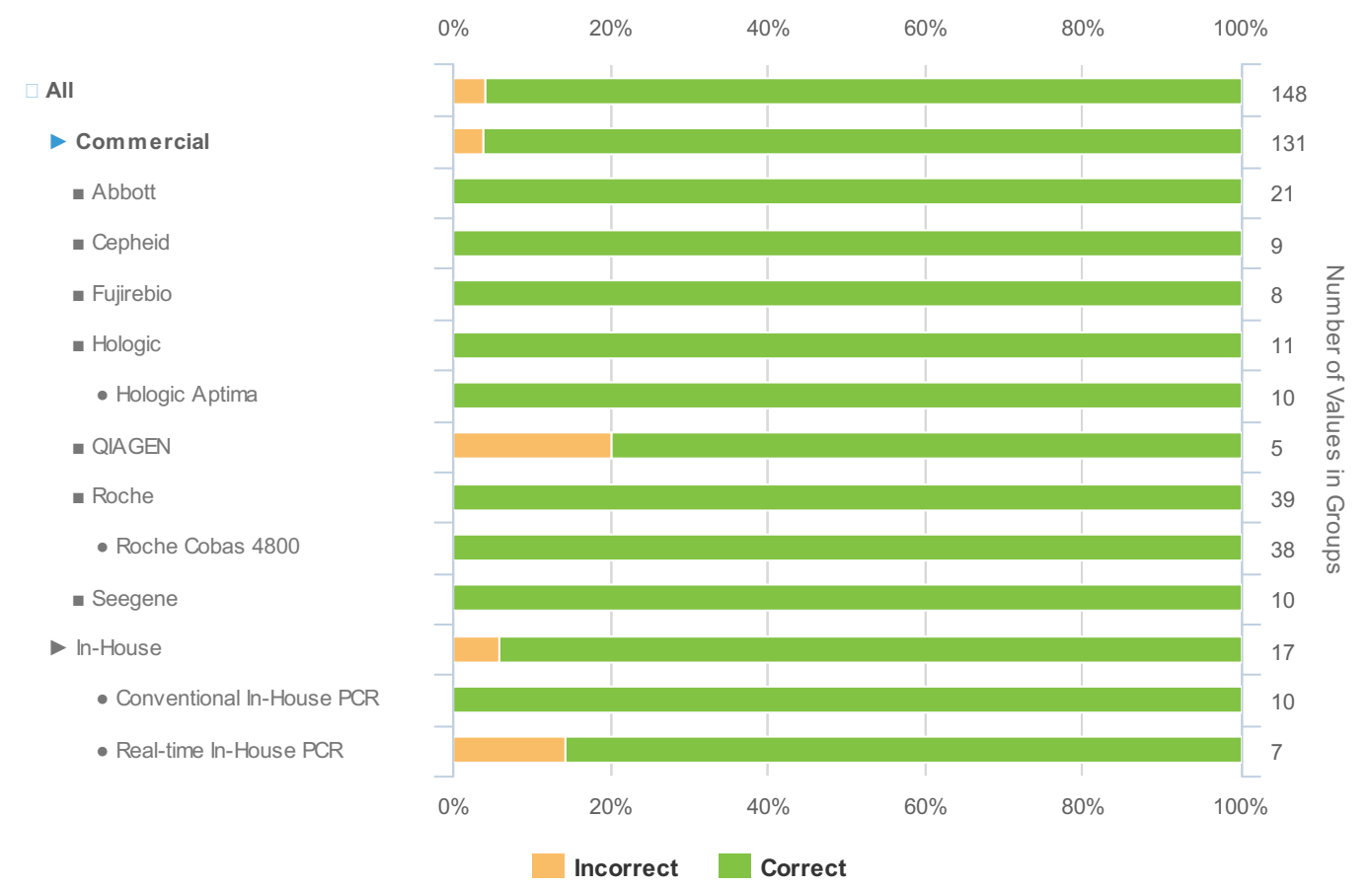
Groups below n=5: AB Analytica (n=1), AB Analytica - AB Analytica AMPLIQUALITY (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Onclarity (n=1), BD Molecular Diagnostics - BD Real Time PCR (n=1), BIORON (n=2), BIORON - BIORON RealLine (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), 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=3), Greiner bio one - Greiner bio-one (n=3), Hologic - Hologic Cervista (n=1), InterLabService (n=3), InterLabService - InterLabService AmpliSens (n=3), 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), Roche - Roche Linear Array (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Self-Screen (n=1), Self-Screen - Self-Screen Real Time PCR (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), fast-track DIAGNOSTICS (n=2), fast-track DIAGNOSTICS - FTD real time PCR (n=2)

