

# Individual Report

# QCMD 2017 Human Papillomavirus DNA EQA Programme



<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVDNA17	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> 181243	<b>Report UID:</b> 4254/181243/1198	<b>Laboratory:</b> 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)
HPVDNA17S-01	HPV45 (CC10b)	PreservCyt +BSM cells	D3	Detected	CORE	94.8	172
HPVDNA17S-02	HPV18 (Hela)	PreservCyt +BSM cells	D2, DS2_2	Frequently Detected	CORE	95.9	172
HPVDNA17S-03	HPV16 (Caski)	PreservCyt +BSM cells	DS1_1	Frequently Detected	CORE	98.3	172
HPVDNA17S-04	HPV18 (Hela)	PreservCyt +BSM cells	D2, DS2_2	Frequently Detected	CORE	95.9	172
HPVDNA17S-05	HPV16 (Caski)	PreservCyt +BSM cells	D1, DS1_2	Frequently Detected	CORE	97.7	172
HPVDNA17S-06	HPV45 (CC10b)	PreservCyt +BSM cells	D3	Detected	CORE	94.8	172
HPVDNA17S-07	Negative	PreservCyt +BSM cells		Negative	CORE	96.5	172
HPVDNA17S-08	Negative	PreservCyt +BSM cells		Negative	CORE	95.3	172
HPVDNA17S-09	HPV16 (Caski)	PreservCyt +BSM cells	D1, DS1_2	Frequently Detected	CORE	98.3	172
HPVDNA17S-10	HPV16 (Caski)	PreservCyt +BSM cells	DS1_3	Frequently Detected	CORE	96.5	172
HPVDNA17S-11	HPV18 (Hela)	PreservCyt +BSM cells	DS2_3	Detected	EDUCATIONAL	85.5	172
HPVDNA17S-12	HPV18 (Hela)	PreservCyt +BSM cells	DS2_1	Frequently Detected	CORE	98.8	172

<b>Individual Report</b>	<b>QCMD 2017 Human Papillomavirus DNA EQA Programme</b>				 <small>Quality Control for Molecular Diagnostics</small>	
<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVDNA17	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> 181243	<b>Report UID:</b> 4254/181243/1198	<b>Laboratory:</b> DE182

[1] **Sample Relationships:** Indicates the relationships of the samples within this challenge. Dilution series are indicated by 'DS1' with each panel member in the dilution series represented by a number in order of titre, where DS1\_1 represents the highest titre within that dilution series. Further dilution series are indicated by 'DS2' 'DS3' 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** <sup>[1]</sup>

Commercial

**Core Panel Detection (Qualitative) Score** <sup>[2]</sup>

0

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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
HPVDNA17S-01	94.8	Positive	0		Not Applicable	26.8
HPVDNA17S-02	95.9	Positive	0		Not Applicable	28.1
HPVDNA17S-03	98.3	Positive	0		Not Applicable	19.0
HPVDNA17S-04	95.9	Positive	0		Not Applicable	28.1
HPVDNA17S-05	97.7	Positive	0		Not Applicable	22.6
HPVDNA17S-06	94.8	Positive	0		Not Applicable	27.2
HPVDNA17S-07	96.5	Negative	0		Not Applicable	-
HPVDNA17S-08	95.3	Negative	0		Not Applicable	-
HPVDNA17S-09	98.3	Positive	0		Not Applicable	23.9
HPVDNA17S-10	96.5	Positive	0		Not Applicable	27.2
HPVDNA17S-11	85.5	Positive	0		Not Applicable	31.9
HPVDNA17S-12	98.8	Positive	0		Not Applicable	25.2

[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.

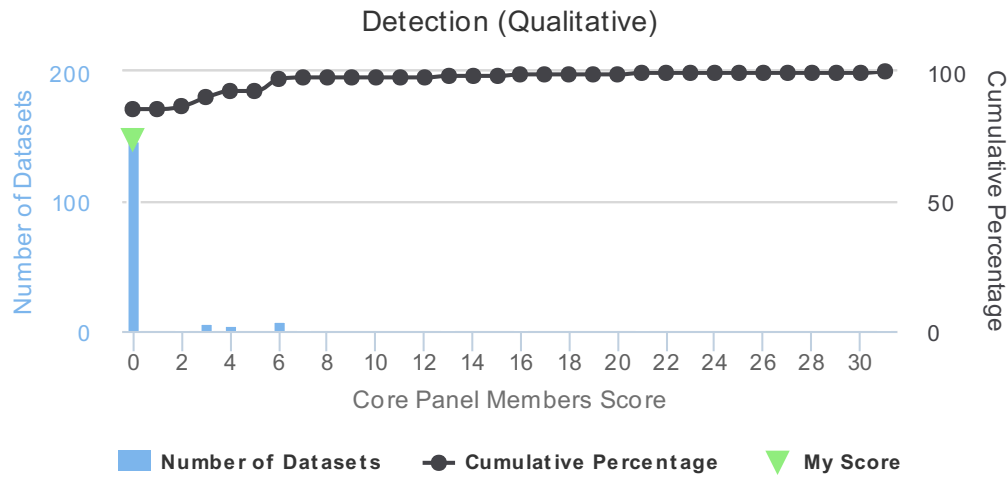
[5] **Your Result:** The qualitative result you reported for each sample within this EQA challenge / distribution.

[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.**

<b>Individual Report</b>	<b>QCMD 2017 Human Papillomavirus DNA EQA Programme</b>				 <small>Quality Control for Molecular Diagnostics</small>	
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### 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.*

### My Workflow Details

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

<b>Name</b>	HPV Genotype (v2)
<b>Description</b>	
<b>Targets</b>	<span style="background-color: yellow; border-radius: 50%; padding: 2px;">V</span> human papillomavirus
<b>Assays</b>	<div style="margin-bottom: 10px;"> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">A</span> <i>Extraction - Manual Extraction Process</i> <ul style="list-style-type: none"> <li>● Commercial           <ul style="list-style-type: none"> <li>○ Kit Manufacturer: <i>BIORON Diagnostics GmbH</i></li> <li>○ Kit Type: <i>RealLine Extraction 100 REF VBC8896</i></li> </ul> </li> </ul> </div> <div> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">R</span> <i>Amplification - DNA Technology - DTlite Real-Time PCR System</i> <ul style="list-style-type: none"> <li>● Multiplex</li> <li>● Commercial           <ul style="list-style-type: none"> <li>○ Kit Manufacturer: <i>BIORON Diagnostics GmbH</i></li> <li>○ Kit Type: <i>RealLine HPV HCR Genotype REF VBD8482</i></li> <li>○ Kit Version: <i>not applicable</i></li> </ul> </li> </ul> </div>

<b>Individual Report</b>	<b>QCMD 2017 Human Papillomavirus DNA EQA Programme</b>				 <small>Quality Control for Molecular Diagnostics</small>	
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### Further Programme Details

Number of Participants	148
Number of Countries	30
Number of Respondents	138
Number of Datasets Submitted	172
Qualitative Results Returned	172 (100.0%)

### EQA Programme Aims

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

### 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)).

### Additional Information: 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.

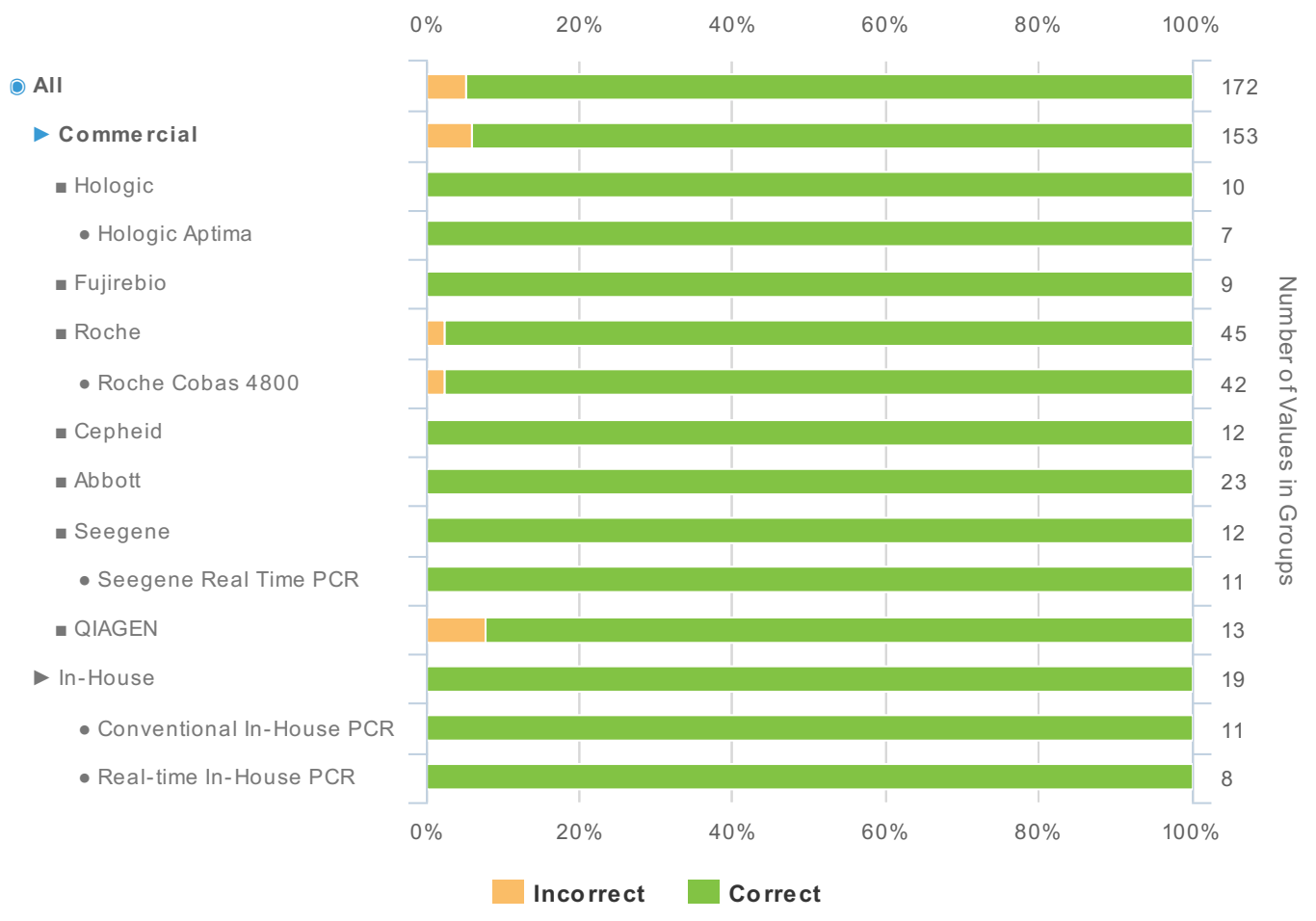
To allow meaningful assessment at the individual method level the EQA assessment group must consist of 5 or more datasets. If there are not sufficient datasets at the individual method level then your results will be included within a higher EQA assessment group based on whether it is a commercial or 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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**HPVDNA17S-01 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct All	
						(%)	(n)
HPVDNA17S-01	HPV45 (CC10b)	PreservCyt +BSM cells	D3	Detected	CORE	94.8	172



