



This is to certify that

Genologica Médica S.L.

Malaga  
Spain

has participated in the

QCMD 2020 SARS-CoV-2 EQA Programme



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QCMD Executive Coordinator

A UKAS accredited proficiency testing provider No. 4385

# Individual Report


# QCMD 2020 SARS-CoV-2 EQA Programme



<b>Catalogue Code:</b> QAV204215	<b>Ref Code:</b> SCV2_20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative	<b>Dataset:</b> 399041	<b>Report UID:</b> 11738/399041/3134	<b>Laboratory:</b> ES136
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## 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)
SCV2_101S-01	SARS-CoV-2	Transport Medium	3.16 dPCR Log10 Copies/ml (D2, DS1_3)	Frequently Detected	CORE	96.0	497
SCV2_101S-02	Coronavirus 229E	Transport Medium	3.93 dPCR Log10 Copies/ml	Negative	CORE	97.0	497
SCV2_101S-03	SARS-CoV-2	Transport Medium	2.48 dPCR Log10 Copies/ml (D3, DS1_4)	Detected	CORE	90.3	497
SCV2_101S-04	SARS-CoV-2	Transport Medium	4.29 dPCR Log10 Copies/ml (DS1_1)	Frequently Detected	CORE	98.8	497
SCV2_101S-05	SARS-CoV-2	Transport Medium	3.27 dPCR Log10 Copies/ml (D1, DS1_2)	Frequently Detected	CORE	97.4	497
SCV2_101S-06	SARS-CoV-2	Transport Medium	2.48 dPCR Log10 Copies/ml (D3, DS1_4)	Detected	CORE	89.3	497
SCV2_101S-07	SARS-CoV-2	Transport Medium	3.27 dPCR Log10 Copies/ml (D1, DS1_2)	Frequently Detected	CORE	96.6	497
SCV2_101S-08	SARS-CoV-2	Transport Medium	3.16 dPCR Log10 Copies/ml (D2, DS1_3)	Frequently Detected	CORE	96.2	497
SCV2_101S-09	Coronavirus Negative	Transport Medium		Negative	CORE	96.8	497
SCV2_101S-10	Coronavirus OC43	Transport Medium	4.0 dPCR Log10 Copies/ml	Negative	CORE	96.2	497

<b>Individual Report</b>		<b>QCMD 2020 SARS-CoV-2 EQA Programme</b>			 <small>Quality Control for Molecular Diagnostics</small>	
<b>Catalogue Code:</b> QAV204215	<b>Ref Code:</b> SCV2_20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative	<b>Dataset:</b> 399041	<b>Report UID:</b> 11738/399041/3134	<b>Laboratory</b> ES136

[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.*

[1] **Sample Relationships:** Includes dPCR Log10 Copies/ml, the value obtained using a digital droplet PCR assay (modified from Eurosurveillance Jan 2020 Corman et al).

**Please note:** The values provided are for reference only. The values obtained by individual participating laboratories will vary from the dPCR values provided. This is because quantitation is dependent on the molecular workflow each laboratory uses (i.e. nucleic acid extraction and molecular platform / assay) as well as the standards or reference material used to calibrate the molecular workflow. In the absence of an International Standard or Certified Reference Material (CRM), QCMD uses Internal Reference Materials (IRMs) with values established using a dPCR reference assay in order to support the consistency and traceability of the EQA materials. This also helps aid the comparison of results across laboratories.

## Your Summary Results

<b>EQA Assessment Group</b> <sup>[1]</sup>	BGI Real Time PCR
<b>Core Panel Detection (Qualitative) Score</b> <sup>[2]</sup>	0

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**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
SCV2_101S-01	96.0	Positive	0		N/A	34.0
SCV2_101S-02	97.0	Negative	0		N/A	-
SCV2_101S-03	90.3	Positive	0		N/A	36.0
SCV2_101S-04	98.8	Positive	0		N/A	29.0
SCV2_101S-05	97.4	Positive	0		N/A	33.0
SCV2_101S-06	89.3	Positive	0		N/A	36.0
SCV2_101S-07	96.6	Positive	0		N/A	32.0
SCV2_101S-08	96.2	Positive	0		N/A	33.0
SCV2_101S-09	96.8	Negative	0		N/A	-
SCV2_101S-10	96.2	Negative	0		N/A	-

[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.

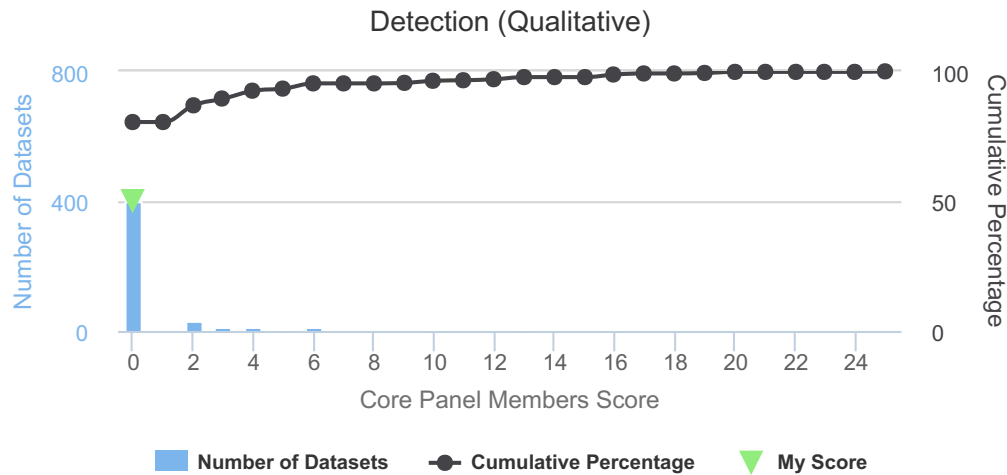
[5] **Your Result:** The qualitative result you reported for each sample within this EQA challenge / distribution.

[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 2020 SARS-CoV-2 EQA Programme</b>			 <small>Quality Control for Molecular Diagnostics</small>	
<b>Catalogue Code:</b> QAV204215	<b>Ref Code:</b> SCV2_20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative	<b>Dataset:</b> 399041	<b>Report UID:</b> 11738/399041/3134	<b>Laboratory:</b> ES136

### 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(s) used to submit your results for this challenge.

<b>Name</b>	COVID-19 Detection (v3)
<b>Description</b>	
<b>Targets</b>	<span style="color: yellow;">V</span> coronavirus
<b>Assays</b>	<ul style="list-style-type: none"> <li><span style="color: blue;">DNA</span> <i>Extraction</i> - Roche - Roche MagNA Pure 24 System <ul style="list-style-type: none"> <li>● Commercial <ul style="list-style-type: none"> <li>○ Kit Manufacturer: <i>Roche</i></li> <li>○ Kit Type: <i>MagNA Pure Compact Nucleic Acid Isolation Kit I</i></li> </ul> </li> </ul> </li> <li><span style="color: blue;">RNA</span> <i>Amplification</i> - Roche - LightCycler 96 System <ul style="list-style-type: none"> <li>● Commercial <ul style="list-style-type: none"> <li>○ Kit Manufacturer: <i>BGI</i></li> <li>○ Kit Type: <i>BGI's Real-Time Fluorescent RT-PCR Kit</i></li> <li>○ Kit Version: <i>BGI's Real-Time Fluorescent RT-PCR Kit for Detecting SARS-CoV-2</i></li> </ul> </li> </ul> </li> </ul>

<b>Individual Report</b>		<b>QCMD 2020 SARS-CoV-2 EQA Programme</b>			 <small>Quality Control for Molecular Diagnostics</small>	
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### Further Programme Details

Number of Participants	389
Number of Countries	61
Number of Respondents	335
Number of Datasets Submitted	497
Qualitative Results Returned	497 (100.0%)


### EQA Programme Aims

To assess laboratories in the molecular detection of SARS-CoV-2 at clinically appropriate levels, near the limit of detection of the assay as well as the specificity of molecular assay in the presence of other non-SARS coronaviruses.

### Feedback and Enquiries

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

Any enquiries should be submitted through the 'Contact Us' form that you can find in the 'Help' section of your QCMD (ITEMS) Participant Profile Area.

<b>Individual Report</b>		<b>QCMD 2020 SARS-CoV-2 EQA Programme</b>			 <small>Quality Control for Molecular Diagnostics</small>	
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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)

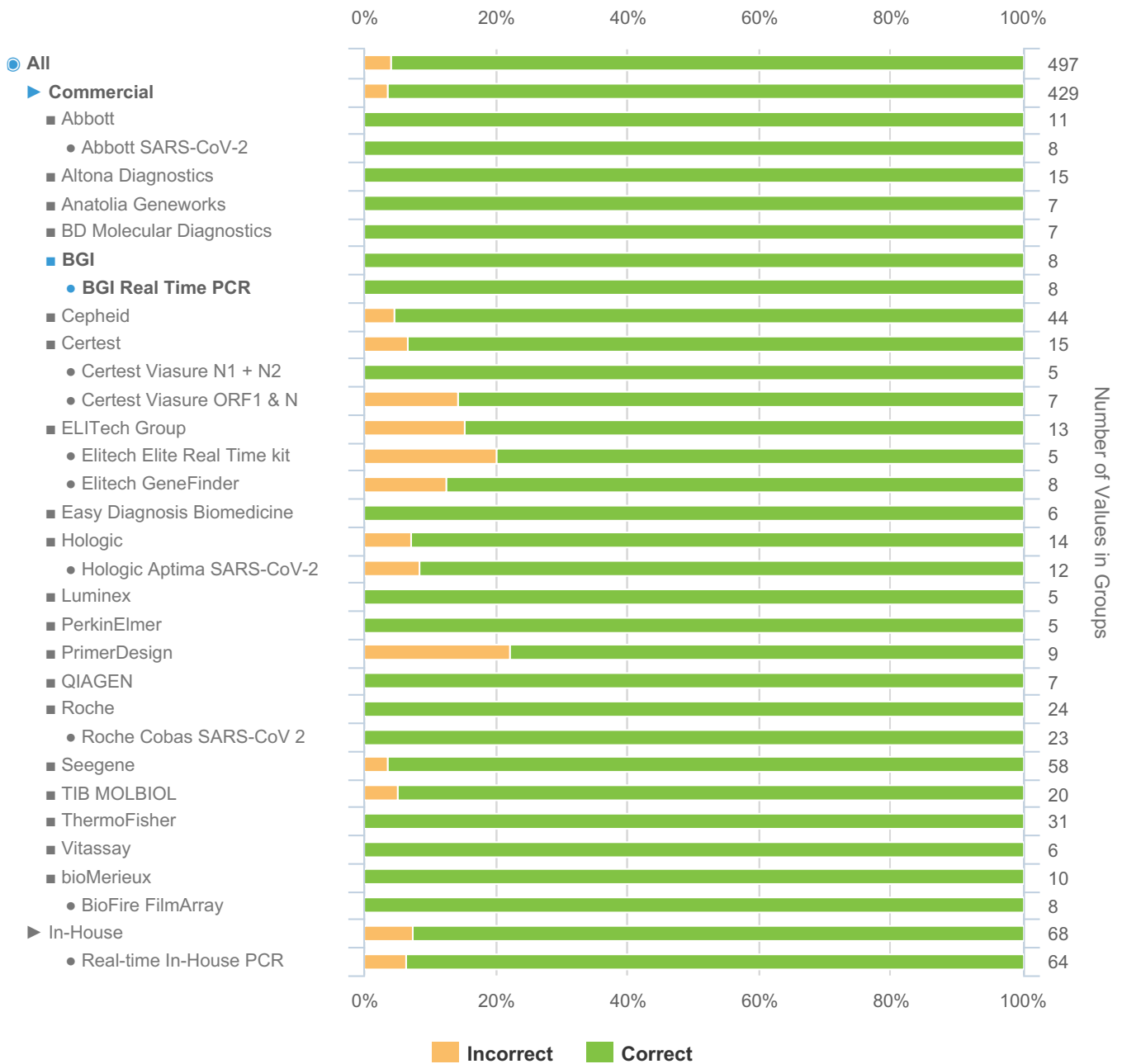
Qualitative analysis for each panel member is provided in relation to your EQA assessment group. EQA assessment groups are established using the molecular workflow information reported by all participants within this EQA challenge / distribution. The principal level of assessment is at the individual 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.