Individual Report	QCMD 2018 Human Papillomavirus (Preservcyt) EQA Programme					
	Catalogue Code: QAV094130	Ref Code: HPVPRES18	Challenge: S	Analysis Type: Custom	Dataset: 254194	Report UID: 4254/254194/1722

Groups Rolled Up: Abbott - Abbott Real Time PCR (n=21), Cepheid - Cepheid Xpert kit (n=9), Fujirebio - Fujirebio INNO-LiPA (n=8), QIAGEN - QIAGEN Digene HC (n=5), Seegene - Seegene Real Time PCR (n=10)

HPVPRES18S-09 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HPVPRES18S-09	HPV 18 (Hela)	PreservCyt + BSM cells	D1, DS1_2	Frequently Detected	CORE	95.9	148



Individual Report	QCMD 2018 Human Papillomavirus (Preservcyt) EQA Programme					
	Catalogue Code: QAV094130	Ref Code: HPVPRES18	Challenge: S	Analysis Type: Custom	Dataset: 254194	Report UID: 4254/254194/1722

Groups below n=5: AB Analitica (n=1), AB Analitica - AB Analitica AMPLIQUALITY (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Onclarity (n=1), BD Molecular Diagnostics - BD Real Time PCR (n=1), BIORON (n=2), BIORON - BIORON RealLine (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), 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=3), Greiner bio one - Greiner bio-one (n=3), Hologic - Hologic Cervista (n=1), InterLabService (n=3), InterLabService - InterLabService AmpliSens (n=3), 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), Roche - Roche Linear Array (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Self-Screen (n=1), Self-Screen - Self-Screen Real Time PCR (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), fast-track DIAGNOSTICS (n=2), fast-track DIAGNOSTICS - FTD real time PCR (n=2)

Groups Rolled Up: Abbott - Abbott Real Time PCR (n=21), Cepheid - Cepheid Xpert kit (n=9), Fujirebio - Fujirebio INNO-LiPA (n=8), QIAGEN - QIAGEN Digene HC (n=5), Seegene - Seegene Real Time PCR (n=10)

Individual Report	QCMD 2018 Human Papillomavirus (Preservcyt) EQA Programme					
	Catalogue Code: QAV094130	Ref Code: HPVPRES18	Challenge: S	Analysis Type: Custom	Dataset: 254194	Report UID: 4254/254194/1722

HPVPRES18S-10 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HPVPRES18S-10	HPV Negative	PreservCyt + BSM cells		Negative	CORE	94.6	148