**Individual Report****QCMD 2017 Human Papillomavirus DNA  
EQA Programme**

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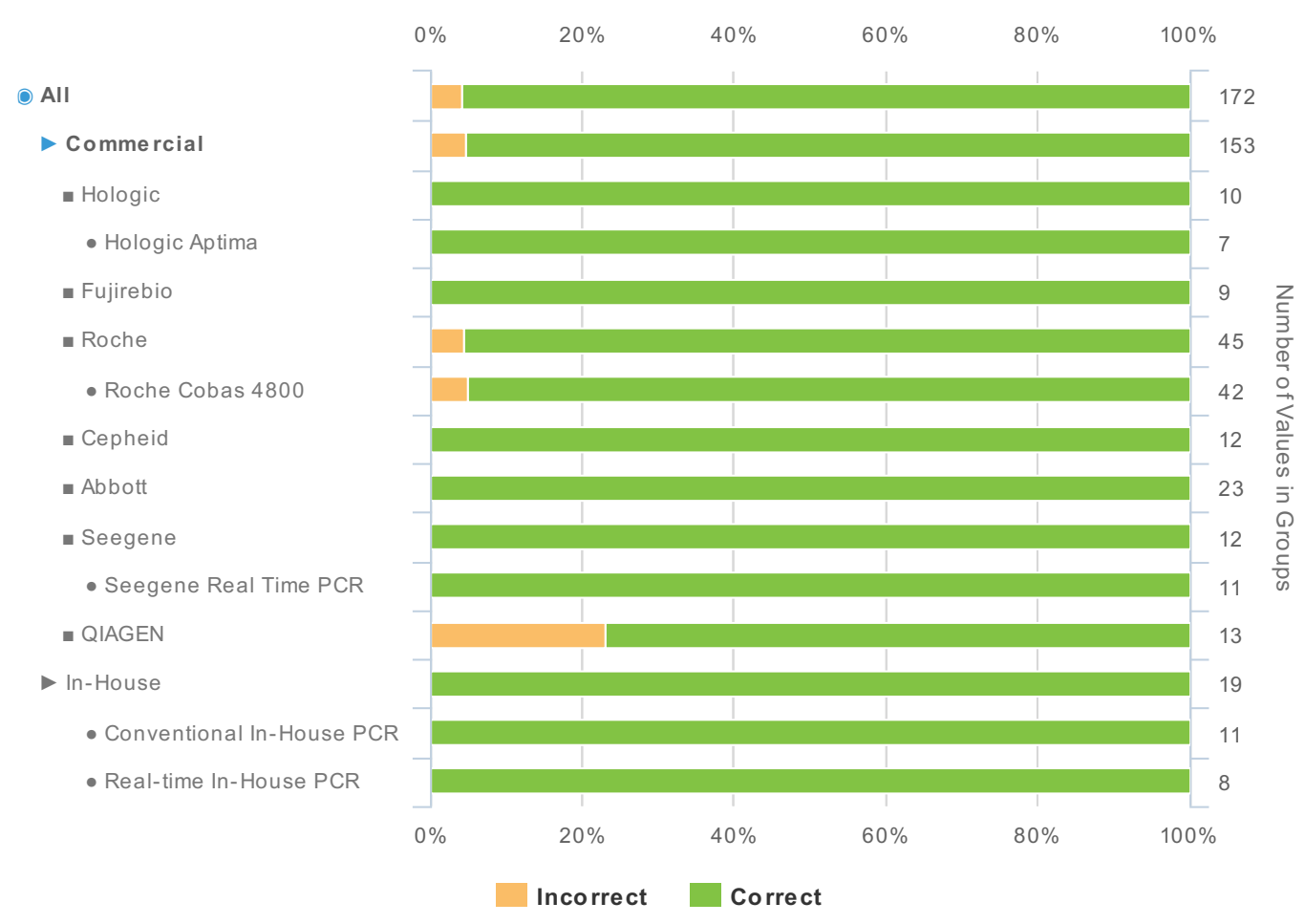
**Groups below n=5:** Hologic - Hologic Cervista (n=3), Roche - Roche Amplicor (n=1), Roche - Roche Linear Assay (n=2), Seegene - Seegene Seeplex (n=1), BIORON (n=1), BIORON - BIORON RealLine (n=1), DNA Laboratories (n=1), DNA Laboratories - DNA Laboratories Xpress Kit (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), InterLabService (n=2), InterLabService - InterLabService AmpliSens (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesig (n=1), Genetel Pharmaceuticals (n=1), Genetel Pharmaceuticals - Genetel Genotype Kit (n=1), Master Diagnostica (n=1), Master Diagnostica - Master Diagnostica Flow Chip (n=1), LBP (n=1), LBP - LBP PCR Kit (n=1), AB Analitica (n=2), AB Analitica - AB Analitica AMPLIQUALITY (n=2), DDL Diagnostic Laboratory (n=1), DDL Diagnostic Laboratory - DDL PCR Reagents (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Real Time PCR (n=1), BD Molecular Diagnostics - BD Onclarity (n=1), PreTect (n=2), PreTect - PreTest Real Time NAAT (n=2), Genomica (n=4), Genomica - Genomica CLART (n=4), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), Self-Screen (n=1), Self-Screen - Self-Screen Real Time PCR (n=1), diatech (n=1), diatech - diatech Real Time PCR (n=1), Greiner bio one (n=2), Greiner bio one - Greiner bio-one (n=2)

**Groups Rolled Up:** Fujirebio - Fujirebio INNO-LIPA (n=9), Cepheid - Cepheid Xpert kit (n=12), Abbott - Abbott Realtime (n=23), QIAGEN - Qiagen Digene HC (n=13)

<b>Individual Report</b>		<b>QCMD 2017 Human Papillomavirus DNA EQA Programme</b>				 <small>Quality Control for Molecular Diagnostics</small>	
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**HPVDNA17S-02 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct All	
						(%)	(n)
HPVDNA17S-02	HPV18 (Hela)	PreservCyt +BSM cells	D2, DS2_2	Frequently Detected	CORE	95.9	172






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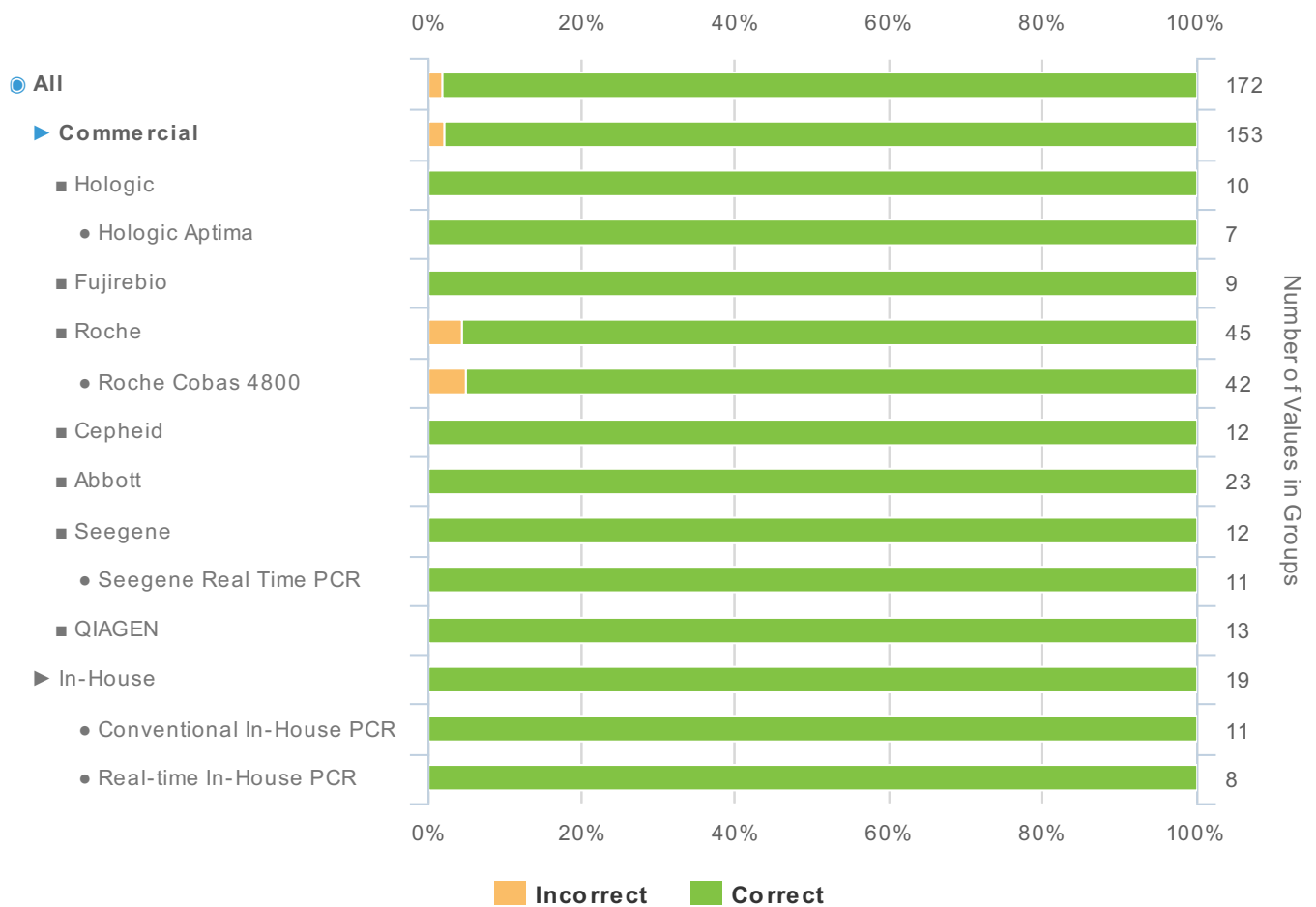
**Groups below n=5:** Hologic - Hologic Cervista (n=3), Roche - Roche Amplicor (n=1), Roche - Roche Linear Assay (n=2), Seegene - Seegene Seeplex (n=1), BIORON (n=1), BIORON - BIORON RealLine (n=1), DNA Laboratories (n=1), DNA Laboratories - DNA Laboratories Xpress Kit (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), InterLabService (n=2), InterLabService - InterLabService AmpliSens (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesig (n=1), Genetel Pharmaceuticals (n=1), Genetel Pharmaceuticals - Genetel Genotype Kit (n=1), Master Diagnostica (n=1), Master Diagnostica - Master Diagnostica Flow Chip (n=1), LBP (n=1), LBP - LBP PCR Kit (n=1), AB Analitica (n=2), AB Analitica - AB Analitica AMPLIQUALITY (n=2), DDL Diagnostic Laboratory (n=1), DDL Diagnostic Laboratory - DDL PCR Reagents (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Real Time PCR (n=1), BD Molecular Diagnostics - BD Onclarity (n=1), PreTect (n=2), PreTect - PreTest Real Time NAAT (n=2), Genomica (n=4), Genomica - Genomica CLART (n=4), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), Self-Screen (n=1), Self-Screen - Self-Screen Real Time PCR (n=1), diatech (n=1), diatech - diatech Real Time PCR (n=1), Greiner bio one (n=2), Greiner bio one - Greiner bio-one (n=2)