**SCV2\_101S-01 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
SCV2_101S-01	SARS-CoV-2	Transport Medium	3.16 dPCR Log10 Copies/ml (D2, DS1_3)	Frequently Detected	CORE	96.0	497





# Individual Report

# QCMD 2020 SARS-CoV-2 EQA Programme



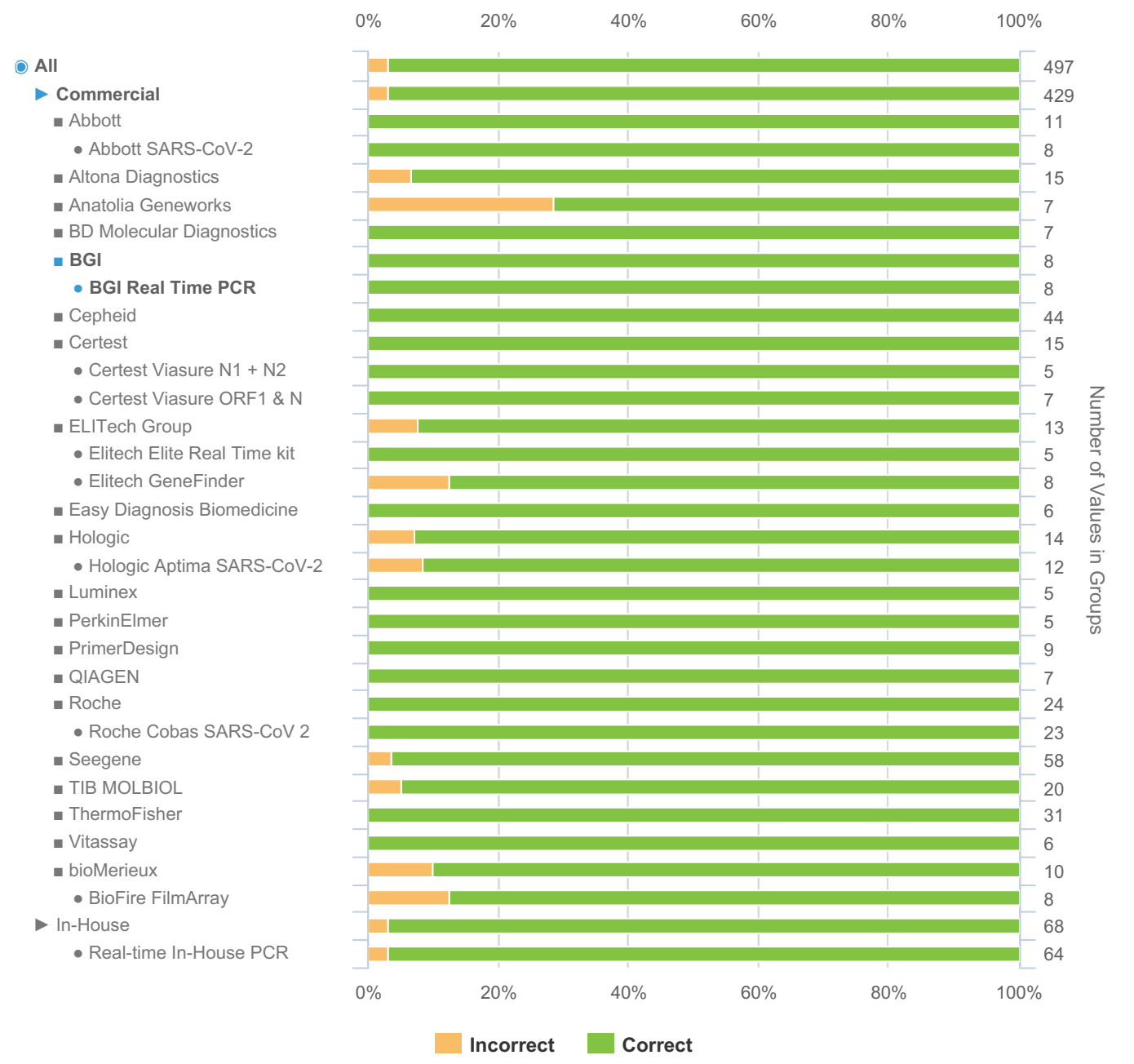
Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV204215	SCV2_20	S	Qualitative	399041	11738/399041/3134	ES136

**Groups below n=5:** AB Analytica (n=4), AB Analytica - AB Analytica REALQUALITY RQ (n=4), ABL (n=1), ABL - ABL UltraGene (n=1), AITbiotech (n=3), AITbiotech - AITbiotech abTES COVID-19 (n=3), Abbott - Abbott Alinity SARS-CoV-2 (n=3), Adaltis (n=2), Adaltis - Adaltis MOLgen SARS-CoV-2 (n=2), Amoy Diagnostics (n=1), Amoy Diagnostics - AmoyDx Novel Coronavirus (n=1), AmpliSens (n=1), AmpliSens - AmpliSens CoV-Bat\_FRT (n=1), Anchor Diagnostics (n=3), Anchor Diagnostics - Anchor Diagnostics SARS CoV-2 (n=3), Astra Biotech (n=2), Astra Biotech - Astra Biotech SARS-CoV-2 (n=2), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics SARS-CoV-2 (n=1), Bio-Rad (n=1), Bio-Rad - Bio-Rad SARS-CoV-2 (n=1), BioGX (n=1), BioGX - BioGX SARS-CoV-2 (n=1), Biocore Technologies (n=2), Biocore Technologies - Biocore SARS-CoV-2 (n=2), Bioeksen (n=1), Bioeksen - Bioeksen Biospeedy SARS-CoV-2 (n=1), Bioer Technologies (n=3), Bioer Technologies - Bioer SARS-CoV-2 (n=3), Bioline (n=1), Bioline - Bioline SensiFast (n=1), Bioneer (n=3), Bioneer - Bioneer Accupower SARS-CoV-2 (n=3), Bosch (n=1), Bosch - Bosch Vivalytic SARS-CoV-2 (n=1), CDC (n=2), CDC - CDC SARS-CoV-2 (n=2), Certest - Certest Viasure S (n=3), Chronomics (n=1), Chronomics - Chronomics COVID 19 (n=1), Clonit (n=4), Clonit - Clonit Real Time PCR (n=4), Co-Diagnostics Inc (n=2), Co-Diagnostics Inc - Co-Diagnostics Inc Logix Smart (n=2), Convergent Technologies (n=2), Convergent Technologies - Convergys COVID 19 (n=2), DAAN GENE (n=3), DAAN GENE - DAAN Gene Covid-19 (n=3), DNA-Technology Russia (n=1), DNA-Technology Russia - DNA-Technology Covid-19 (n=1), DS Bio Nano Technology (n=1), DS Bio Nano Technology - DS CORONEX COVID-19 (n=1), DiaSorin (n=2), DiaSorin - DiaSorin Simplexa (n=2), Diagenode (n=1), Diagenode - Diagenode Real-Time PCR (n=1), Diatech Pharmacogenetics (n=1), Diatech Pharmacogenetics - Diatech Easy SARS-CoV-2 (n=1), Diatheva (n=1), Diatheva - Diatheva COVID-19 (n=1), EUROIMMUN (n=2), EUROIMMUN - EURO RealTime SARS-CoV-2 (n=2), Elisabeth Pharmacon (n=1), Elisabeth Pharmacon - EliGene COVID19 CONFIRM RT (n=1), GeneFirst (n=1), GeneFirst - GeneFirst Covid-19 (n=1), GeneOne Diagnostics Corporation (n=1), GeneOne Diagnostics Corporation - GeneOne COVID-19 (n=1), Genematrix (n=1), Genematrix - Genematrix NeoPlex (n=1), Gold Standard Diagnostics (n=2), Gold Standard Diagnostics - GSD NovaPrime SARS-CoV-2 (n=2), Grifols (n=1), Grifols - Grifols Procleix SARS-CoV-2 (n=1), Guangdong Huayin Medicine Science (n=1), Guangdong Huayin Medicine Science - Guangdong Huayin Real Time PCR (n=1), Hain Lifescience (n=1), Hain Lifescience - Hain Lifescience SARS-CoV-2 plus (n=1), Hologic - Hologic Panther Fusion (n=2), HybriBio Limited (n=1), HybriBio Limited - HybriBio Real-Time PCR Kit (n=1), Imegen (n=2), Imegen - Imegen SARS-CoV-2 (n=2), Immundiagnostik (n=1), Immundiagnostik - Immundiagnostik MutaPLEX (n=1), Innocreate Bioscience (n=1), Innocreate Bioscience - Innocreate Bioscience SARS-CoV-2 (n=1), Kogene Biotech (n=2), Kogene Biotech - Kogene Powerchek (n=2), KrosGen (n=1), KrosGen - KrosGen KrosQuant SARS-CoV-2 (n=1), LiliF Diagnostic (n=1), LiliF Diagnostic - LiliF Diagnostic COVID-19 (n=1), Maccura Biotechnology (n=1), Maccura Biotechnology - Maccura SARS-CoV-2 (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Master Diagnostica - Master Diagnostica SARS-CoV-2 (n=2), Medicofarma (n=2), Medicofarma - Medicofarma MediPAN COVID SARS-CoV-2 (n=2), Mobidiag (n=3), Mobidiag - Mobidiag Amplidiag (n=1), Mobidiag - Mobidiag Novodiag (n=2), NZYTech (n=1), NZYTech - NZYTech SARS-CoV-2 (n=1), PathoFinder (n=4), PathoFinder - PathoFinder RealAccurate SARS-CoV-2 (n=4), PentaBase (n=3), PentaBase - PentaBase CoviDetect (n=3), Procomcure Biotech (n=1), Procomcure Biotech - Procomcure Biotech PhoenixDx SARS-CoV-2 (n=1), QIAGEN - Qiagen NeuMoDx (n=4), QIAGEN - Qiagen QIAsat-Dx (n=2), QIAGEN - Qiagen Real Time PCR (n=1), R-Biopharm (n=1), R-Biopharm - R-Biopharm RIDA Gene (n=1), Roche - Roche LightCycler Multiplex RNA Virus (n=1), SD BioSensor (n=1), SD BioSensor - SD BioSensor SARS-CoV-2 (n=1), Sacace (n=3), Sacace - Sacace SARS-CoV-2 (n=3), Seasun Biomaterials (n=1), Seasun Biomaterials - Seasun Biomaterials U-Top Covid-19 (n=1), Sentebiolab (n=1), Sentebiolab - Sentebiolab Senteligo SARS-CoV-2 (n=1), Shanghai Focusgen (n=1), Shanghai Focusgen - Shanghai Focusgen Real-Time PCR (n=1), Shanghai Fosun Pharmaceutical (n=1), Shanghai Fosun Pharmaceutical - Shanghai Fosun Real Time PCR (n=1), Solis BioDyne (n=1), Solis BioDyne - Solis BioDyne SARS-CoV-2 (n=1), Ukrainian Genetic Technologies (n=1), Ukrainian Genetic Technologies - Ukrainian Genetic Technologies COVID-19 (n=1), Vazyme (n=1), Vazyme - Vazyme SARS-CoV-2 (n=1), Vector Best (n=2), Vector Best - Vector Best SARS-CoV-2 (n=2), Veredus laboratories (n=1), Veredus laboratories - Veredus SARS-CoV-2 (n=1), ViennaLab Diagnostics (n=1), ViennaLab Diagnostics - ViennaLab SARS-CoV-2 RealFast (n=1), Yourgene Health (n=1), Yourgene Health - Yourgene Health Clarigene SARS-CoV-2 (n=1), ZJ Bio-Tech (n=2), ZJ Bio-Tech - ZJ Bio-Tech RT PCR (n=2), Zybio (n=1), Zybio - Zybio SARS-CoV-2 (n=1), bioMerieux - bioMerieux R-gene SARS-CoV-2 (n=2), fast-track DIAGNOSTICS (n=4), fast-track DIAGNOSTICS - FTD real time PCR (n=4), In-House - Conventional In-House PCR (n=4)