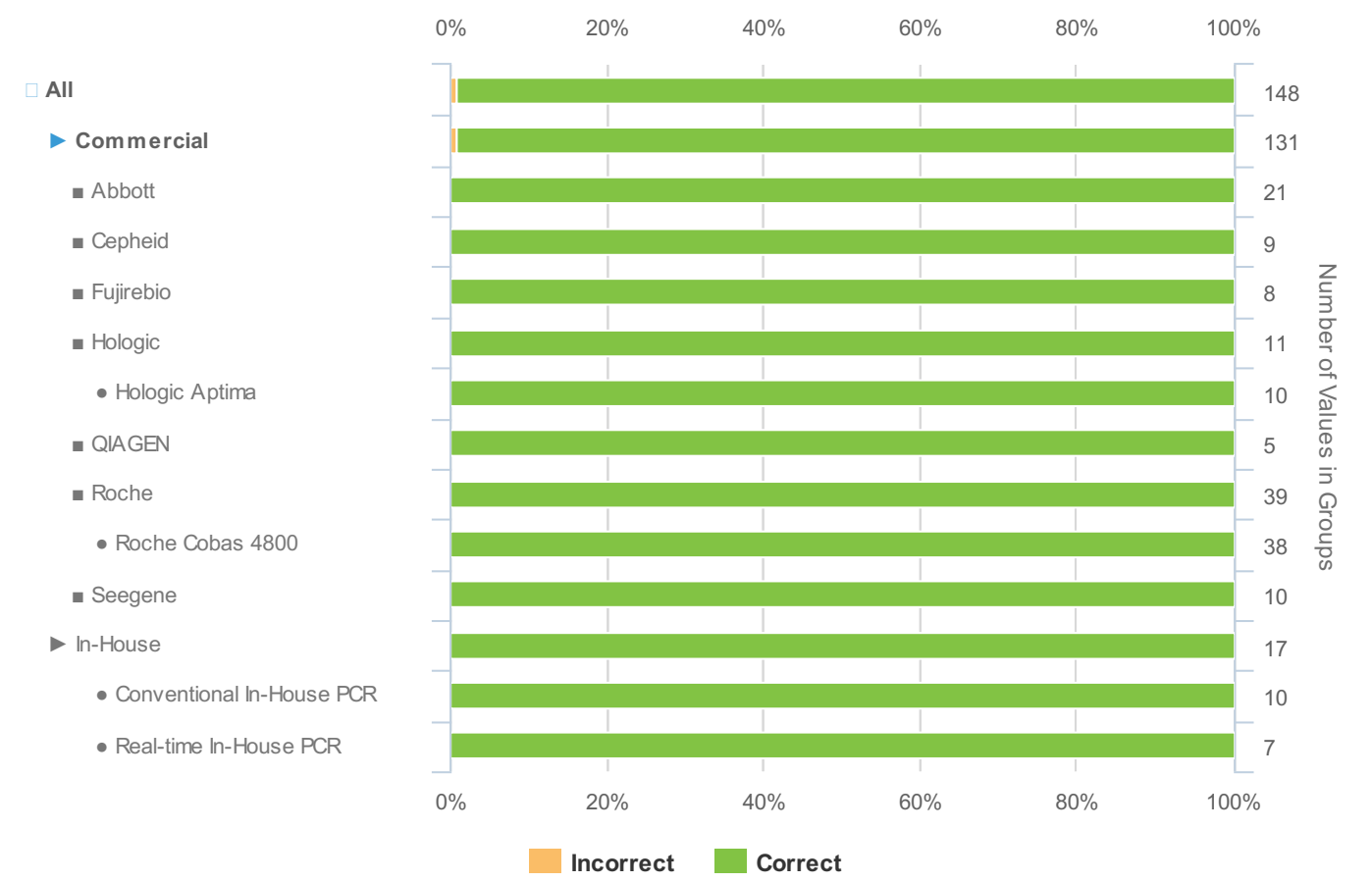
Groups below n=5: AB Analytica (n=1), AB Analytica - AB Analytica AMPLIQUALITY (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Onclarity (n=1), BD Molecular Diagnostics - BD Real Time PCR (n=1), BIORON (n=2), BIORON - BIORON RealLine (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), 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=3), Greiner bio one - Greiner bio-one (n=3), Hologic - Hologic Cervista (n=1), InterLabService (n=3), InterLabService - InterLabService AmpliSens (n=3), 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), Roche - Roche Linear Array (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Self-Screen (n=1), Self-Screen - Self-Screen Real Time PCR (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), fast-track DIAGNOSTICS (n=2), fast-track DIAGNOSTICS - FTD real time PCR (n=2)

Catalogue Code: QAV094130	Ref Code: HPVPRES18	Challenge: S	Analysis Type: Custom	Dataset: 254194	Report UID: 4254/254194/1722	Laboratory DE182
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Groups Rolled Up: Abbott - Abbott Real Time PCR (n=21), Cepheid - Cepheid Xpert kit (n=9), Fujirebio - Fujirebio INNO-LiPA (n=8), QIAGEN - QIAGEN Digene HC (n=5), Seegene - Seegene Real Time PCR (n=10)

HPVPRES18S-11 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HPVPRES18S-11	HPV 16 (Caski)	PreservCyt + BSM cells	D2, DS2_2	Frequently Detected	CORE	99.3	148