**Groups Rolled Up:** Fujirebio - Fujirebio INNO-LIPA (n=9), Cepheid - Cepheid Xpert kit (n=12), Abbott - Abbott Realtime (n=23), QIAGEN - Qiagen Digene HC (n=13)

<b>Individual Report</b>		<b>QCMD 2017 Human Papillomavirus DNA EQA Programme</b>				 <small>Quality Control for Molecular Diagnostics</small>	
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**HPVDNA17S-03 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct All	
						(%)	(n)
HPVDNA17S-03	HPV16 (Caski)	PreservCyt +BSM cells	DS1_1	Frequently Detected	CORE	98.3	172




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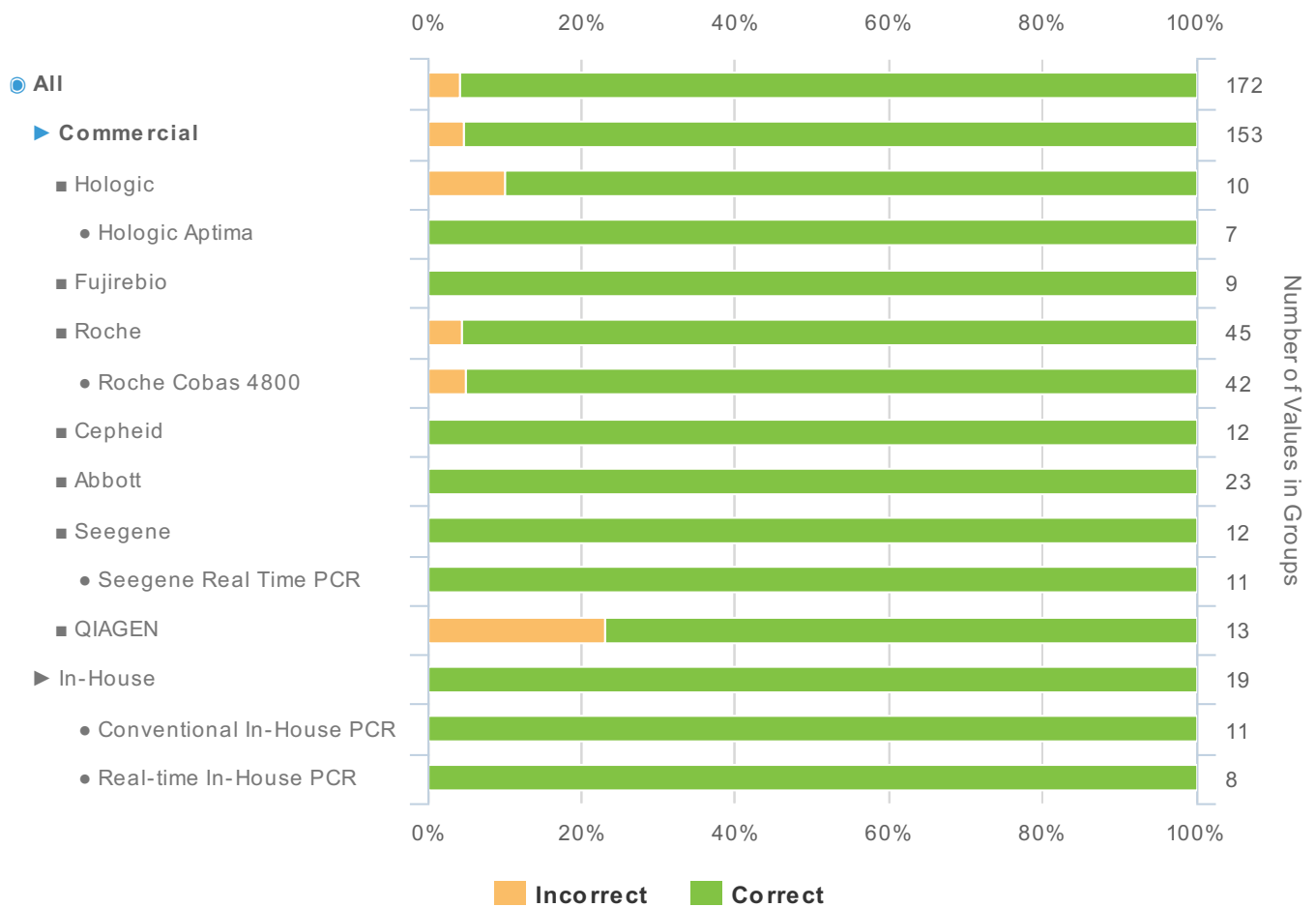
**Groups below n=5:** Hologic - Hologic Cervista (n=3), Roche - Roche Amplicor (n=1), Roche - Roche Linear Assay (n=2), Seegene - Seegene Seeplex (n=1), BIORON (n=1), BIORON - BIORON RealLine (n=1), DNA Laboratories (n=1), DNA Laboratories - DNA Laboratories Xpress Kit (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), InterLabService (n=2), InterLabService - InterLabService AmpliSens (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesis (n=1), Genetel Pharmaceuticals (n=1), Genetel Pharmaceuticals - Genetel Genotype Kit (n=1), Master Diagnostica (n=1), Master Diagnostica - Master Diagnostica Flow Chip (n=1), LBP (n=1), LBP - LBP PCR Kit (n=1), AB Analytica (n=2), AB Analytica - AB Analytica AMPLIQUALITY (n=2), DDL Diagnostic Laboratory (n=1), DDL Diagnostic Laboratory - DDL PCR Reagents (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Real Time PCR (n=1), BD Molecular Diagnostics - BD Onclarity (n=1), PreTect (n=2), PreTect - PreTest Real Time NAAT (n=2), Genomica (n=4), Genomica - Genomica CLART (n=4), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), Self-Screen (n=1), Self-Screen - Self-Screen Real Time PCR (n=1), diatech (n=1), diatech - diatech Real Time PCR (n=1), Greiner bio one (n=2), Greiner bio one - Greiner bio-one (n=2)

**Groups Rolled Up:** Fujirebio - Fujirebio INNO-LIPA (n=9), Cepheid - Cepheid Xpert kit (n=12), Abbott - Abbott Realtime (n=23), QIAGEN - Qiagen Digene HC (n=13)

<b>Individual Report</b>		<b>QCMD 2017 Human Papillomavirus DNA EQA Programme</b>				 <small>Quality Control for Molecular Diagnostics</small>	
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**HPVDNA17S-04 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct All	
						(%)	(n)
HPVDNA17S-04	HPV18 (Hela)	PreservCyt +BSM cells	D2, DS2_2	Frequently Detected	CORE	95.9	172