**Groups Rolled Up:** Altona Diagnostics - Altona Diagnostics RealStar (n=15), Anatolia Geneworks - Anatolia Geneworks Bosphore nCoV (n=7), BD Molecular Diagnostics - BD SARS-CoV-2 (n=7), Cepheid - Cepheid Xpert SARS-CoV-2 (n=44), Easy Diagnosis Biomedicine - EasyDiagnosis SARS-CoV-2 (n=6), Luminex - Luminex ARIES (n=5), PerkinElmer - PerkinElmer SARS-CoV-2 Real Time PCR (n=5), PrimerDesign - PrimerDesign Genesis (n=9), Seegene - Seegene Allplex SARS-CoV-2 (n=58), TIB MOLBIOL - TIB MOLBIOL LightMix (n=20), ThermoFisher - ThermoFisher TaqPath COVID-19 (n=31), Vitassay - Vitassay SARS-CoV-2 (n=6)

**SCV2\_101S-02 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
SCV2_101S-02	Coronavirus 229E	Transport Medium	3.93 dPCR Log10 Copies/ml	Negative	CORE	97.0	497



# Individual Report

# QCMD 2020 SARS-CoV-2 EQA Programme



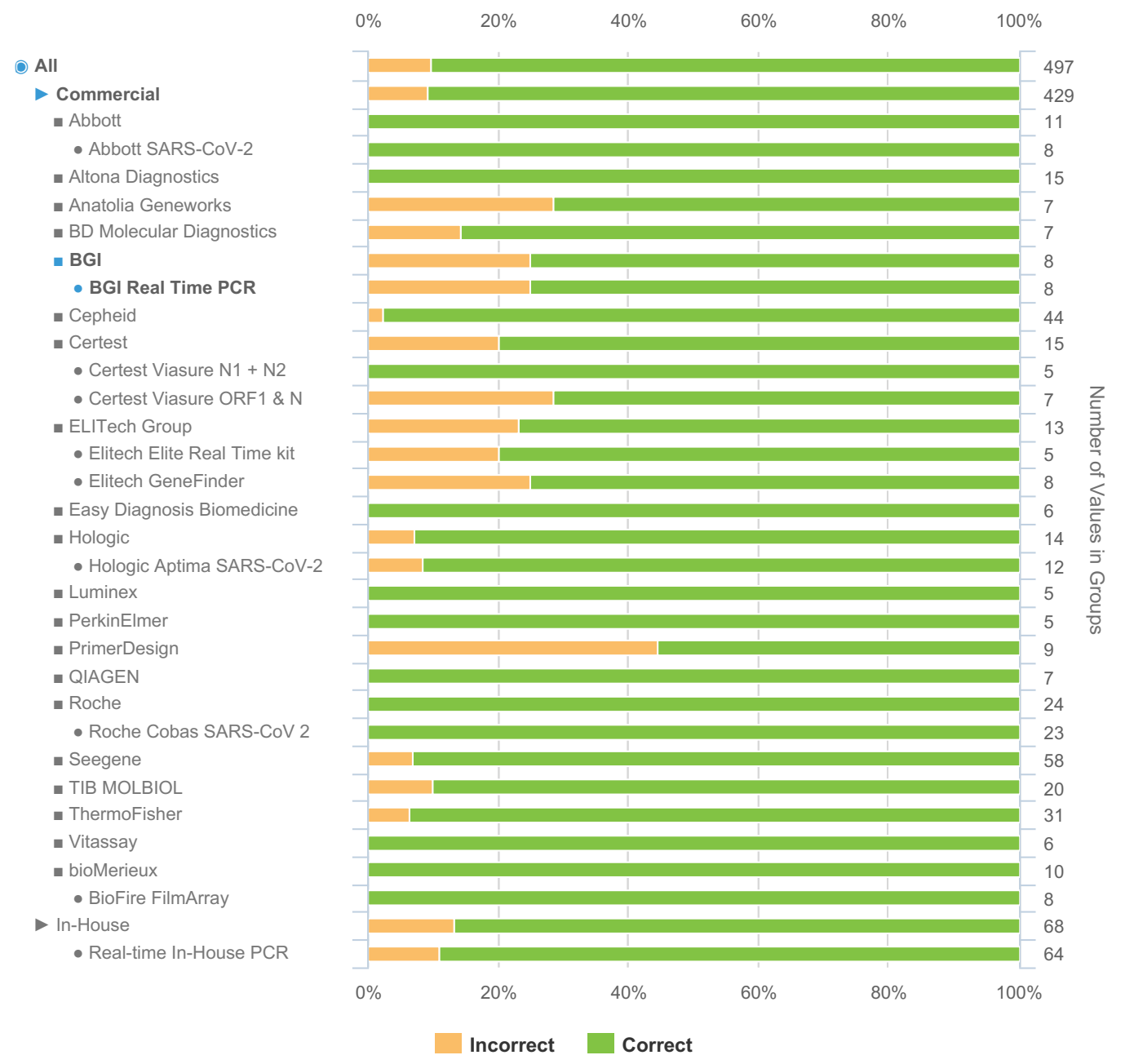
<b>Catalogue Code:</b> QAV204215	<b>Ref Code:</b> SCV2_20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative	<b>Dataset:</b> 399041	<b>Report UID:</b> 11738/399041/3134	<b>Laboratory:</b> ES136
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**Groups below n=5:** AB Analytica (n=4), AB Analytica - AB Analytica REALQUALITY RQ (n=4), ABL (n=1), ABL - ABL UltraGene (n=1), AITbiotech (n=3), AITbiotech - AITbiotech abTES COVID-19 (n=3), Abbott - Abbott Alinity SARS-CoV-2 (n=3), Adaltis (n=2), Adaltis - Adaltis MOLgen SARS-CoV-2 (n=2), Amoy Diagnostics (n=1), Amoy Diagnostics - AmoyDx Novel Coronavirus (n=1), AmpliSens (n=1), AmpliSens - AmpliSens CoV-Bat\_FRT (n=1), Anchor Diagnostics (n=3), Anchor Diagnostics - Anchor Diagnostics SARS CoV-2 (n=3), Astra Biotech (n=2), Astra Biotech - Astra Biotech SARS-CoV-2 (n=2), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics SARS-CoV-2 (n=1), Bio-Rad (n=1), Bio-Rad - Bio-Rad SARS-CoV-2 (n=1), BioGX (n=1), BioGX - BioGX SARS-CoV-2 (n=1), Biocore Technologies (n=2), Biocore Technologies - Biocore SARS-CoV-2 (n=2), Bioeksen (n=1), Bioeksen - Bioeksen Biospeedy SARS-CoV-2 (n=1), Bioer Technologies (n=3), Bioer Technologies - Bioer SARS-CoV-2 (n=3), Bioline (n=1), Bioline - Bioline SensiFast (n=1), Bioneer (n=3), Bioneer - Bioneer Accupower SARS-CoV-2 (n=3), Bosch (n=1), Bosch - Bosch Vivalytic SARS-CoV-2 (n=1), CDC (n=2), CDC - CDC SARS-CoV-2 (n=2), Certest - Certest Viasure S (n=3), Chronomics (n=1), Chronomics - Chronomics COVID 19 (n=1), Clonit (n=4), Clonit - Clonit Real Time PCR (n=4), Co-Diagnostics Inc (n=2), Co-Diagnostics Inc - Co-Diagnostics Inc Logix Smart (n=2), Convergent Technologies (n=2), Convergent Technologies - Convergys COVID 19 (n=2), DAAN GENE (n=3), DAAN GENE - DAAN Gene Covid-19 (n=3), DNA-Technology Russia (n=1), DNA-Technology Russia - DNA-Technology Covid-19 (n=1), DS Bio Nano Technology (n=1), DS Bio Nano Technology - DS CORONEX COVID-19 (n=1), DiaSorin (n=2), DiaSorin - DiaSorin Simplexa (n=2), Diagenode (n=1), Diagenode - Diagenode Real-Time PCR (n=1), Diatech Pharmacogenetics (n=1), Diatech Pharmacogenetics - Diatech Easy SARS-CoV-2 (n=1), Diatheva (n=1), Diatheva - Diatheva COVID-19 (n=1), EUROIMMUN (n=2), EUROIMMUN - EURO RealTime SARS-CoV-2 (n=2), Elisabeth Pharmacon (n=1), Elisabeth Pharmacon - EliGene COVID19 CONFIRM RT (n=1), GeneFirst (n=1), GeneFirst - GeneFirst Covid-19 (n=1), GeneOne Diagnostics Corporation (n=1), GeneOne Diagnostics Corporation - GeneOne COVID-19 (n=1), Genematrix (n=1), Genematrix - Genematrix NeoPlex (n=1), Gold Standard Diagnostics (n=2), Gold Standard Diagnostics - GSD NovaPrime SARS-CoV-2 (n=2), Grifols (n=1), Grifols - Grifols Procleix SARS-CoV-2 (n=1), Guangdong Huayin Medicine Science (n=1), Guangdong Huayin Medicine Science - Guangdong Huayin Real Time PCR (n=1), Hain Lifescience (n=1), Hain Lifescience - Hain Lifescience SARS-CoV-2 plus (n=1), Hologic - Hologic Panther Fusion (n=2), HybriBio Limited (n=1), HybriBio Limited - HybriBio Real-Time PCR Kit (n=1), Imegen (n=2), Imegen - Imegen SARS-CoV-2 (n=2), Immundiagnostik (n=1), Immundiagnostik - Immundiagnostik MutaPLEX (n=1), Innocreate Bioscience (n=1), Innocreate Bioscience - Innocreate Bioscience SARS-CoV-2 (n=1), Kogene Biotech (n=2), Kogene Biotech - Kogene Powerchek (n=2), KrosGen (n=1), KrosGen - KrosGen KrosQuant SARS-CoV-2 (n=1), LiliF Diagnostic (n=1), LiliF Diagnostic - LiliF Diagnostic COVID-19 (n=1), Maccura Biotechnology (n=1), Maccura Biotechnology - Maccura SARS-CoV-2 (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Master Diagnostica - Master Diagnostica SARS-CoV-2 (n=2), Medicofarma (n=2), Medicofarma - Medicofarma MediPAN COVID SARS-CoV-2 (n=2), Mobidiag (n=3), Mobidiag - Mobidiag Amplidiag (n=1), Mobidiag - Mobidiag Novodiag (n=2), NZYTEch (n=1), NZYTEch - NZYTEch SARS-CoV-2 (n=1), PathoFinder (n=4), PathoFinder - PathoFinder RealAccurate SARS-CoV-2 (n=4), PentaBase (n=3), PentaBase - PentaBase CoviDetect (n=3), Procomcure Biotech (n=1), Procomcure Biotech - Procomcure Biotech PhoenixDx SARS-CoV-2 (n=1), QIAGEN - Qiagen NeuMoDx (n=4), QIAGEN - Qiagen QIAtat-Dx (n=2), QIAGEN - Qiagen Real Time PCR (n=1), R-Biopharm (n=1), R-Biopharm - R-Biopharm RIDA Gene (n=1), Roche - Roche LightCycler Multiplex RNA Virus (n=1), SD BioSensor (n=1), SD BioSensor - SD BioSensor SARS-CoV-2 (n=1), Sacace (n=3), Sacace - Sacace SARS-CoV-2 (n=3), Seasun Biomaterials (n=1), Seasun Biomaterials - Seasun Biomaterials U-Top Covid-19 (n=1), Sentebiolab (n=1), Sentebiolab - Sentebiolab Senteligo SARS-CoV-2 (n=1), Shanghai Focusgen (n=1), Shanghai Focusgen - Shanghai Focusgen Real-Time PCR (n=1), Shanghai Fosun Pharmaceutical (n=1), Shanghai Fosun Pharmaceutical - Shanghai Fosun Real Time PCR (n=1), Solis BioDyne (n=1), Solis BioDyne - Solis BioDyne SARS-CoV-2 (n=1), Ukrainian Genetic Technologies (n=1), Ukrainian Genetic Technologies - Ukrainian Genetic Technologies COVID-19 (n=1), Vazyme (n=1), Vazyme - Vazyme SARS-CoV-2 (n=1), Vector Best (n=2), Vector Best - Vector Best SARS-CoV-2 (n=2), Veredus laboratories (n=1), Veredus laboratories - Veredus SARS-CoV-2 (n=1), ViennaLab Diagnostics (n=1), ViennaLab Diagnostics - ViennaLab SARS-CoV-2 RealFast (n=1), Yourgene Health (n=1), Yourgene Health - Yourgene Health Clarigene SARS-CoV-2 (n=1), ZJ Bio-Tech (n=2), ZJ Bio-Tech - ZJ Bio-Tech RT PCR (n=2), Zybio (n=1), Zybio - Zybio SARS-CoV-2 (n=1), bioMerieux - bioMerieux R-gene SARS-CoV-2 (n=2), fast-track DIAGNOSTICS (n=4), fast-track DIAGNOSTICS - FTD real time PCR (n=4), In-House - Conventional In-House PCR (n=4)