Individual Report**QCMD 2018 Human Papillomavirus (Preservcyt) EQA Programme**

Catalogue Code: QAV094130	Ref Code: HPVPRES18	Challenge: S	Analysis Type: Custom	Dataset: 254194	Report UID: 4254/254194/1722	Laboratory DE182
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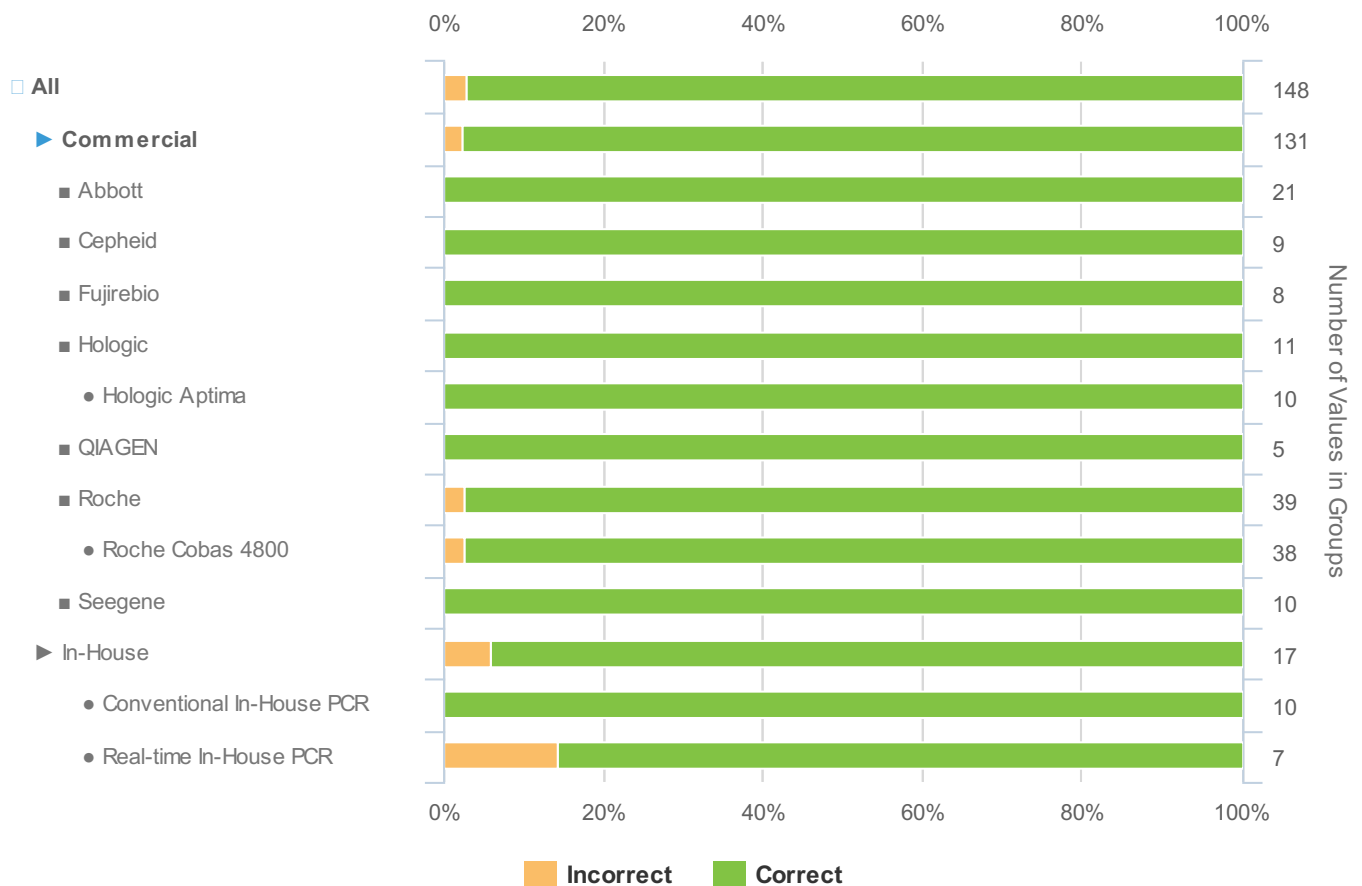
Groups below n=5: AB Analitica (n=1), AB Analitica - AB Analitica AMPLIQUALITY (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Onclarity (n=1), BD Molecular Diagnostics - BD Real Time PCR (n=1), BIORON (n=2), BIORON - BIORON RealLine (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), 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=3), Greiner bio one - Greiner bio-one (n=3), Hologic - Hologic Cervista (n=1), InterLabService (n=3), InterLabService - InterLabService AmpliSens (n=3), 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), Roche - Roche Linear Array (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Self-Screen (n=1), Self-Screen - Self-Screen Real Time PCR (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), fast-track DIAGNOSTICS (n=2), fast-track DIAGNOSTICS - FTD real time PCR (n=2)