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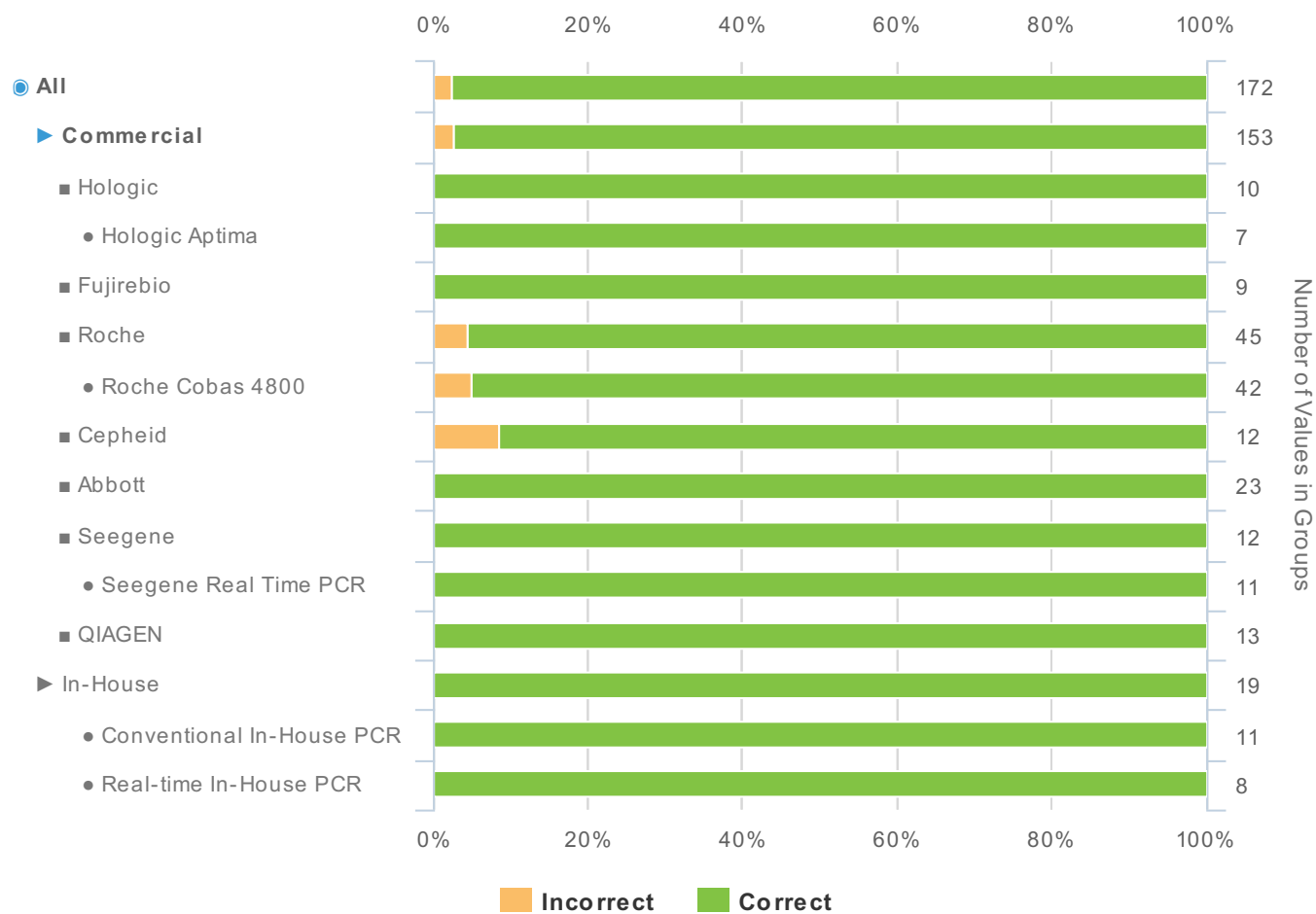
**Groups below n=5:** Hologic - Hologic Cervista (n=3), Roche - Roche Amplicor (n=1), Roche - Roche Linear Assay (n=2), Seegene - Seegene Seeplex (n=1), BIORON (n=1), BIORON - BIORON RealLine (n=1), DNA Laboratories (n=1), DNA Laboratories - DNA Laboratories Xpress Kit (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), InterLabService (n=2), InterLabService - InterLabService AmpliSens (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesis (n=1), Genetel Pharmaceuticals (n=1), Genetel Pharmaceuticals - Genetel Genotype Kit (n=1), Master Diagnostica (n=1), Master Diagnostica - Master Diagnostica Flow Chip (n=1), LBP (n=1), LBP - LBP PCR Kit (n=1), AB Analytica (n=2), AB Analytica - AB Analytica AMPLIQUALITY (n=2), DDL Diagnostic Laboratory (n=1), DDL Diagnostic Laboratory - DDL PCR Reagents (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Real Time PCR (n=1), BD Molecular Diagnostics - BD Onclarity (n=1), PreTect (n=2), PreTect - PreTest Real Time NAAT (n=2), Genomica (n=4), Genomica - Genomica CLART (n=4), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), Self-Screen (n=1), Self-Screen - Self-Screen Real Time PCR (n=1), diatech (n=1), diatech - diatech Real Time PCR (n=1), Greiner bio one (n=2), Greiner bio one - Greiner bio-one (n=2)

**Groups Rolled Up:** Fujirebio - Fujirebio INNO-LIPA (n=9), Cepheid - Cepheid Xpert kit (n=12), Abbott - Abbott Realtime (n=23), QIAGEN - Qiagen Digene HC (n=13)

<b>Individual Report</b>		<b>QCMD 2017 Human Papillomavirus DNA EQA Programme</b>				 <small>Quality Control for Molecular Diagnostics</small>	
<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVDNA17	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> 181243	<b>Report UID:</b> 4254/181243/1198	<b>Laboratory</b> DE182	

**HPVDNA17S-05 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct All	
						(%)	(n)
HPVDNA17S-05	HPV16 (Caski)	PreservCyt +BSM cells	D1, DS1_2	Frequently Detected	CORE	97.7	172




**Individual Report****QCMD 2017 Human Papillomavirus DNA  
EQA Programme**

<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVDNA17	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> 181243	<b>Report UID:</b> 4254/181243/1198	<b>Laboratory:</b> DE182
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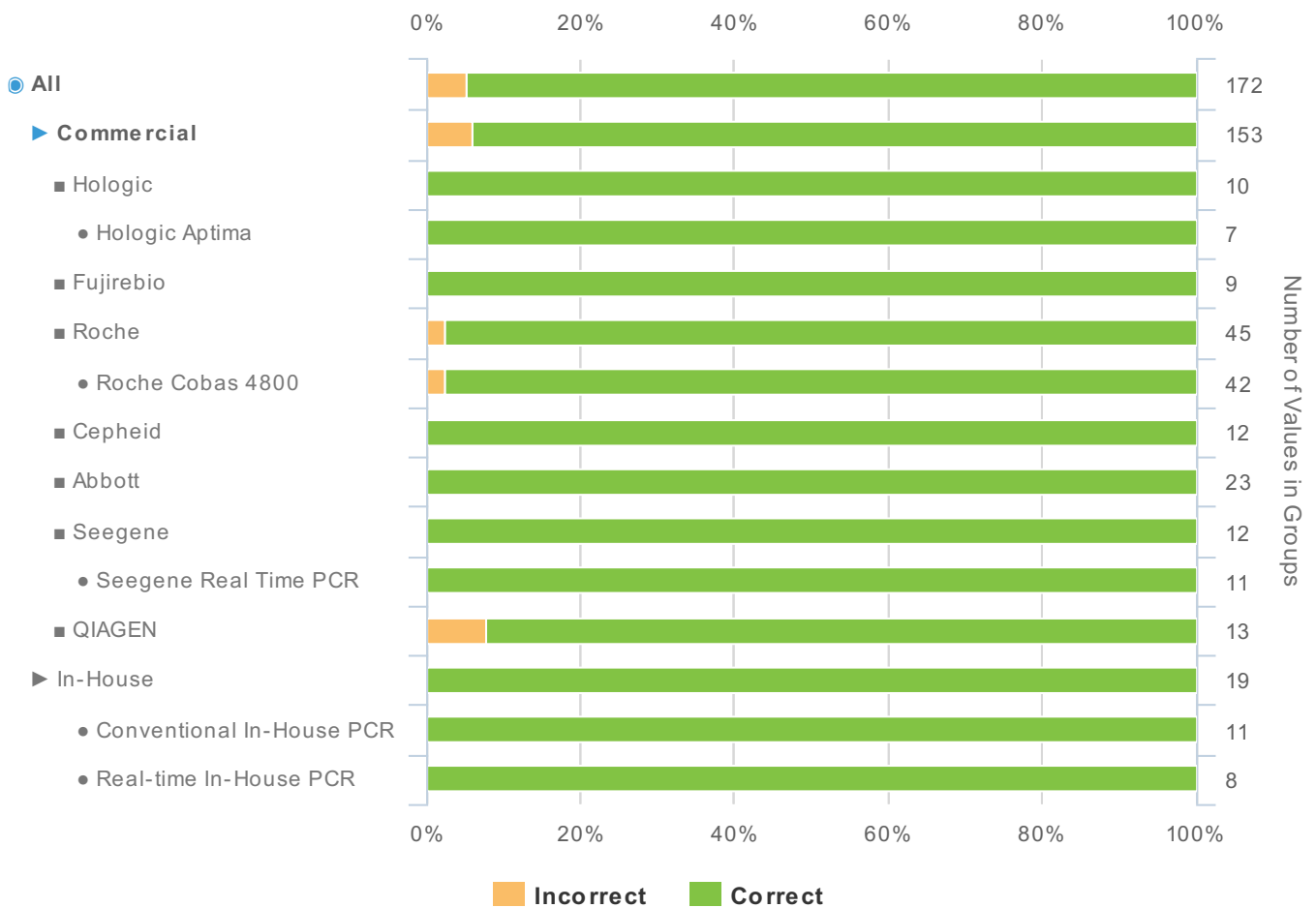
**Groups below n=5:** Hologic - Hologic Cervista (n=3), Roche - Roche Amplicor (n=1), Roche - Roche Linear Assay (n=2), Seegene - Seegene Seeplex (n=1), BIORON (n=1), BIORON - BIORON RealLine (n=1), DNA Laboratories (n=1), DNA Laboratories - DNA Laboratories Xpress Kit (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), InterLabService (n=2), InterLabService - InterLabService AmpliSens (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesis (n=1), Genetel Pharmaceuticals (n=1), Genetel Pharmaceuticals - Genetel Genotype Kit (n=1), Master Diagnostica (n=1), Master Diagnostica - Master Diagnostica Flow Chip (n=1), LBP (n=1), LBP - LBP PCR Kit (n=1), AB Analytica (n=2), AB Analytica - AB Analytica AMPLIQUALITY (n=2), DDL Diagnostic Laboratory (n=1), DDL Diagnostic Laboratory - DDL PCR Reagents (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Real Time PCR (n=1), BD Molecular Diagnostics - BD Onclarity (n=1), PreTect (n=2), PreTect - PreTest Real Time NAAT (n=2), Genomica (n=4), Genomica - Genomica CLART (n=4), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), Self-Screen (n=1), Self-Screen - Self-Screen Real Time PCR (n=1), diatech (n=1), diatech - diatech Real Time PCR (n=1), Greiner bio one (n=2), Greiner bio one - Greiner bio-one (n=2)