**Groups Rolled Up:** Altona Diagnostics - Altona Diagnostics RealStar (n=15), Anatolia Geneworks - Anatolia Geneworks Bosphore nCoV (n=7), BD Molecular Diagnostics - BD SARS-CoV-2 (n=7), Cepheid - Cepheid Xpert SARS-CoV-2 (n=44), Easy Diagnosis Biomedicine - EasyDiagnosis SARS-CoV-2 (n=6), Luminex - Luminex ARIES (n=5), PerkinElmer - PerkinElmer SARS-CoV-2 Real Time PCR (n=5), PrimerDesign - PrimerDesign Genesis (n=9), Seegene - Seegene Allplex SARS-CoV-2 (n=58), TIB MOLBIOL - TIB MOLBIOL LightMix (n=20), ThermoFisher - ThermoFisher TaqPath COVID-19 (n=31), Vitassay - Vitassay SARS-CoV-2 (n=6)

**SCV2\_101S-03 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
SCV2_101S-03	SARS-CoV-2	Transport Medium	2.48 dPCR Log10 Copies/ml (D3, DS1_4)	Detected	CORE	90.3	497



# Individual Report

# QCMD 2020 SARS-CoV-2 EQA Programme



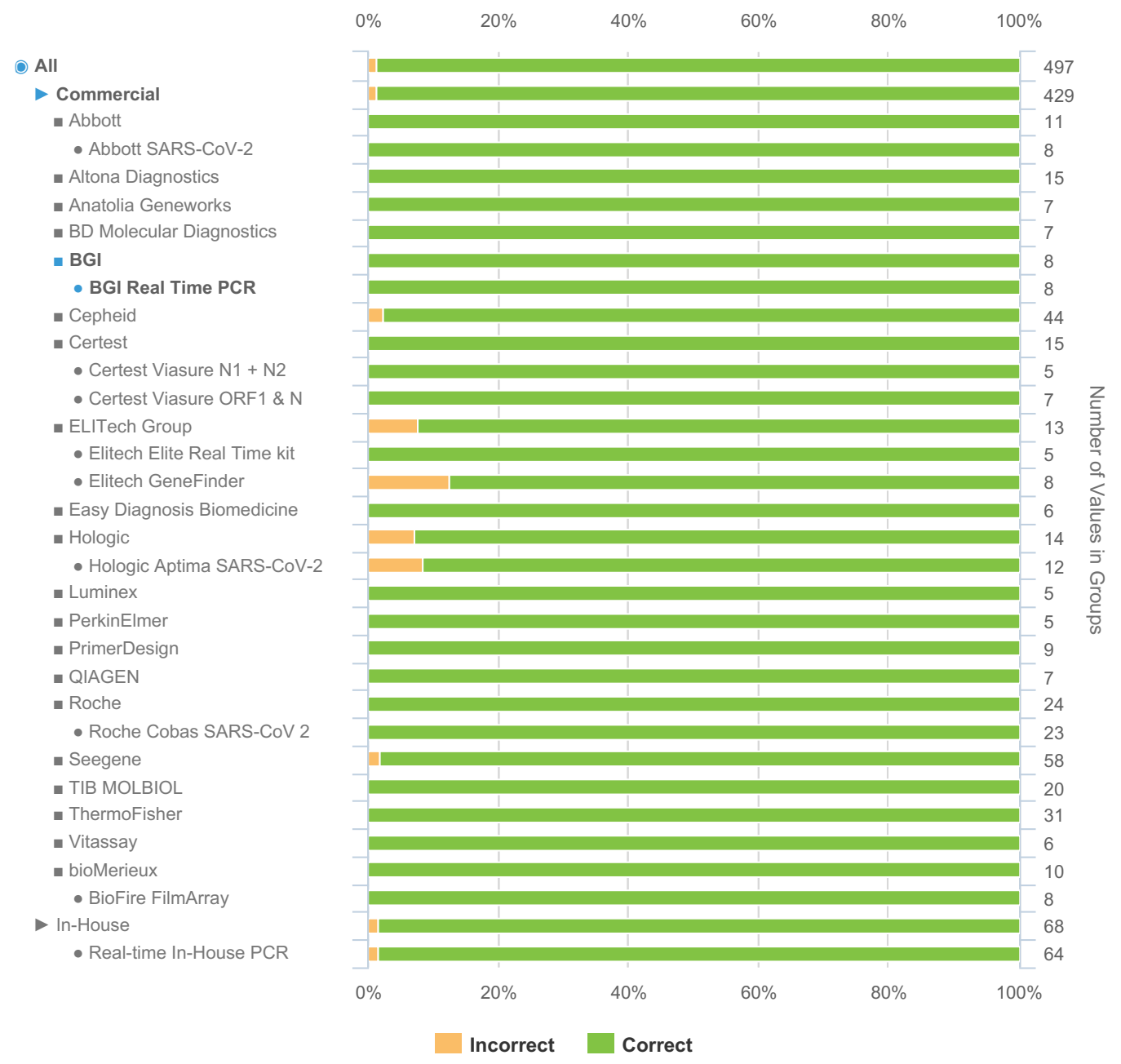
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**Groups below n=5:** AB Analytica (n=4), AB Analytica - AB Analytica REALQUALITY RQ (n=4), ABL (n=1), ABL - ABL UltraGene (n=1), AITbiotech (n=3), AITbiotech - AITbiotech abTES COVID-19 (n=3), Abbott - Abbott Alinity SARS-CoV-2 (n=3), Adaltis (n=2), Adaltis - Adaltis MOLgen SARS-CoV-2 (n=2), Amoy Diagnostics (n=1), Amoy Diagnostics - AmoyDx Novel Coronavirus (n=1), AmpliSens (n=1), AmpliSens - AmpliSens CoV-Bat\_FRT (n=1), Anchor Diagnostics (n=3), Anchor Diagnostics - Anchor Diagnostics SARS CoV-2 (n=3), Astra Biotech (n=2), Astra Biotech - Astra Biotech SARS-CoV-2 (n=2), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics SARS-CoV-2 (n=1), Bio-Rad (n=1), Bio-Rad - Bio-Rad SARS-CoV-2 (n=1), BioGX (n=1), BioGX - BioGX SARS-CoV-2 (n=1), Biocore Technologies (n=2), Biocore Technologies - Biocore SARS-CoV-2 (n=2), Bioeksen (n=1), Bioeksen - Bioeksen Biospeedy SARS-CoV-2 (n=1), Bioer Technologies (n=3), Bioer Technologies - Bioer SARS-CoV-2 (n=3), Bioline (n=1), Bioline - Bioline SensiFast (n=1), Bioneer (n=3), Bioneer - Bioneer Accupower SARS-CoV-2 (n=3), Bosch (n=1), Bosch - Bosch Vivalytic SARS-CoV-2 (n=1), CDC (n=2), CDC - CDC SARS-CoV-2 (n=2), Certest - Certest Viasure S (n=3), Chronomics (n=1), Chronomics - Chronomics COVID 19 (n=1), Clonit (n=4), Clonit - Clonit Real Time PCR (n=4), Co-Diagnostics Inc (n=2), Co-Diagnostics Inc - Co-Diagnostics Inc Logix Smart (n=2), Convergent Technologies (n=2), Convergent Technologies - Convergys COVID 19 (n=2), DAAN GENE (n=3), DAAN GENE - DAAN Gene Covid-19 (n=3), DNA-Technology Russia (n=1), DNA-Technology Russia - DNA-Technology Covid-19 (n=1), DS Bio Nano Technology (n=1), DS Bio Nano Technology - DS CORONEX COVID-19 (n=1), DiaSorin (n=2), DiaSorin - DiaSorin Simplexa (n=2), Diagenode (n=1), Diagenode - Diagenode Real-Time PCR (n=1), Diatech Pharmacogenetics (n=1), Diatech Pharmacogenetics - Diatech Easy SARS-CoV-2 (n=1), Diatheva (n=1), Diatheva - Diatheva COVID-19 (n=1), EUROIMMUN (n=2), EUROIMMUN - EURO RealTime SARS-CoV-2 (n=2), Elisabeth Pharmacon (n=1), Elisabeth Pharmacon - EliGene COVID19 CONFIRM RT (n=1), GeneFirst (n=1), GeneFirst - GeneFirst Covid-19 (n=1), GeneOne Diagnostics Corporation (n=1), GeneOne Diagnostics Corporation - GeneOne COVID-19 (n=1), Genematrix (n=1), Genematrix - Genematrix NeoPlex (n=1), Gold Standard Diagnostics (n=2), Gold Standard Diagnostics - GSD NovaPrime SARS-CoV-2 (n=2), Grifols (n=1), Grifols - Grifols Procleix SARS-CoV-2 (n=1), Guangdong Huayin Medicine Science (n=1), Guangdong Huayin Medicine Science - Guangdong Huayin Real Time PCR (n=1), Hain Lifescience (n=1), Hain Lifescience - Hain Lifescience SARS-CoV-2 plus (n=1), Hologic - Hologic Panther Fusion (n=2), HybriBio Limited (n=1), HybriBio Limited - HybriBio Real-Time PCR Kit (n=1), Imegen (n=2), Imegen - Imegen SARS-CoV-2 (n=2), Immundiagnostik (n=1), Immundiagnostik - Immundiagnostik MutaPLEX (n=1), Innocreate Bioscience (n=1), Innocreate Bioscience - Innocreate Bioscience SARS-CoV-2 (n=1), Kogene Biotech (n=2), Kogene Biotech - Kogene Powerchek (n=2), KrosGen (n=1), KrosGen - KrosGen KrosQuant SARS-CoV-2 (n=1), LiliF Diagnostic (n=1), LiliF Diagnostic - LiliF Diagnostic COVID-19 (n=1), Maccura Biotechnology (n=1), Maccura Biotechnology - Maccura SARS-CoV-2 (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Master Diagnostica - Master Diagnostica SARS-CoV-2 (n=2), Medicofarma (n=2), Medicofarma - Medicofarma MediPAN COVID SARS-CoV-2 (n=2), Mobidiag (n=3), Mobidiag - Mobidiag Amplidiag (n=1), Mobidiag - Mobidiag Novodiag (n=2), NZYTEch (n=1), NZYTEch - NZYTEch SARS-CoV-2 (n=1), PathoFinder (n=4), PathoFinder - PathoFinder RealAccurate SARS-CoV-2 (n=4), PentaBase (n=3), PentaBase - PentaBase CoviDetect (n=3), Procomcure Biotech (n=1), Procomcure Biotech - Procomcure Biotech PhoenixDx SARS-CoV-2 (n=1), QIAGEN - Qiagen NeuMoDx (n=4), QIAGEN - Qiagen QIAtat-Dx (n=2), QIAGEN - Qiagen Real Time PCR (n=1), R-Biopharm (n=1), R-Biopharm - R-Biopharm RIDA Gene (n=1), Roche - Roche LightCycler Multiplex RNA Virus (n=1), SD BioSensor (n=1), SD BioSensor - SD BioSensor SARS-CoV-2 (n=1), Sacace (n=3), Sacace - Sacace SARS-CoV-2 (n=3), Seasun Biomaterials (n=1), Seasun Biomaterials - Seasun Biomaterials U-Top Covid-19 (n=1), Sentebiolab (n=1), Sentebiolab - Sentebiolab Senteligo SARS-CoV-2 (n=1), Shanghai Focusgen (n=1), Shanghai Focusgen - Shanghai Focusgen Real-Time PCR (n=1), Shanghai Fosun Pharmaceutical (n=1), Shanghai Fosun Pharmaceutical - Shanghai Fosun Real Time PCR (n=1), Solis BioDyne (n=1), Solis BioDyne - Solis BioDyne SARS-CoV-2 (n=1), Ukrainian Genetic Technologies (n=1), Ukrainian Genetic Technologies - Ukrainian Genetic Technologies COVID-19 (n=1), Vazyme (n=1), Vazyme - Vazyme SARS-CoV-2 (n=1), Vector Best (n=2), Vector Best - Vector Best SARS-CoV-2 (n=2), Veredus laboratories (n=1), Veredus laboratories - Veredus SARS-CoV-2 (n=1), ViennaLab Diagnostics (n=1), ViennaLab Diagnostics - ViennaLab SARS-CoV-2 RealFast (n=1), Yourgene Health (n=1), Yourgene Health - Yourgene Health Clarigene SARS-CoV-2 (n=1), ZJ Bio-Tech (n=2), ZJ Bio-Tech - ZJ Bio-Tech RT PCR (n=2), Zybio (n=1), Zybio - Zybio SARS-CoV-2 (n=1), bioMerieux - bioMerieux R-gene SARS-CoV-2 (n=2), fast-track DIAGNOSTICS (n=4), fast-track DIAGNOSTICS - FTD real time PCR (n=4), In-House - Conventional In-House PCR (n=4)