Groups Rolled Up: Abbott - Abbott Real Time PCR (n=21), Cepheid - Cepheid Xpert kit (n=9), Fujirebio - Fujirebio INNO-LiPA (n=8), QIAGEN - QIAGEN Digene HC (n=5), Seegene - Seegene Real Time PCR (n=10)

Individual Report	QCMD 2018 Human Papillomavirus (Preservcyt) EQA Programme				 Quality Control for Molecular Diagnostics	
Catalogue Code: QAV094130	Ref Code: HPVPRES18	Challenge: S	Analysis Type: Custom	Dataset: 254194	Report UID: 4254/254194/1722	Laboratory: DE182

HPVPRES18S-12 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HPVPRES18S-12	HPV18 (Hela)	PreservCyt + BSM cells	DS1_1	Frequently Detected	CORE	97.3	148



Groups below n=5: AB Analytica (n=1), AB Analytica - AB Analytica AMPLIQUALITY (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Onclarity (n=1), BD Molecular Diagnostics - BD Real Time PCR (n=1), BIORON (n=2), BIORON - BIORON RealLine (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), 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=3), Greiner bio one - Greiner bio-one (n=3), Hologic - Hologic Cervista (n=1), InterLabService (n=3), InterLabService - InterLabService AmpliSens (n=3), 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), Roche - Roche Linear Array (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Self-Screen (n=1), Self-Screen - Self-Screen Real Time PCR (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), fast-track DIAGNOSTICS (n=2), fast-track DIAGNOSTICS - FTD real time PCR (n=2)

Individual Report	QCMD 2018 Human Papillomavirus (Preservcyt) EQA Programme					
	Catalogue Code: QAV094130	Ref Code: HPVPRES18	Challenge: S	Analysis Type: Custom	Dataset: 254194	Report UID: 4254/254194/1722

Groups Rolled Up: Abbott - Abbott Real Time PCR (n=21), Cepheid - Cepheid Xpert kit (n=9), Fujirebio - Fujirebio INNO-LiPA (n=8), QIAGEN - QIAGEN Digene HC (n=5), Seegene - Seegene Real Time PCR (n=10)

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.