**Groups Rolled Up:** Fujirebio - Fujirebio INNO-LIPA (n=9), Cepheid - Cepheid Xpert kit (n=12), Abbott - Abbott Realtime (n=23), QIAGEN - Qiagen Digene HC (n=13)

<b>Individual Report</b>		<b>QCMD 2017 Human Papillomavirus DNA EQA Programme</b>				 <small>Quality Control for Molecular Diagnostics</small>	
<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVDNA17	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> 181243	<b>Report UID:</b> 4254/181243/1198	<b>Laboratory</b> DE182	

**HPVDNA17S-06 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct All	
						(%)	(n)
HPVDNA17S-06	HPV45 (CC10b)	PreservCyt +BSM cells	D3	Detected	CORE	94.8	172





**Individual Report****QCMD 2017 Human Papillomavirus DNA  
EQA Programme**

<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVDNA17	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> 181243	<b>Report UID:</b> 4254/181243/1198	<b>Laboratory:</b> DE182
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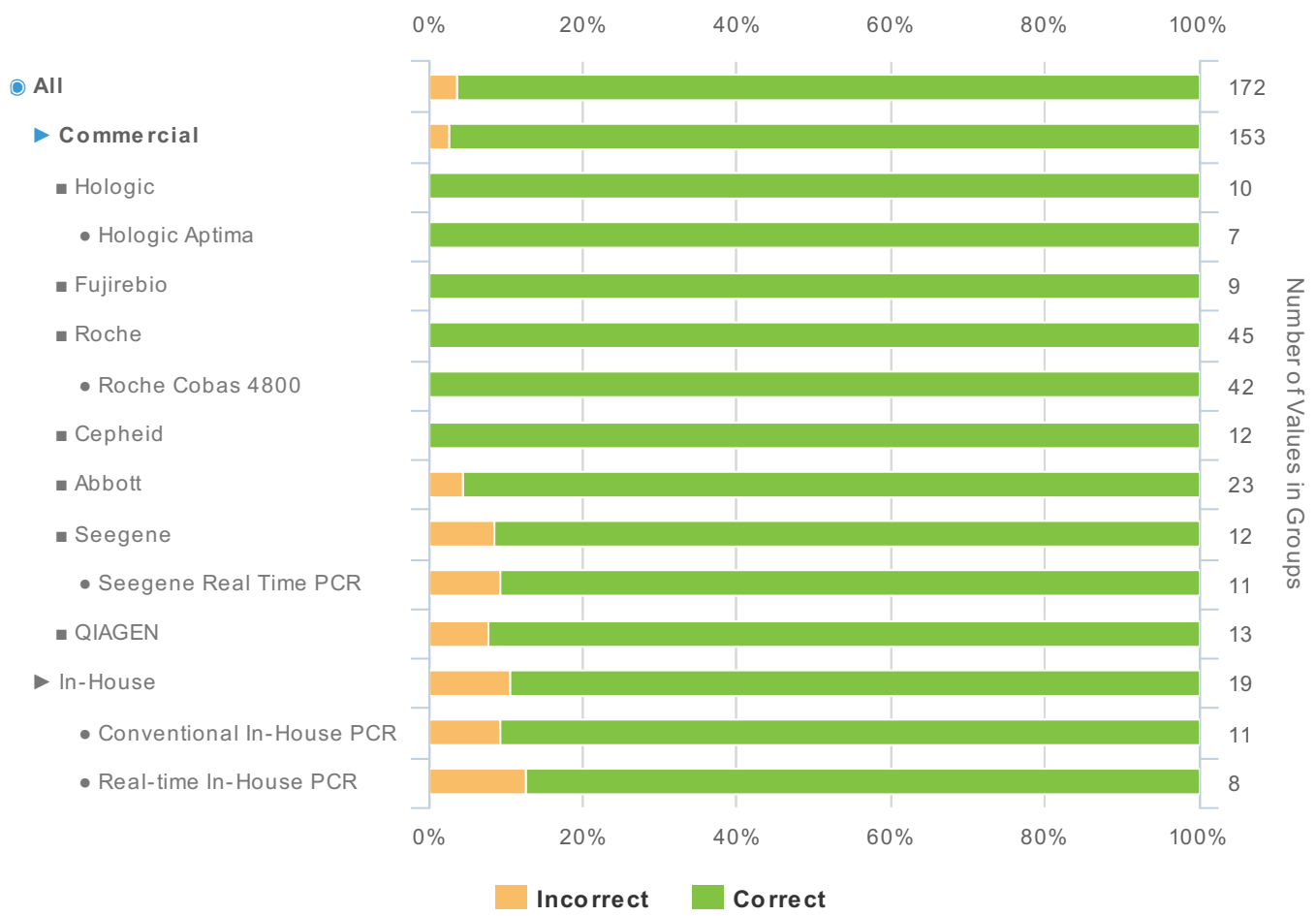
**Groups below n=5:** Hologic - Hologic Cervista (n=3), Roche - Roche Amplicor (n=1), Roche - Roche Linear Assay (n=2), Seegene - Seegene Seeplex (n=1), BIORON (n=1), BIORON - BIORON RealLine (n=1), DNA Laboratories (n=1), DNA Laboratories - DNA Laboratories Xpress Kit (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), InterLabService (n=2), InterLabService - InterLabService AmpliSens (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesig (n=1), Genetel Pharmaceuticals (n=1), Genetel Pharmaceuticals - Genetel Genotype Kit (n=1), Master Diagnostica (n=1), Master Diagnostica - Master Diagnostica Flow Chip (n=1), LBP (n=1), LBP - LBP PCR Kit (n=1), AB Analitica (n=2), AB Analitica - AB Analitica AMPLIQUALITY (n=2), DDL Diagnostic Laboratory (n=1), DDL Diagnostic Laboratory - DDL PCR Reagents (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Real Time PCR (n=1), BD Molecular Diagnostics - BD Onclarity (n=1), PreTect (n=2), PreTect - PreTest Real Time NAAT (n=2), Genomica (n=4), Genomica - Genomica CLART (n=4), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), Self-Screen (n=1), Self-Screen - Self-Screen Real Time PCR (n=1), diatech (n=1), diatech - diatech Real Time PCR (n=1), Greiner bio one (n=2), Greiner bio one - Greiner bio-one (n=2)

**Groups Rolled Up:** Fujirebio - Fujirebio INNO-LIPA (n=9), Cepheid - Cepheid Xpert kit (n=12), Abbott - Abbott Realtime (n=23), QIAGEN - Qiagen Digene HC (n=13)

<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVDNA17	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> 181243	<b>Report UID:</b> 4254/181243/1198	<b>Laboratory:</b> DE182
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**HPVDNA17S-07 - Qualitative Results Breakdown**


Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct All	
						(%)	(n)
HPVDNA17S-07	Negative	PreservCyt +BSM cells		Negative	CORE	96.5	172



<b>Individual Report</b>	<b>QCMD 2017 Human Papillomavirus DNA EQA Programme</b>				 <small>Quality Control for Molecular Diagnostics</small>	
	<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVDNA17	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> 181243	<b>Report UID:</b> 4254/181243/1198