**Groups Rolled Up:** Altona Diagnostics - Altona Diagnostics RealStar (n=15), Anatolia Geneworks - Anatolia Geneworks Bosphore nCoV (n=7), BD Molecular Diagnostics - BD SARS-CoV-2 (n=7), Cepheid - Cepheid Xpert SARS-CoV-2 (n=44), Easy Diagnosis Biomedicine - EasyDiagnosis SARS-CoV-2 (n=6), Luminex - Luminex ARIES (n=5), PerkinElmer - PerkinElmer SARS-CoV-2 Real Time PCR (n=5), PrimerDesign - PrimerDesign Genesis (n=9), Seegene - Seegene Allplex SARS-CoV-2 (n=58), TIB MOLBIOL - TIB MOLBIOL LightMix (n=20), ThermoFisher - ThermoFisher TaqPath COVID-19 (n=31), Vitassay - Vitassay SARS-CoV-2 (n=6)

**SCV2\_101S-04 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
SCV2_101S-04	SARS-CoV-2	Transport Medium	4.29 dPCR Log10 Copies/ml (DS1_1)	Frequently Detected	CORE	98.8	497



# Individual Report

# QCMD 2020 SARS-CoV-2 EQA Programme



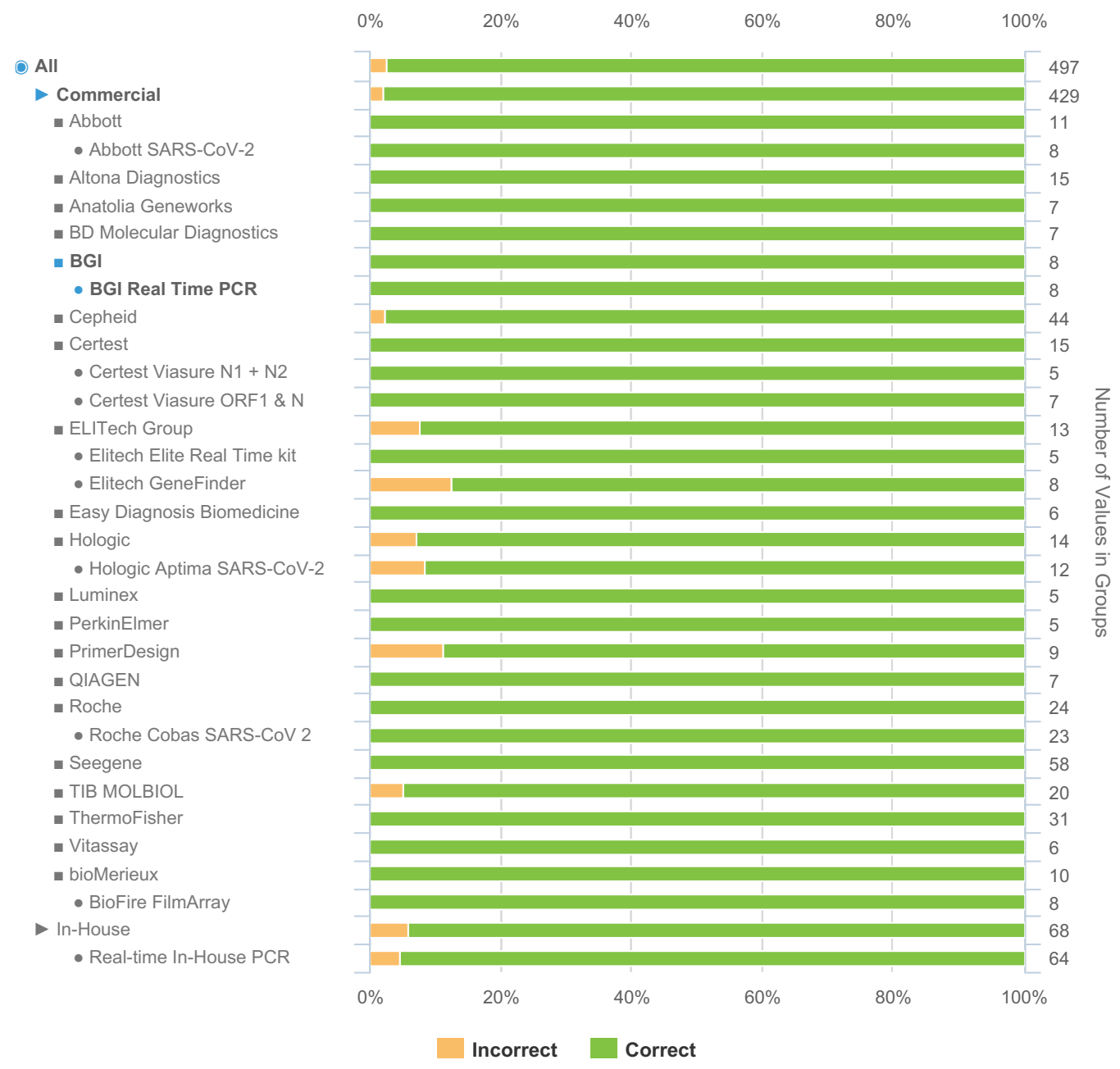
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**Groups below n=5:** AB Analytica (n=4), AB Analytica - AB Analytica REALQUALITY RQ (n=4), ABL (n=1), ABL - ABL UltraGene (n=1), AITbiotech (n=3), AITbiotech - AITbiotech abTES COVID-19 (n=3), Abbott - Abbott Alinity SARS-CoV-2 (n=3), Adaltis (n=2), Adaltis - Adaltis MOLgen SARS-CoV-2 (n=2), Amoy Diagnostics (n=1), Amoy Diagnostics - AmoyDx Novel Coronavirus (n=1), AmpliSens (n=1), AmpliSens - AmpliSens CoV-Bat\_FRT (n=1), Anchor Diagnostics (n=3), Anchor Diagnostics - Anchor Diagnostics SARS CoV-2 (n=3), Astra Biotech (n=2), Astra Biotech - Astra Biotech SARS-CoV-2 (n=2), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics SARS-CoV-2 (n=1), Bio-Rad (n=1), Bio-Rad - Bio-Rad SARS-CoV-2 (n=1), BioGX (n=1), BioGX - BioGX SARS-CoV-2 (n=1), Biocore Technologies (n=2), Biocore Technologies - Biocore SARS-CoV-2 (n=2), Bioeksen (n=1), Bioeksen - Bioeksen Biospeedy SARS-CoV-2 (n=1), Bioer Technologies (n=3), Bioer Technologies - Bioer SARS-CoV-2 (n=3), Bioline (n=1), Bioline - Bioline SensiFast (n=1), Bioneer (n=3), Bioneer - Bioneer Accupower SARS-CoV-2 (n=3), Bosch (n=1), Bosch - Bosch Vivalytic SARS-CoV-2 (n=1), CDC (n=2), CDC - CDC SARS-CoV-2 (n=2), Certest - Certest Viasure S (n=3), Chronomics (n=1), Chronomics - Chronomics COVID 19 (n=1), Clonit (n=4), Clonit - Clonit Real Time PCR (n=4), Co-Diagnostics Inc (n=2), Co-Diagnostics Inc - Co-Diagnostics Inc Logix Smart (n=2), Convergent Technologies (n=2), Convergent Technologies - Convergys COVID 19 (n=2), DAAN GENE (n=3), DAAN GENE - DAAN Gene Covid-19 (n=3), DNA-Technology Russia (n=1), DNA-Technology Russia - DNA-Technology Covid-19 (n=1), DS Bio Nano Technology (n=1), DS Bio Nano Technology - DS CORONEX COVID-19 (n=1), DiaSorin (n=2), DiaSorin - DiaSorin Simplexa (n=2), Diagenode (n=1), Diagenode - Diagenode Real-Time PCR (n=1), Diatech Pharmacogenetics (n=1), Diatech Pharmacogenetics - Diatech Easy SARS-CoV-2 (n=1), Diatheva (n=1), Diatheva - Diatheva COVID-19 (n=1), EUROIMMUN (n=2), EUROIMMUN - EURO RealTime SARS-CoV-2 (n=2), Elisabeth Pharmacon (n=1), Elisabeth Pharmacon - EliGene COVID19 CONFIRM RT (n=1), GeneFirst (n=1), GeneFirst - GeneFirst Covid-19 (n=1), GeneOne Diagnostics Corporation (n=1), GeneOne Diagnostics Corporation - GeneOne COVID-19 (n=1), Genematrix (n=1), Genematrix - Genematrix NeoPlex (n=1), Gold Standard Diagnostics (n=2), Gold Standard Diagnostics - GSD NovaPrime SARS-CoV-2 (n=2), Grifols (n=1), Grifols - Grifols Procleix SARS-CoV-2 (n=1), Guangdong Huayin Medicine Science (n=1), Guangdong Huayin Medicine Science - Guangdong Huayin Real Time PCR (n=1), Hain Lifescience (n=1), Hain Lifescience - Hain Lifescience SARS-CoV-2 plus (n=1), Hologic - Hologic Panther Fusion (n=2), HybriBio Limited (n=1), HybriBio Limited - HybriBio Real-Time PCR Kit (n=1), Imegen (n=2), Imegen - Imegen SARS-CoV-2 (n=2), Immundiagnostik (n=1), Immundiagnostik - Immundiagnostik MutaPLEX (n=1), Innocreate Bioscience (n=1), Innocreate Bioscience - Innocreate Bioscience SARS-CoV-2 (n=1), Kogene Biotech (n=2), Kogene Biotech - Kogene Powerchek (n=2), KrosGen (n=1), KrosGen - KrosGen KrosQuant SARS-CoV-2 (n=1), LiliF Diagnostic (n=1), LiliF Diagnostic - LiliF Diagnostic COVID-19 (n=1), Maccura Biotechnology (n=1), Maccura Biotechnology - Maccura SARS-CoV-2 (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Master Diagnostica - Master Diagnostica SARS-CoV-2 (n=2), Medicofarma (n=2), Medicofarma - Medicofarma MediPAN COVID SARS-CoV-2 (n=2), Mobidiag (n=3), Mobidiag - Mobidiag Amplidiag (n=1), Mobidiag - Mobidiag Novodiag (n=2), NZYTEch (n=1), NZYTEch - NZYTEch SARS-CoV-2 (n=1), PathoFinder (n=4), PathoFinder - PathoFinder RealAccurate SARS-CoV-2 (n=4), PentaBase (n=3), PentaBase - PentaBase CoviDetect (n=3), Procomcure Biotech (n=1), Procomcure Biotech - Procomcure Biotech PhoenixDx SARS-CoV-2 (n=1), QIAGEN - Qiagen NeuMoDx (n=4), QIAGEN - Qiagen QIAsat-Dx (n=2), QIAGEN - Qiagen Real Time PCR (n=1), R-Biopharm (n=1), R-Biopharm - R-Biopharm RIDA Gene (n=1), Roche - Roche LightCycler Multiplex RNA Virus (n=1), SD BioSensor (n=1), SD BioSensor - SD BioSensor SARS-CoV-2 (n=1), Sacace (n=3), Sacace - Sacace SARS-CoV-2 (n=3), Seasun Biomaterials (n=1), Seasun Biomaterials - Seasun Biomaterials U-Top Covid-19 (n=1), Sentebiolab (n=1), Sentebiolab - Sentebiolab Senteligo SARS-CoV-2 (n=1), Shanghai Focusgen (n=1), Shanghai Focusgen - Shanghai Focusgen Real-Time PCR (n=1), Shanghai Fosun Pharmaceutical (n=1), Shanghai Fosun Pharmaceutical - Shanghai Fosun Real Time PCR (n=1), Solis BioDyne (n=1), Solis BioDyne - Solis BioDyne SARS-CoV-2 (n=1), Ukrainian Genetic Technologies (n=1), Ukrainian Genetic Technologies - Ukrainian Genetic Technologies COVID-19 (n=1), Vazyme (n=1), Vazyme - Vazyme SARS-CoV-2 (n=1), Vector Best (n=2), Vector Best - Vector Best SARS-CoV-2 (n=2), Veredus laboratories (n=1), Veredus laboratories - Veredus SARS-CoV-2 (n=1), ViennaLab Diagnostics (n=1), ViennaLab Diagnostics - ViennaLab SARS-CoV-2 RealFast (n=1), Yourgene Health (n=1), Yourgene Health - Yourgene Health Clarigene SARS-CoV-2 (n=1), ZJ Bio-Tech (n=2), ZJ Bio-Tech - ZJ Bio-Tech RT PCR (n=2), Zybio (n=1), Zybio - Zybio SARS-CoV-2 (n=1), bioMerieux - bioMerieux R-gene SARS-CoV-2 (n=2), fast-track DIAGNOSTICS (n=4), fast-track DIAGNOSTICS - FTD real time PCR (n=4), In-House - Conventional In-House PCR (n=4)

**Groups Rolled Up:** Altona Diagnostics - Altona Diagnostics RealStar (n=15), Anatolia Geneworks - Anatolia Geneworks Bosphore nCoV (n=7), BD Molecular Diagnostics - BD SARS-CoV-2 (n=7), Cepheid - Cepheid Xpert SARS-CoV-2 (n=44), Easy Diagnosis Biomedicine - EasyDiagnosis SARS-CoV-2 (n=6), Luminex - Luminex ARIES (n=5), PerkinElmer - PerkinElmer SARS-CoV-2 Real Time PCR (n=5), PrimerDesign - PrimerDesign Genesis (n=9), Seegene - Seegene Allplex SARS-CoV-2 (n=58), TIB MOLBIOL - TIB MOLBIOL LightMix (n=20), ThermoFisher - ThermoFisher TaqPath COVID-19 (n=31), Vitassay - Vitassay SARS-CoV-2 (n=6)

**SCV2\_101S-05 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
SCV2_101S-05	SARS-CoV-2	Transport Medium	3.27 dPCR Log10 Copies/ml (D1, DS1_2)	Frequently Detected	CORE	97.4	497