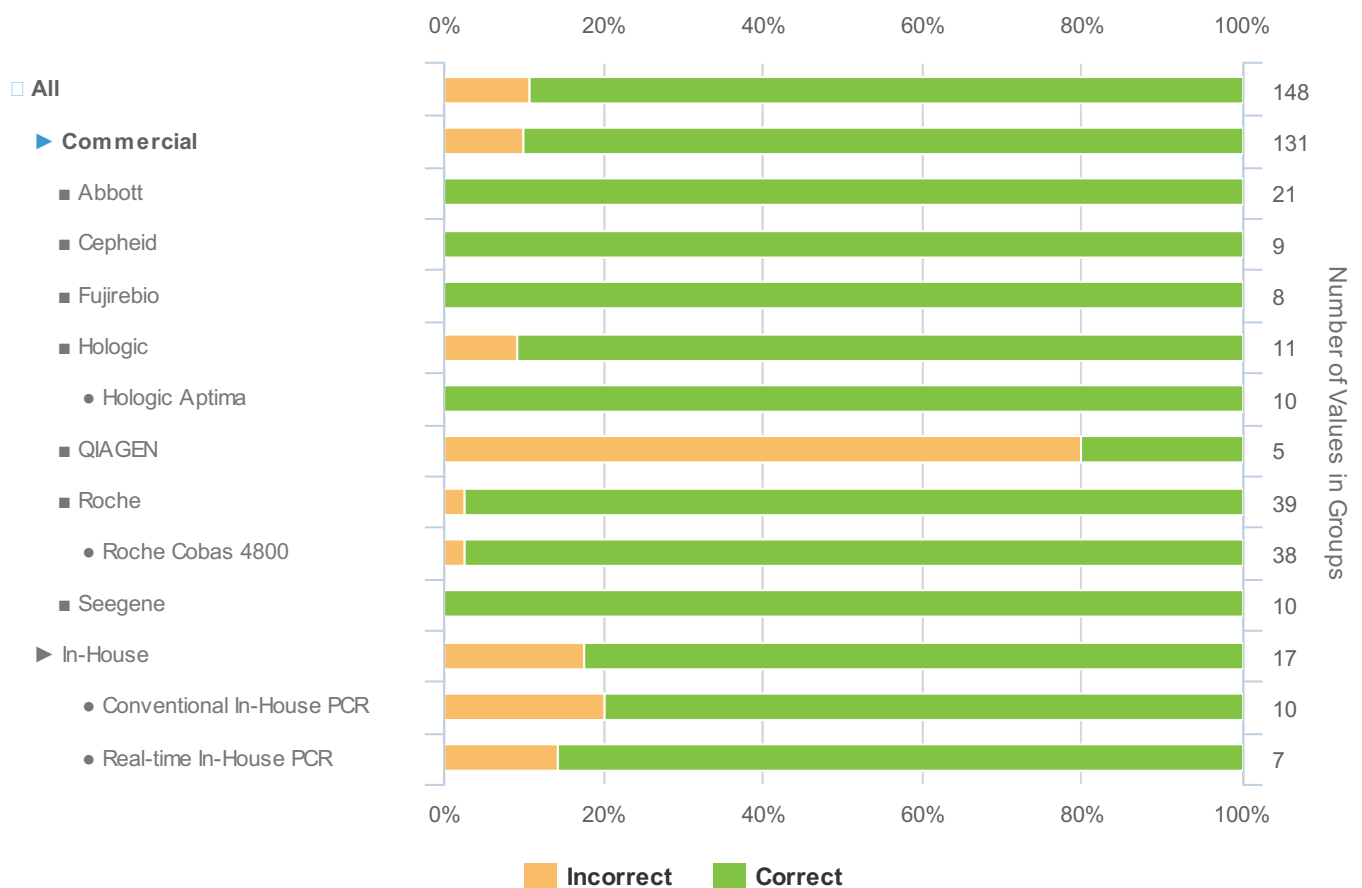
To allow meaningful assessment at the individual method level the EQA assessment group must consist of 5 or more datasets. If there are not sufficient datasets at the individual method level then your results will be included within a higher EQA assessment group based on whether it is a commercial or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

Individual Report	QCMD 2018 Human Papillomavirus (Preservcyt) EQA Programme					
	Catalogue Code: QAV094130	Ref Code: HPVPRES18	Challenge: S	Analysis Type: Custom	Dataset: 254194	Report UID: 4254/254194/1722

HPVPRES18S-04 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
HPVPRES18S-04	HPV18 (Hela)	PreservCyt + BSM cells	DS1_3	Detected	EDUCATIONAL	89.2	148



Groups below n=5: AB Analytica (n=1), AB Analytica - AB Analytica AMPLIQUALITY (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Onclarity (n=1), BD Molecular Diagnostics - BD Real Time PCR (n=1), BIORON (n=2), BIORON - BIORON RealLine (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), 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=3), Greiner bio one - Greiner bio-one (n=3), Hologic - Hologic Cervista (n=1), InterLabService (n=3), InterLabService - InterLabService AmpliSens (n=3), 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), Roche - Roche Linear Array (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Self-Screen (n=1), Self-Screen - Self-Screen Real Time PCR (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), fast-track DIAGNOSTICS (n=2), fast-track DIAGNOSTICS - FTD real time PCR (n=2)

Individual Report	QCMD 2018 Human Papillomavirus (Preservcyt) EQA Programme					
	Catalogue Code: QAV094130	Ref Code: HPVPRES18	Challenge: S	Analysis Type: Custom	Dataset: 254194	Report UID: 4254/254194/1722

Groups Rolled Up: Abbott - Abbott Real Time PCR (n=21), Cepheid - Cepheid Xpert kit (n=9), Fujirebio - Fujirebio INNO-LiPA (n=8), QIAGEN - QIAGEN Digene HC (n=5), Seegene - Seegene Real Time PCR (n=10)

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