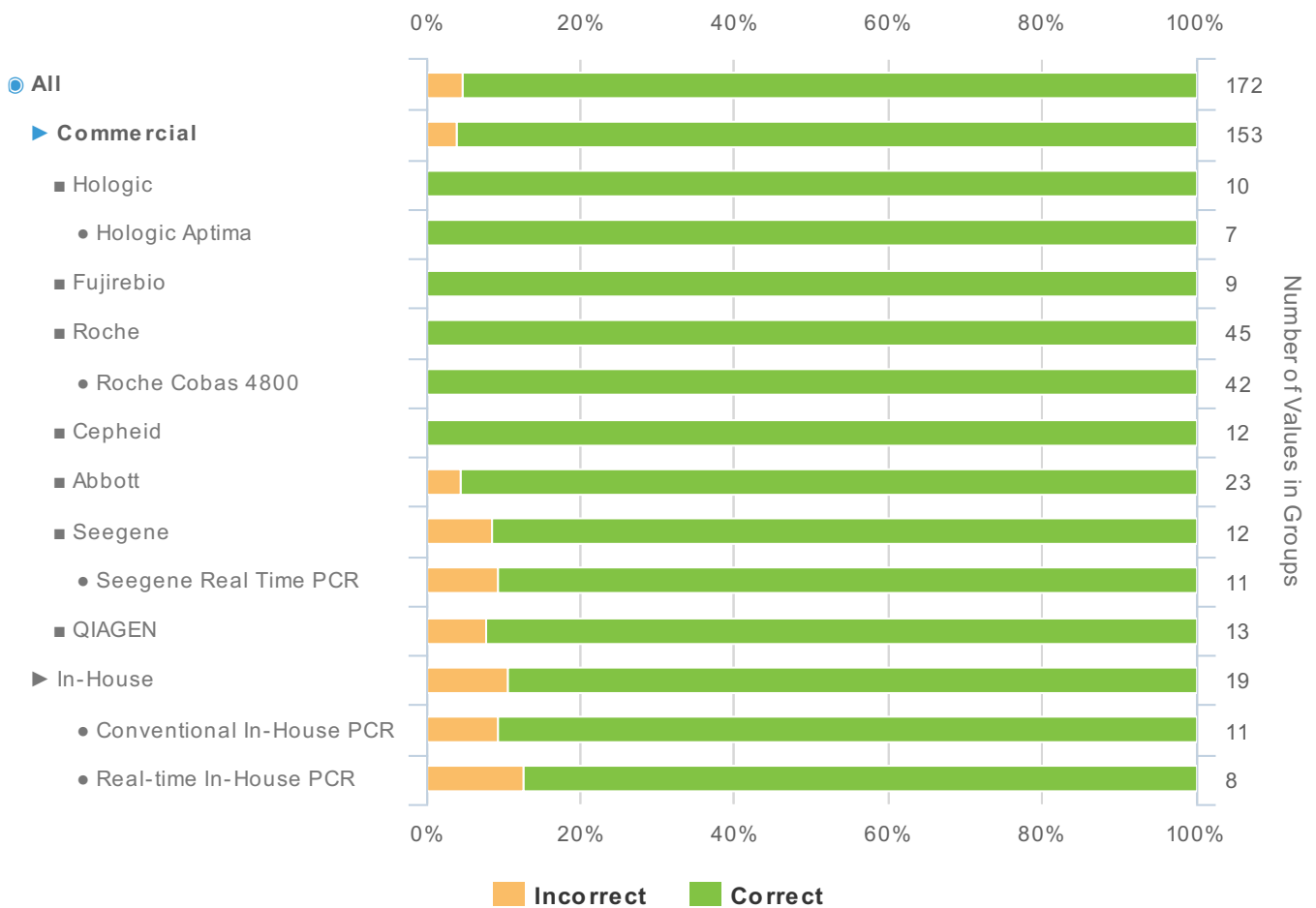
**Groups below n=5:** Hologic - Hologic Cervista (n=3), Roche - Roche Amplicor (n=1), Roche - Roche Linear Assay (n=2), Seegene - Seegene Seeplex (n=1), BIORON (n=1), BIORON - BIORON RealLine (n=1), DNA Laboratories (n=1), DNA Laboratories - DNA Laboratories Xpress Kit (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), InterLabService (n=2), InterLabService - InterLabService AmpliSens (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesis (n=1), Genetel Pharmaceuticals (n=1), Genetel Pharmaceuticals - Genetel Genotype Kit (n=1), Master Diagnostica (n=1), Master Diagnostica - Master Diagnostica Flow Chip (n=1), LBP (n=1), LBP - LBP PCR Kit (n=1), AB Analytica (n=2), AB Analytica - AB Analytica AMPLIQUALITY (n=2), DDL Diagnostic Laboratory (n=1), DDL Diagnostic Laboratory - DDL PCR Reagents (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Real Time PCR (n=1), BD Molecular Diagnostics - BD Onclarity (n=1), PreTect (n=2), PreTect - PreTest Real Time NAAT (n=2), Genomica (n=4), Genomica - Genomica CLART (n=4), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), Self-Screen (n=1), Self-Screen - Self-Screen Real Time PCR (n=1), diatech (n=1), diatech - diatech Real Time PCR (n=1), Greiner bio one (n=2), Greiner bio one - Greiner bio-one (n=2)


**Groups Rolled Up:** Fujirebio - Fujirebio INNO-LIPA (n=9), Cepheid - Cepheid Xpert kit (n=12), Abbott - Abbott Realtime (n=23), QIAGEN - Qiagen Digene HC (n=13)

<b>Individual Report</b>		<b>QCMD 2017 Human Papillomavirus DNA EQA Programme</b>				 <small>Quality Control for Molecular Diagnostics</small>	
<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVDNA17	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> 181243	<b>Report UID:</b> 4254/181243/1198	<b>Laboratory</b> DE182	

**HPVDNA17S-08 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct All	
						(%)	(n)
HPVDNA17S-08	Negative	PreservCyt +BSM cells		Negative	CORE	95.3	172



<b>Individual Report</b>	<b>QCMD 2017 Human Papillomavirus DNA EQA Programme</b>				 <small>Quality Control for Molecular Diagnostics</small>	
	<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVDNA17	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> 181243	<b>Report UID:</b> 4254/181243/1198

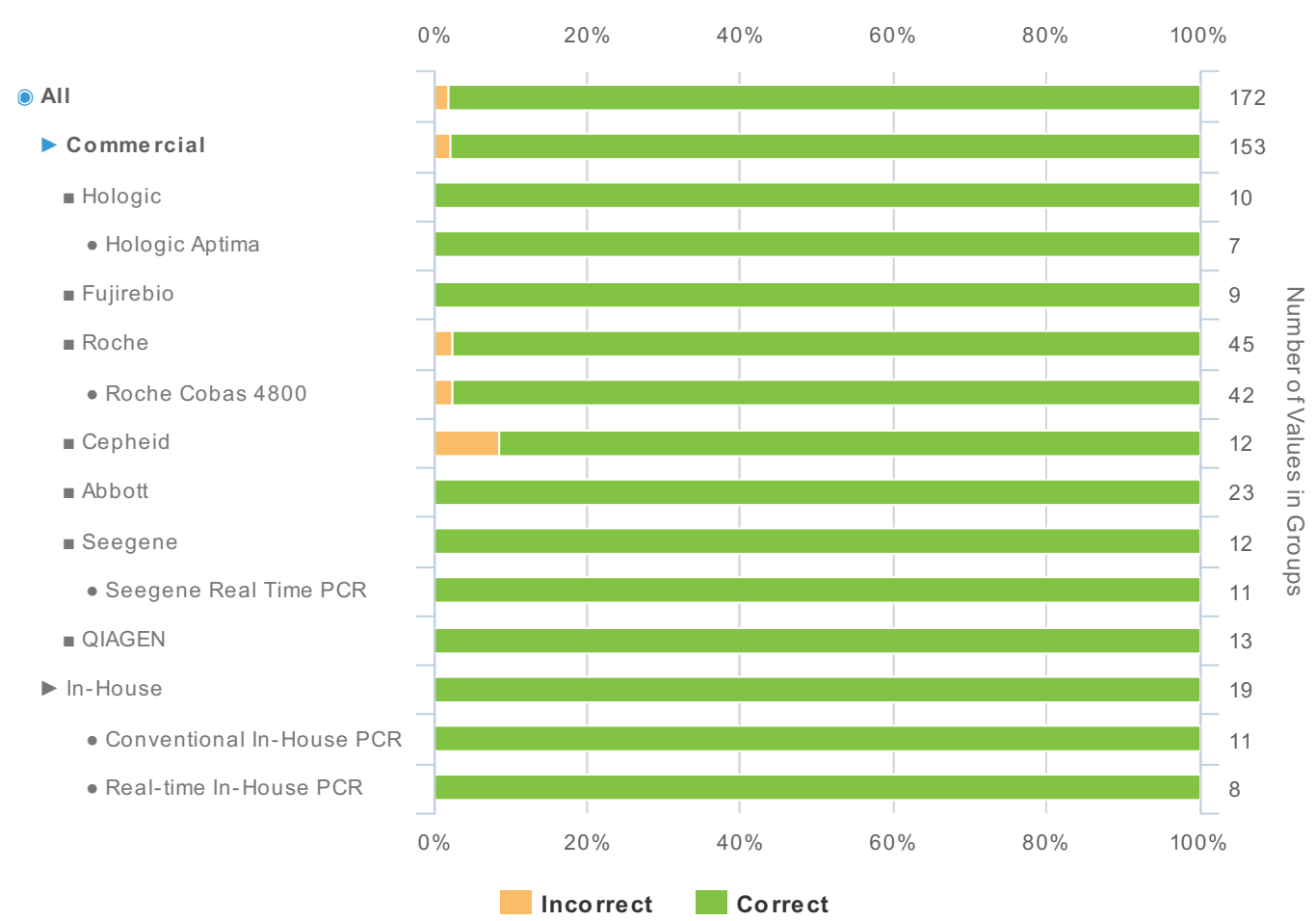
**Groups below n=5:** Hologic - Hologic Cervista (n=3), Roche - Roche Amplicor (n=1), Roche - Roche Linear Assay (n=2), Seegene - Seegene Seeplex (n=1), BIORON (n=1), BIORON - BIORON RealLine (n=1), DNA Laboratories (n=1), DNA Laboratories - DNA Laboratories Xpress Kit (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), InterLabService (n=2), InterLabService - InterLabService AmpliSens (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesig (n=1), Genetel Pharmaceuticals (n=1), Genetel Pharmaceuticals - Genetel Genotype Kit (n=1), Master Diagnostica (n=1), Master Diagnostica - Master Diagnostica Flow Chip (n=1), LBP (n=1), LBP - LBP PCR Kit (n=1), AB Analitica (n=2), AB Analitica - AB Analitica AMPLIQUALITY (n=2), DDL Diagnostic Laboratory (n=1), DDL Diagnostic Laboratory - DDL PCR Reagents (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Real Time PCR (n=1), BD Molecular Diagnostics - BD Onclarity (n=1), PreTect (n=2), PreTect - PreTest Real Time NAAT (n=2), Genomica (n=4), Genomica - Genomica CLART (n=4), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), Self-Screen (n=1), Self-Screen - Self-Screen Real Time PCR (n=1), diatech (n=1), diatech - diatech Real Time PCR (n=1), Greiner bio one (n=2), Greiner bio one - Greiner bio-one (n=2)

**Groups Rolled Up:** Fujirebio - Fujirebio INNO-LIPA (n=9), Cepheid - Cepheid Xpert kit (n=12), Abbott - Abbott Realtime (n=23), QIAGEN - Qiagen Digene HC (n=13)

<b>Individual Report</b>		<b>QCMD 2017 Human Papillomavirus DNA EQA Programme</b>				 <small>Quality Control for Molecular Diagnostics</small>	
<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVDNA17	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> 181243	<b>Report UID:</b> 4254/181243/1198	<b>Laboratory</b> DE182	

**HPVDNA17S-09 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct All	
						(%)	(n)
HPVDNA17S-09	HPV16 (Caski)	PreservCyt +BSM cells	D1, DS1_2	Frequently Detected	CORE	98.3	172