# Individual Report

# QCMD 2020 SARS-CoV-2 EQA Programme



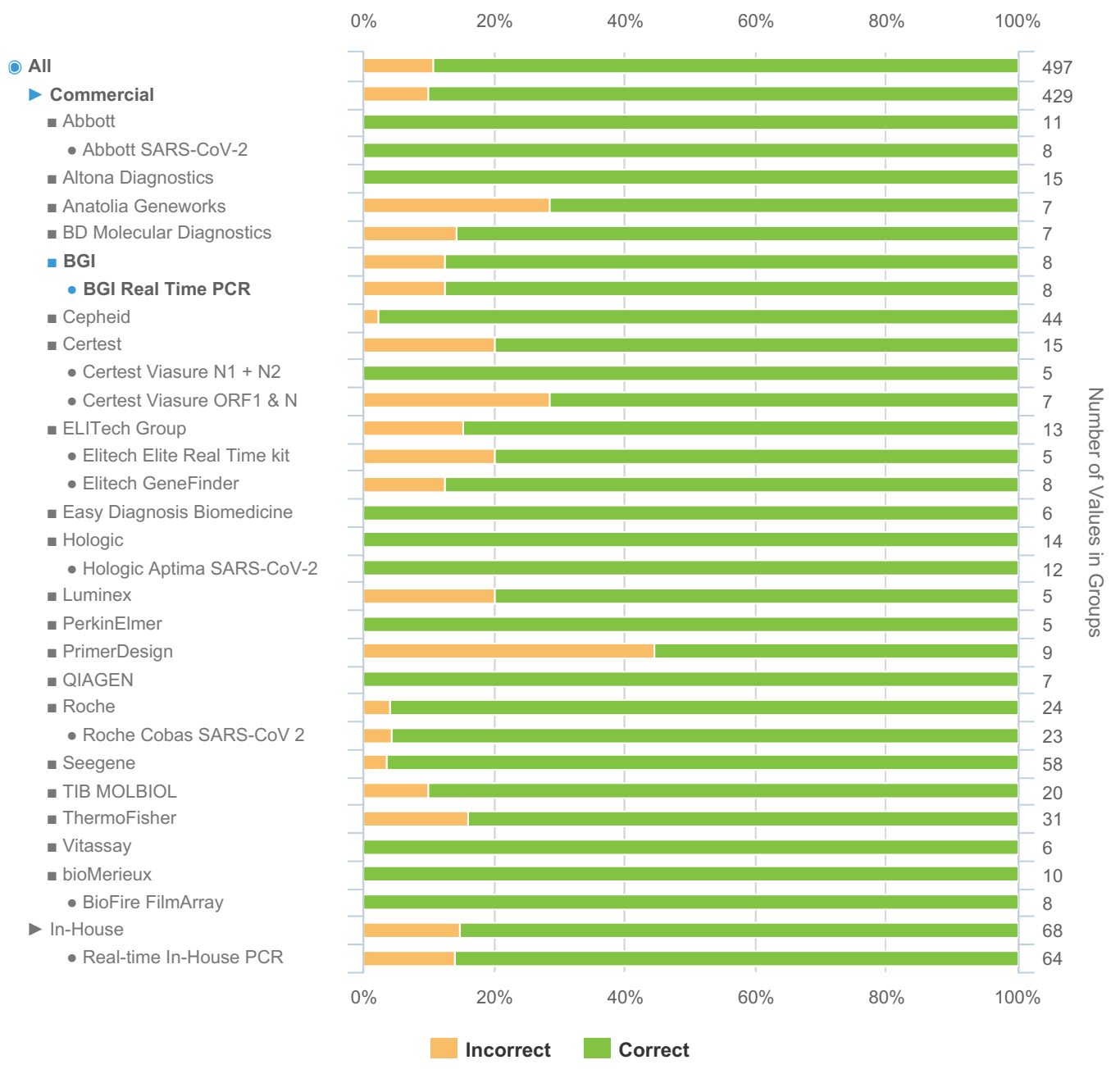
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**Groups below n=5:** AB Analytica (n=4), AB Analytica - AB Analytica REALQUALITY RQ (n=4), ABL (n=1), ABL - ABL UltraGene (n=1), AITbiotech (n=3), AITbiotech - AITbiotech abTES COVID-19 (n=3), Abbott - Abbott Alinity SARS-CoV-2 (n=3), Adaltis (n=2), Adaltis - Adaltis MOLgen SARS-CoV-2 (n=2), Amoy Diagnostics (n=1), Amoy Diagnostics - AmoyDx Novel Coronavirus (n=1), AmpliSens (n=1), AmpliSens - AmpliSens CoV-Bat\_FRT (n=1), Anchor Diagnostics (n=3), Anchor Diagnostics - Anchor Diagnostics SARS CoV-2 (n=3), Astra Biotech (n=2), Astra Biotech - Astra Biotech SARS-CoV-2 (n=2), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics SARS-CoV-2 (n=1), Bio-Rad (n=1), Bio-Rad - Bio-Rad SARS-CoV-2 (n=1), BioGX (n=1), BioGX - BioGX SARS-CoV-2 (n=1), Biocore Technologies (n=2), Biocore Technologies - Biocore SARS-CoV-2 (n=2), Bioeksen (n=1), Bioeksen - Bioeksen Biospeedy SARS-CoV-2 (n=1), Bioer Technologies (n=3), Bioer Technologies - Bioer SARS-CoV-2 (n=3), Bioline (n=1), Bioline - Bioline SensiFast (n=1), Bioneer (n=3), Bioneer - Bioneer Accupower SARS-CoV-2 (n=3), Bosch (n=1), Bosch - Bosch Vivalytic SARS-CoV-2 (n=1), CDC (n=2), CDC - CDC SARS-CoV-2 (n=2), Certest - Certest Viasure S (n=3), Chronomics (n=1), Chronomics - Chronomics COVID 19 (n=1), Clonit (n=4), Clonit - Clonit Real Time PCR (n=4), Co-Diagnostics Inc (n=2), Co-Diagnostics Inc - Co-Diagnostics Inc Logix Smart (n=2), Convergent Technologies (n=2), Convergent Technologies - Convergys COVID 19 (n=2), DAAN GENE (n=3), DAAN GENE - DAAN Gene Covid-19 (n=3), DNA-Technology Russia (n=1), DNA-Technology Russia - DNA-Technology Covid-19 (n=1), DS Bio Nano Technology (n=1), DS Bio Nano Technology - DS CORONEX COVID-19 (n=1), DiaSorin (n=2), DiaSorin - DiaSorin Simplexa (n=2), Diagenode (n=1), Diagenode - Diagenode Real-Time PCR (n=1), Diatech Pharmacogenetics (n=1), Diatech Pharmacogenetics - Diatech Easy SARS-CoV-2 (n=1), Diatheva (n=1), Diatheva - Diatheva COVID-19 (n=1), EUROIMMUN (n=2), EUROIMMUN - EURO RealTime SARS-CoV-2 (n=2), Elisabeth Pharmacon (n=1), Elisabeth Pharmacon - EliGene COVID19 CONFIRM RT (n=1), GeneFirst (n=1), GeneFirst - GeneFirst Covid-19 (n=1), GeneOne Diagnostics Corporation (n=1), GeneOne Diagnostics Corporation - GeneOne COVID-19 (n=1), Genematrix (n=1), Genematrix - Genematrix NeoPlex (n=1), Gold Standard Diagnostics (n=2), Gold Standard Diagnostics - GSD NovaPrime SARS-CoV-2 (n=2), Grifols (n=1), Grifols - Grifols Procleix SARS-CoV-2 (n=1), Guangdong Huayin Medicine Science (n=1), Guangdong Huayin Medicine Science - Guangdong Huayin Real Time PCR (n=1), Hain Lifescience (n=1), Hain Lifescience - Hain Lifescience SARS-CoV-2 plus (n=1), Hologic - Hologic Panther Fusion (n=2), HybriBio Limited (n=1), HybriBio Limited - HybriBio Real-Time PCR Kit (n=1), Imegen (n=2), Imegen - Imegen SARS-CoV-2 (n=2), Immundiagnostik (n=1), Immundiagnostik - Immundiagnostik MutaPLEX (n=1), Innocreate Bioscience (n=1), Innocreate Bioscience - Innocreate Bioscience SARS-CoV-2 (n=1), Kogene Biotech (n=2), Kogene Biotech - Kogene Powerchek (n=2), KrosGen (n=1), KrosGen - KrosGen KrosQuant SARS-CoV-2 (n=1), LiliF Diagnostic (n=1), LiliF Diagnostic - LiliF Diagnostic COVID-19 (n=1), Maccura Biotechnology (n=1), Maccura Biotechnology - Maccura SARS-CoV-2 (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Master Diagnostica - Master Diagnostica SARS-CoV-2 (n=2), Medicofarma (n=2), Medicofarma - Medicofarma MediPAN COVID SARS-CoV-2 (n=2), Mobidiag (n=3), Mobidiag - Mobidiag Amplidiag (n=1), Mobidiag - Mobidiag Novodiag (n=2), NZYTEch (n=1), NZYTEch - NZYTEch SARS-CoV-2 (n=1), PathoFinder (n=4), PathoFinder - PathoFinder RealAccurate SARS-CoV-2 (n=4), PentaBase (n=3), PentaBase - PentaBase CoviDetect (n=3), Procomcure Biotech (n=1), Procomcure Biotech - Procomcure Biotech PhoenixDx SARS-CoV-2 (n=1), QIAGEN - Qiagen NeuMoDx (n=4), QIAGEN - Qiagen QIStat-Dx (n=2), QIAGEN - Qiagen Real Time PCR (n=1), R-Biopharm (n=1), R-Biopharm - R-Biopharm RIDA Gene (n=1), Roche - Roche LightCycler Multiplex RNA Virus (n=1), SD BioSensor (n=1), SD BioSensor - SD BioSensor SARS-CoV-2 (n=1), Sacace (n=3), Sacace - Sacace SARS-CoV-2 (n=3), Seasun Biomaterials (n=1), Seasun Biomaterials - Seasun Biomaterials U-Top Covid-19 (n=1), Sentebiolab (n=1), Sentebiolab - Sentebiolab Senteligo SARS-CoV-2 (n=1), Shanghai Focusgen (n=1), Shanghai Focusgen - Shanghai Focusgen Real-Time PCR (n=1), Shanghai Fosun Pharmaceutical (n=1), Shanghai Fosun Pharmaceutical - Shanghai Fosun Real Time PCR (n=1), Solis BioDyne (n=1), Solis BioDyne - Solis BioDyne SARS-CoV-2 (n=1), Ukrainian Genetic Technologies (n=1), Ukrainian Genetic Technologies - Ukrainian Genetic Technologies COVID-19 (n=1), Vazyme (n=1), Vazyme - Vazyme SARS-CoV-2 (n=1), Vector Best (n=2), Vector Best - Vector Best SARS-CoV-2 (n=2), Veredus laboratories (n=1), Veredus laboratories - Veredus SARS-CoV-2 (n=1), ViennaLab Diagnostics (n=1), ViennaLab Diagnostics - ViennaLab SARS-CoV-2 RealFast (n=1), Yourgene Health (n=1), Yourgene Health - Yourgene Health Clarigene SARS-CoV-2 (n=1), ZJ Bio-Tech (n=2), ZJ Bio-Tech - ZJ Bio-Tech RT PCR (n=2), Zybio (n=1), Zybio - Zybio SARS-CoV-2 (n=1), bioMerieux - bioMerieux R-gene SARS-CoV-2 (n=2), fast-track DIAGNOSTICS (n=4), fast-track DIAGNOSTICS - FTD real time PCR (n=4), In-House - Conventional In-House PCR (n=4)

**Groups Rolled Up:** Altona Diagnostics - Altona Diagnostics RealStar (n=15), Anatolia Geneworks - Anatolia Geneworks Bosphore nCoV (n=7), BD Molecular Diagnostics - BD SARS-CoV-2 (n=7), Cepheid - Cepheid Xpert SARS-CoV-2 (n=44), Easy Diagnosis Biomedicine - EasyDiagnosis SARS-CoV-2 (n=6), Luminex - Luminex ARIES (n=5), PerkinElmer - PerkinElmer SARS-CoV-2 Real Time PCR (n=5), PrimerDesign - PrimerDesign Genesis (n=9), Seegene - Seegene Allplex SARS-CoV-2 (n=58), TIB MOLBIOL - TIB MOLBIOL LightMix (n=20), ThermoFisher - ThermoFisher TaqPath COVID-19 (n=31), Vitassay - Vitassay SARS-CoV-2 (n=6)

**SCV2\_101S-06 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
SCV2_101S-06	SARS-CoV-2	Transport Medium	2.48 dPCR Log10 Copies/ml (D3, DS1_4)	Detected	CORE	89.3	497