**Individual Report****QCMD 2017 Human Papillomavirus DNA  
EQA Programme**

<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVDNA17	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> 181243	<b>Report UID:</b> 4254/181243/1198	<b>Laboratory:</b> DE182
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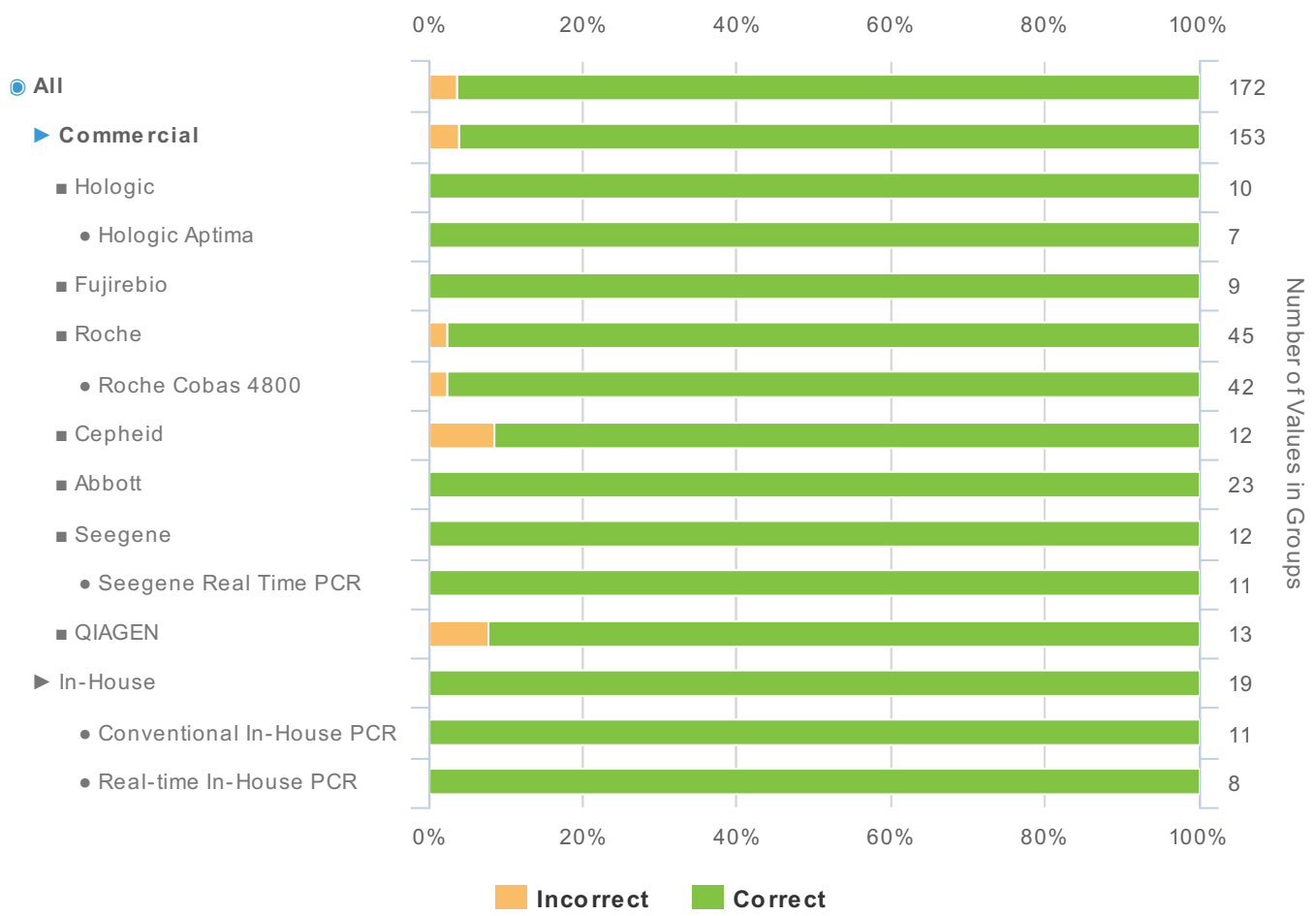
**Groups below n=5:** Hologic - Hologic Cervista (n=3), Roche - Roche Amplicor (n=1), Roche - Roche Linear Assay (n=2), Seegene - Seegene Seeplex (n=1), BIORON (n=1), BIORON - BIORON RealLine (n=1), DNA Laboratories (n=1), DNA Laboratories - DNA Laboratories Xpress Kit (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), InterLabService (n=2), InterLabService - InterLabService AmpliSens (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesig (n=1), Genetel Pharmaceuticals (n=1), Genetel Pharmaceuticals - Genetel Genotype Kit (n=1), Master Diagnostica (n=1), Master Diagnostica - Master Diagnostica Flow Chip (n=1), LBP (n=1), LBP - LBP PCR Kit (n=1), AB Analitica (n=2), AB Analitica - AB Analitica AMPLIQUALITY (n=2), DDL Diagnostic Laboratory (n=1), DDL Diagnostic Laboratory - DDL PCR Reagents (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Real Time PCR (n=1), BD Molecular Diagnostics - BD Onclarity (n=1), PreTect (n=2), PreTect - PreTest Real Time NAAT (n=2), Genomica (n=4), Genomica - Genomica CLART (n=4), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), Self-Screen (n=1), Self-Screen - Self-Screen Real Time PCR (n=1), diatech (n=1), diatech - diatech Real Time PCR (n=1), Greiner bio one (n=2), Greiner bio one - Greiner bio-one (n=2)

**Groups Rolled Up:** Fujirebio - Fujirebio INNO-LIPA (n=9), Cepheid - Cepheid Xpert kit (n=12), Abbott - Abbott Realtime (n=23), QIAGEN - Qiagen Digene HC (n=13)

<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVDNA17	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> 181243	<b>Report UID:</b> 4254/181243/1198	<b>Laboratory:</b> DE182
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**HPVDNA17S-10 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct All	
						(%)	(n)
HPVDNA17S-10	HPV16 (Caski)	PreservCyt +BSM cells	DS1_3	Frequently Detected	CORE	96.5	172





**Individual Report****QCMD 2017 Human Papillomavirus DNA  
EQA Programme**

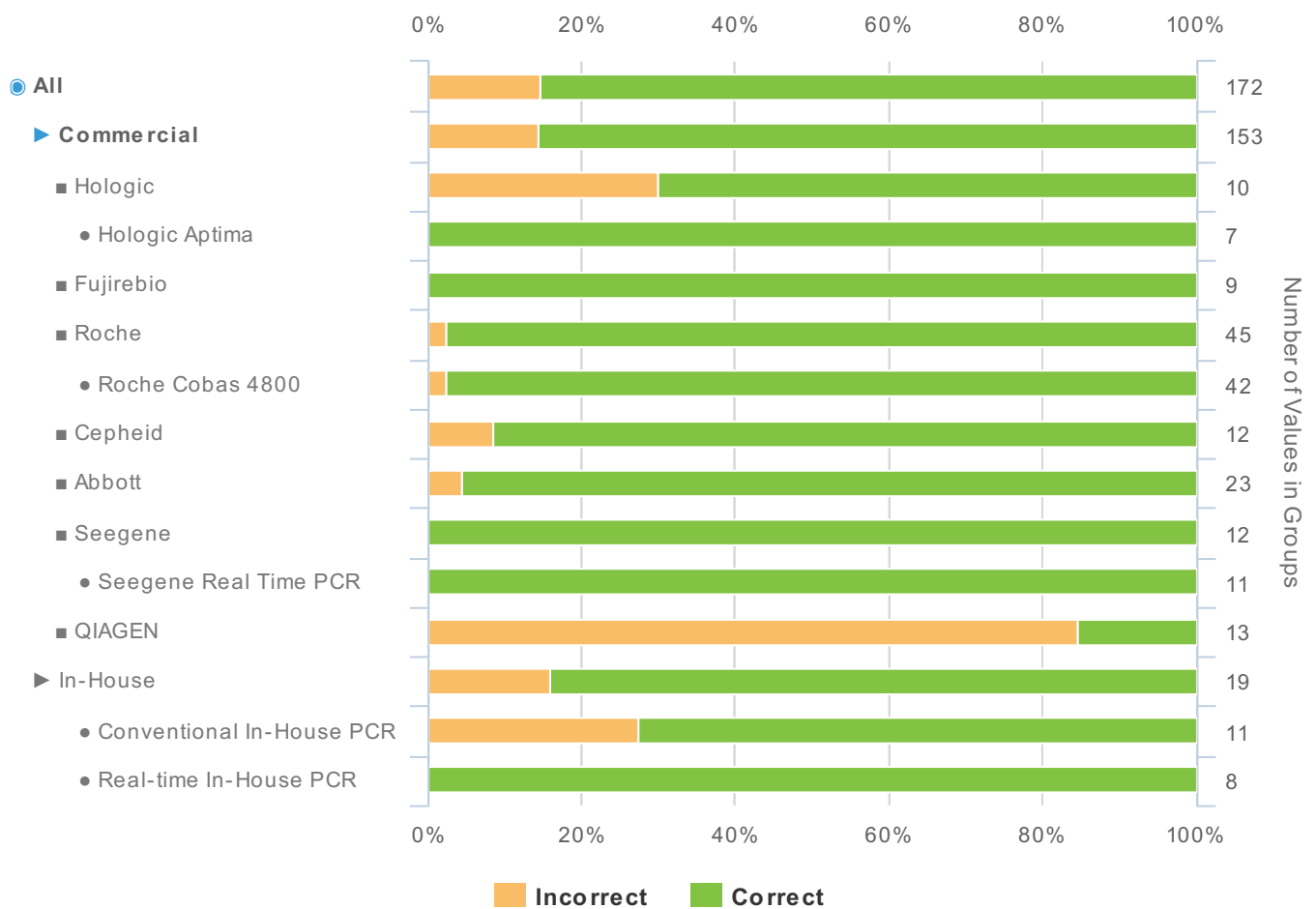
<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVDNA17	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> 181243	<b>Report UID:</b> 4254/181243/1198	<b>Laboratory:</b> DE182
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**Groups below n=5:** Hologic - Hologic Cervista (n=3), Roche - Roche Amplicor (n=1), Roche - Roche Linear Assay (n=2), Seegene - Seegene Seeplex (n=1), BIORON (n=1), BIORON - BIORON RealLine (n=1), DNA Laboratories (n=1), DNA Laboratories - DNA Laboratories Xpress Kit (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), InterLabService (n=2), InterLabService - InterLabService AmpliSens (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesis (n=1), Genetel Pharmaceuticals (n=1), Genetel Pharmaceuticals - Genetel Genotype Kit (n=1), Master Diagnostica (n=1), Master Diagnostica - Master Diagnostica Flow Chip (n=1), LBP (n=1), LBP - LBP PCR Kit (n=1), AB Analytica (n=2), AB Analytica - AB Analytica AMPLIQUALITY (n=2), DDL Diagnostic Laboratory (n=1), DDL Diagnostic Laboratory - DDL PCR Reagents (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Real Time PCR (n=1), BD Molecular Diagnostics - BD Onclarity (n=1), PreTect (n=2), PreTect - PreTest Real Time NAAT (n=2), Genomica (n=4), Genomica - Genomica CLART (n=4), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), Self-Screen (n=1), Self-Screen - Self-Screen Real Time PCR (n=1), diatech (n=1), diatech - diatech Real Time PCR (n=1), Greiner bio one (n=2), Greiner bio one - Greiner bio-one (n=2)

**Groups Rolled Up:** Fujirebio - Fujirebio INNO-LIPA (n=9), Cepheid - Cepheid Xpert kit (n=12), Abbott - Abbott Realtime (n=23), QIAGEN - Qiagen Digene HC (n=13)

**HPVDNA17S-11 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct All	
						(%)	(n)
HPVDNA17S-11	HPV18 (Hela)	PreservCyt +BSM cells	DS2_3	Detected	EDUCATIONAL	85.5	172



**Individual Report****QCMD 2017 Human Papillomavirus DNA  
EQA Programme**

<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVDNA17	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> 181243	<b>Report UID:</b> 4254/181243/1198	<b>Laboratory:</b> DE182
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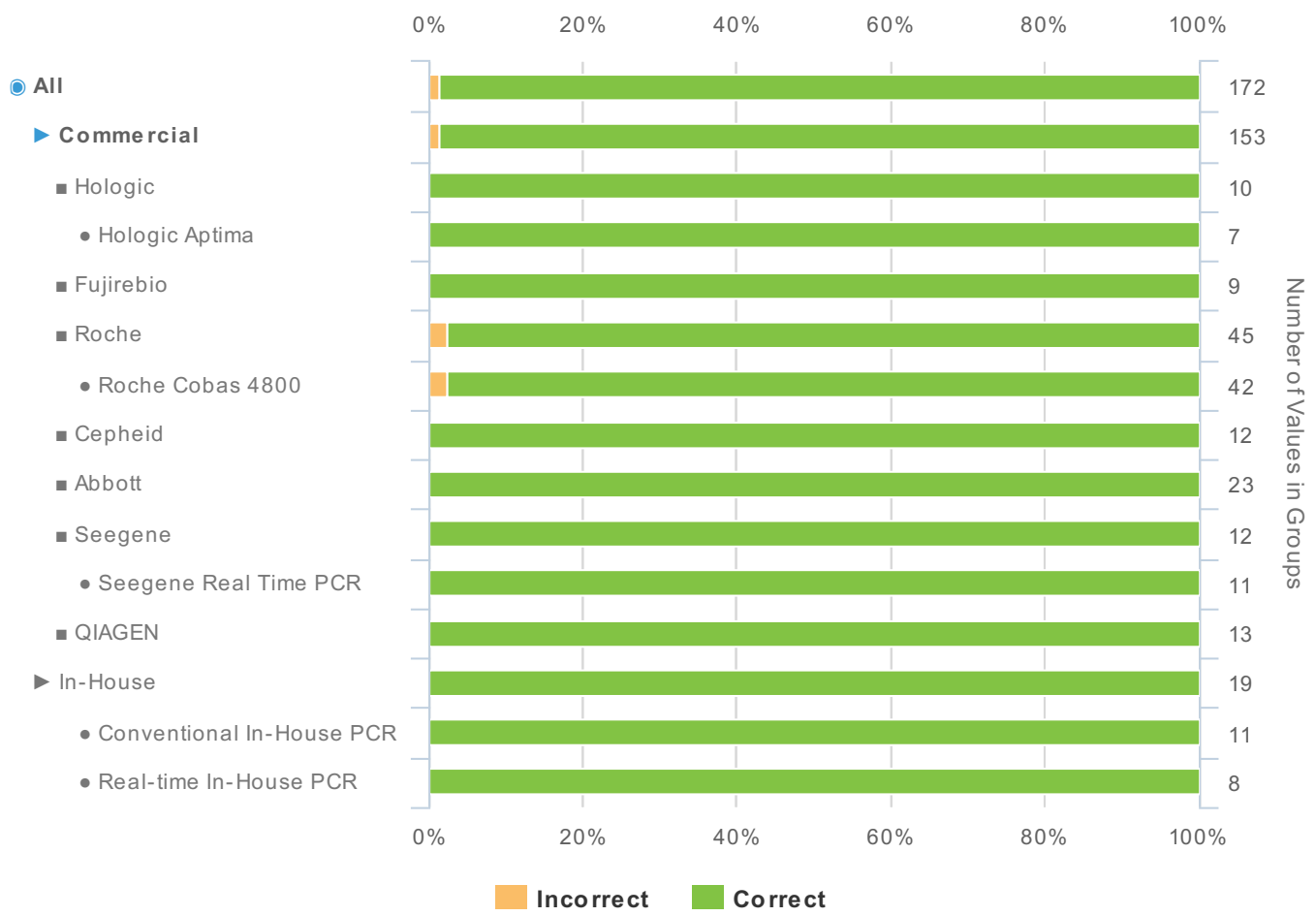
**Groups below n=5:** Hologic - Hologic Cervista (n=3), Roche - Roche Amplicor (n=1), Roche - Roche Linear Assay (n=2), Seegene - Seegene Seeplex (n=1), BIORON (n=1), BIORON - BIORON RealLine (n=1), DNA Laboratories (n=1), DNA Laboratories - DNA Laboratories Xpress Kit (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), InterLabService (n=2), InterLabService - InterLabService AmpliSens (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesis (n=1), Genetel Pharmaceuticals (n=1), Genetel Pharmaceuticals - Genetel Genotype Kit (n=1), Master Diagnostica (n=1), Master Diagnostica - Master Diagnostica Flow Chip (n=1), LBP (n=1), LBP - LBP PCR Kit (n=1), AB Analytica (n=2), AB Analytica - AB Analytica AMPLIQUALITY (n=2), DDL Diagnostic Laboratory (n=1), DDL Diagnostic Laboratory - DDL PCR Reagents (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Real Time PCR (n=1), BD Molecular Diagnostics - BD Onclarity (n=1), PreTect (n=2), PreTect - PreTest Real Time NAAT (n=2), Genomica (n=4), Genomica - Genomica CLART (n=4), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), Self-Screen (n=1), Self-Screen - Self-Screen Real Time PCR (n=1), diatech (n=1), diatech - diatech Real Time PCR (n=1), Greiner bio one (n=2), Greiner bio one - Greiner bio-one (n=2)

**Groups Rolled Up:** Fujirebio - Fujirebio INNO-LIPA (n=9), Cepheid - Cepheid Xpert kit (n=12), Abbott - Abbott Realtime (n=23), QIAGEN - Qiagen Digene HC (n=13)

Catalogue Code: QAV094130	Ref Code: HPVDNA17	Challenge: S	Analysis Type: Custom	Dataset: 181243	Report UID: 4254/181243/1198	Laboratory DE182
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**HPVDNA17S-12 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct All	
						(%)	(n)
HPVDNA17S-12	HPV18 (Hela)	PreservCyt +BSM cells	DS2_1	Frequently Detected	CORE	98.8	172



**Individual Report****QCMD 2017 Human Papillomavirus DNA  
EQA Programme**

<b>Catalogue Code:</b> QAV094130	<b>Ref Code:</b> HPVDNA17	<b>Challenge:</b> S	<b>Analysis Type:</b> Custom	<b>Dataset:</b> 181243	<b>Report UID:</b> 4254/181243/1198	<b>Laboratory:</b> DE182
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**Groups below n=5:** Hologic - Hologic Cervista (n=3), Roche - Roche Amplicor (n=1), Roche - Roche Linear Assay (n=2), Seegene - Seegene Seeplex (n=1), BIORON (n=1), BIORON - BIORON RealLine (n=1), DNA Laboratories (n=1), DNA Laboratories - DNA Laboratories Xpress Kit (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), InterLabService (n=2), InterLabService - InterLabService AmpliSens (n=2), Certest (n=1), Certest - Certest Real Time PCR (n=1), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesig (n=1), Genetel Pharmaceuticals (n=1), Genetel Pharmaceuticals - Genetel Genotype Kit (n=1), Master Diagnostica (n=1), Master Diagnostica - Master Diagnostica Flow Chip (n=1), LBP (n=1), LBP - LBP PCR Kit (n=1), AB Analytica (n=2), AB Analytica - AB Analytica AMPLIQUALITY (n=2), DDL Diagnostic Laboratory (n=1), DDL Diagnostic Laboratory - DDL PCR Reagents (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD Real Time PCR (n=1), BD Molecular Diagnostics - BD Onclarity (n=1), PreTect (n=2), PreTect - PreTest Real Time NAAT (n=2), Genomica (n=4), Genomica - Genomica CLART (n=4), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), Self-Screen (n=1), Self-Screen - Self-Screen Real Time PCR (n=1), diatech (n=1), diatech - diatech Real Time PCR (n=1), Greiner bio one (n=2), Greiner bio one - Greiner bio-one (n=2)

**Groups Rolled Up:** Fujirebio - Fujirebio INNO-LIPA (n=9), Cepheid - Cepheid Xpert kit (n=12), Abbott - Abbott Realtime (n=23), QIAGEN - Qiagen Digene HC (n=13)

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