# Individual Report

# QCMD 2020 SARS-CoV-2 EQA Programme



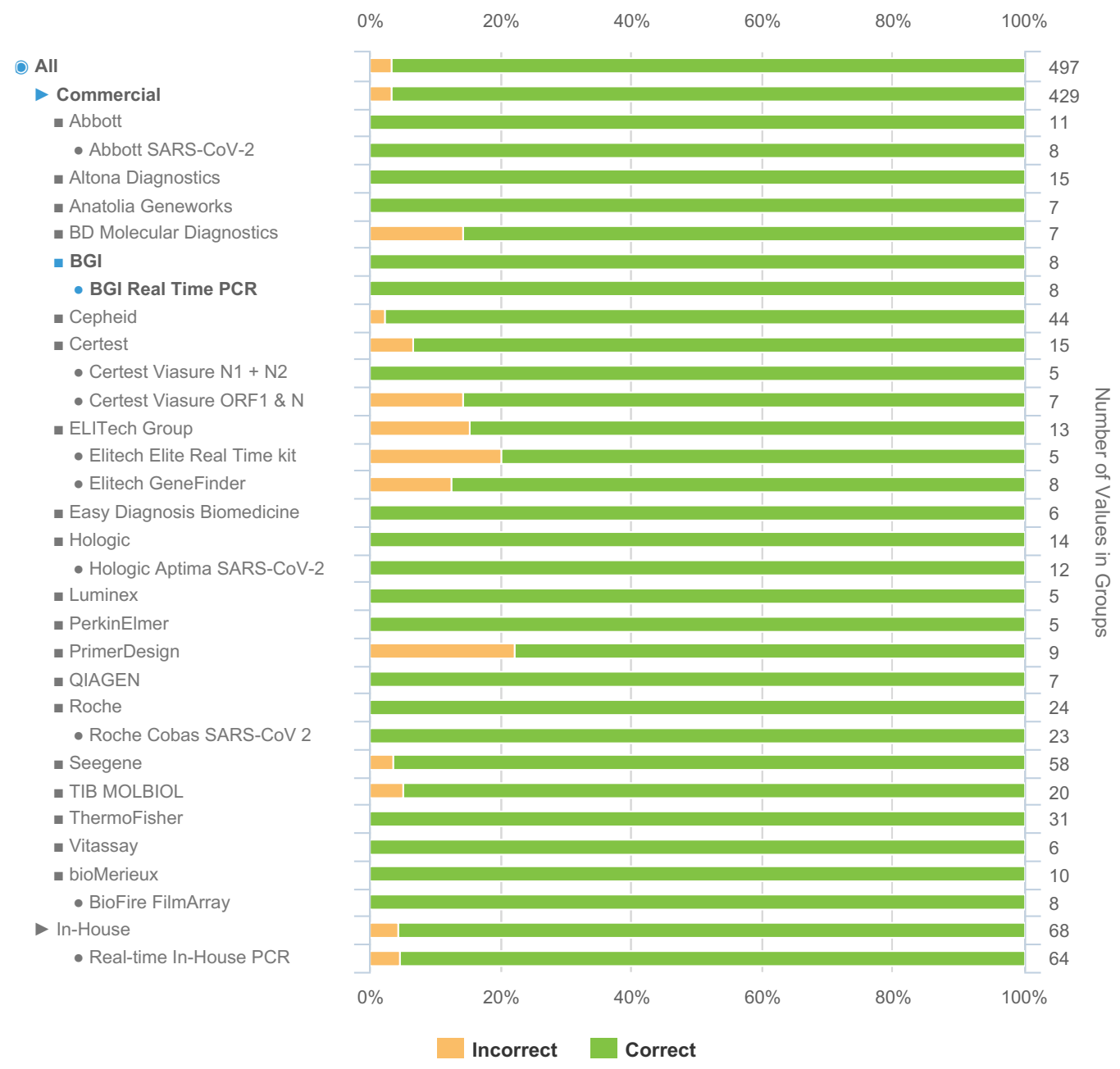
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**Groups below n=5:** AB Analytica (n=4), AB Analytica - AB Analytica REALQUALITY RQ (n=4), ABL (n=1), ABL - ABL UltraGene (n=1), AITbiotech (n=3), AITbiotech - AITbiotech abTES COVID-19 (n=3), Abbott - Abbott Alinity SARS-CoV-2 (n=3), Adaltis (n=2), Adaltis - Adaltis MOLgen SARS-CoV-2 (n=2), Amoy Diagnostics (n=1), Amoy Diagnostics - AmoyDx Novel Coronavirus (n=1), AmpliSens (n=1), AmpliSens - AmpliSens CoV-Bat\_FRT (n=1), Anchor Diagnostics (n=3), Anchor Diagnostics - Anchor Diagnostics SARS CoV-2 (n=3), Astra Biotech (n=2), Astra Biotech - Astra Biotech SARS-CoV-2 (n=2), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics SARS-CoV-2 (n=1), Bio-Rad (n=1), Bio-Rad - Bio-Rad SARS-CoV-2 (n=1), BioGX (n=1), BioGX - BioGX SARS-CoV-2 (n=1), Biocore Technologies (n=2), Biocore Technologies - Biocore SARS-CoV-2 (n=2), Bioeksen (n=1), Bioeksen - Bioeksen Biospeedy SARS-CoV-2 (n=1), Bioer Technologies (n=3), Bioer Technologies - Bioer SARS-CoV-2 (n=3), Bioline (n=1), Bioline - Bioline SensiFast (n=1), Bioneer (n=3), Bioneer - Bioneer Accupower SARS-CoV-2 (n=3), Bosch (n=1), Bosch - Bosch Vivalytic SARS-CoV-2 (n=1), CDC (n=2), CDC - CDC SARS-CoV-2 (n=2), Certest - Certest Viasure S (n=3), Chronomics (n=1), Chronomics - Chronomics COVID 19 (n=1), Clonit (n=4), Clonit - Clonit Real Time PCR (n=4), Co-Diagnostics Inc (n=2), Co-Diagnostics Inc - Co-Diagnostics Inc Logix Smart (n=2), Convergent Technologies (n=2), Convergent Technologies - Convergys COVID 19 (n=2), DAAN GENE (n=3), DAAN GENE - DAAN Gene Covid-19 (n=3), DNA-Technology Russia (n=1), DNA-Technology Russia - DNA-Technology Covid-19 (n=1), DS Bio Nano Technology (n=1), DS Bio Nano Technology - DS CORONEX COVID-19 (n=1), DiaSorin (n=2), DiaSorin - DiaSorin Simplexa (n=2), Diagenode (n=1), Diagenode - Diagenode Real-Time PCR (n=1), Diatech Pharmacogenetics (n=1), Diatech Pharmacogenetics - Diatech Easy SARS-CoV-2 (n=1), Diatheva (n=1), Diatheva - Diatheva COVID-19 (n=1), EUROIMMUN (n=2), EUROIMMUN - EURO RealTime SARS-CoV-2 (n=2), Elisabeth Pharmacon (n=1), Elisabeth Pharmacon - EliGene COVID19 CONFIRM RT (n=1), GeneFirst (n=1), GeneFirst - GeneFirst Covid-19 (n=1), GeneOne Diagnostics Corporation (n=1), GeneOne Diagnostics Corporation - GeneOne COVID-19 (n=1), Genematrix (n=1), Genematrix - Genematrix NeoPlex (n=1), Gold Standard Diagnostics (n=2), Gold Standard Diagnostics - GSD NovaPrime SARS-CoV-2 (n=2), Grifols (n=1), Grifols - Grifols Procleix SARS-CoV-2 (n=1), Guangdong Huayin Medicine Science (n=1), Guangdong Huayin Medicine Science - Guangdong Huayin Real Time PCR (n=1), Hain Lifescience (n=1), Hain Lifescience - Hain Lifescience SARS-CoV-2 plus (n=1), Hologic - Hologic Panther Fusion (n=2), HybriBio Limited (n=1), HybriBio Limited - HybriBio Real-Time PCR Kit (n=1), Imegen (n=2), Imegen - Imegen SARS-CoV-2 (n=2), Immundiagnostik (n=1), Immundiagnostik - Immundiagnostik MutaPLEX (n=1), Innocreate Bioscience (n=1), Innocreate Bioscience - Innocreate Bioscience SARS-CoV-2 (n=1), Kogene Biotech (n=2), Kogene Biotech - Kogene Powerchek (n=2), KrosGen (n=1), KrosGen - KrosGen KrosQuant SARS-CoV-2 (n=1), LiliF Diagnostic (n=1), LiliF Diagnostic - LiliF Diagnostic COVID-19 (n=1), Maccura Biotechnology (n=1), Maccura Biotechnology - Maccura SARS-CoV-2 (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Master Diagnostica - Master Diagnostica SARS-CoV-2 (n=2), Medicofarma (n=2), Medicofarma - Medicofarma MediPAN COVID SARS-CoV-2 (n=2), Mobidiag (n=3), Mobidiag - Mobidiag Amplidiag (n=1), Mobidiag - Mobidiag Novodiag (n=2), NZYTEch (n=1), NZYTEch - NZYTEch SARS-CoV-2 (n=1), PathoFinder (n=4), PathoFinder - PathoFinder RealAccurate SARS-CoV-2 (n=4), PentaBase (n=3), PentaBase - PentaBase CoviDetect (n=3), Procomcure Biotech (n=1), Procomcure Biotech - Procomcure Biotech PhoenixDx SARS-CoV-2 (n=1), QIAGEN - Qiagen NeuMoDx (n=4), QIAGEN - Qiagen QIAsat-Dx (n=2), QIAGEN - Qiagen Real Time PCR (n=1), R-Biopharm (n=1), R-Biopharm - R-Biopharm RIDA Gene (n=1), Roche - Roche LightCycler Multiplex RNA Virus (n=1), SD BioSensor (n=1), SD BioSensor - SD BioSensor SARS-CoV-2 (n=1), Sacace (n=3), Sacace - Sacace SARS-CoV-2 (n=3), Seasun Biomaterials (n=1), Seasun Biomaterials - Seasun Biomaterials U-Top Covid-19 (n=1), Sentebiolab (n=1), Sentebiolab - Sentebiolab Senteligo SARS-CoV-2 (n=1), Shanghai Focusgen (n=1), Shanghai Focusgen - Shanghai Focusgen Real-Time PCR (n=1), Shanghai Fosun Pharmaceutical (n=1), Shanghai Fosun Pharmaceutical - Shanghai Fosun Real Time PCR (n=1), Solis BioDyne (n=1), Solis BioDyne - Solis BioDyne SARS-CoV-2 (n=1), Ukrainian Genetic Technologies (n=1), Ukrainian Genetic Technologies - Ukrainian Genetic Technologies COVID-19 (n=1), Vazyme (n=1), Vazyme - Vazyme SARS-CoV-2 (n=1), Vector Best (n=2), Vector Best - Vector Best SARS-CoV-2 (n=2), Veredus laboratories (n=1), Veredus laboratories - Veredus SARS-CoV-2 (n=1), ViennaLab Diagnostics (n=1), ViennaLab Diagnostics - ViennaLab SARS-CoV-2 RealFast (n=1), Yourgene Health (n=1), Yourgene Health - Yourgene Health Clarigene SARS-CoV-2 (n=1), ZJ Bio-Tech (n=2), ZJ Bio-Tech - ZJ Bio-Tech RT PCR (n=2), Zybio (n=1), Zybio - Zybio SARS-CoV-2 (n=1), bioMerieux - bioMerieux R-gene SARS-CoV-2 (n=2), fast-track DIAGNOSTICS (n=4), fast-track DIAGNOSTICS - FTD real time PCR (n=4), In-House - Conventional In-House PCR (n=4)

**Groups Rolled Up:** Altona Diagnostics - Altona Diagnostics RealStar (n=15), Anatolia Geneworks - Anatolia Geneworks Bosphore nCoV (n=7), BD Molecular Diagnostics - BD SARS-CoV-2 (n=7), Cepheid - Cepheid Xpert SARS-CoV-2 (n=44), Easy Diagnosis Biomedicine - EasyDiagnosis SARS-CoV-2 (n=6), Luminex - Luminex ARIES (n=5), PerkinElmer - PerkinElmer SARS-CoV-2 Real Time PCR (n=5), PrimerDesign - PrimerDesign Genesis (n=9), Seegene - Seegene Allplex SARS-CoV-2 (n=58), TIB MOLBIOL - TIB MOLBIOL LightMix (n=20), ThermoFisher - ThermoFisher TaqPath COVID-19 (n=31), Vitassay - Vitassay SARS-CoV-2 (n=6)

**SCV2\_101S-07 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
SCV2_101S-07	SARS-CoV-2	Transport Medium	3.27 dPCR Log10 Copies/ml (D1, DS1_2)	Frequently Detected	CORE	96.6	497



# Individual Report

# QCMD 2020 SARS-CoV-2 EQA Programme



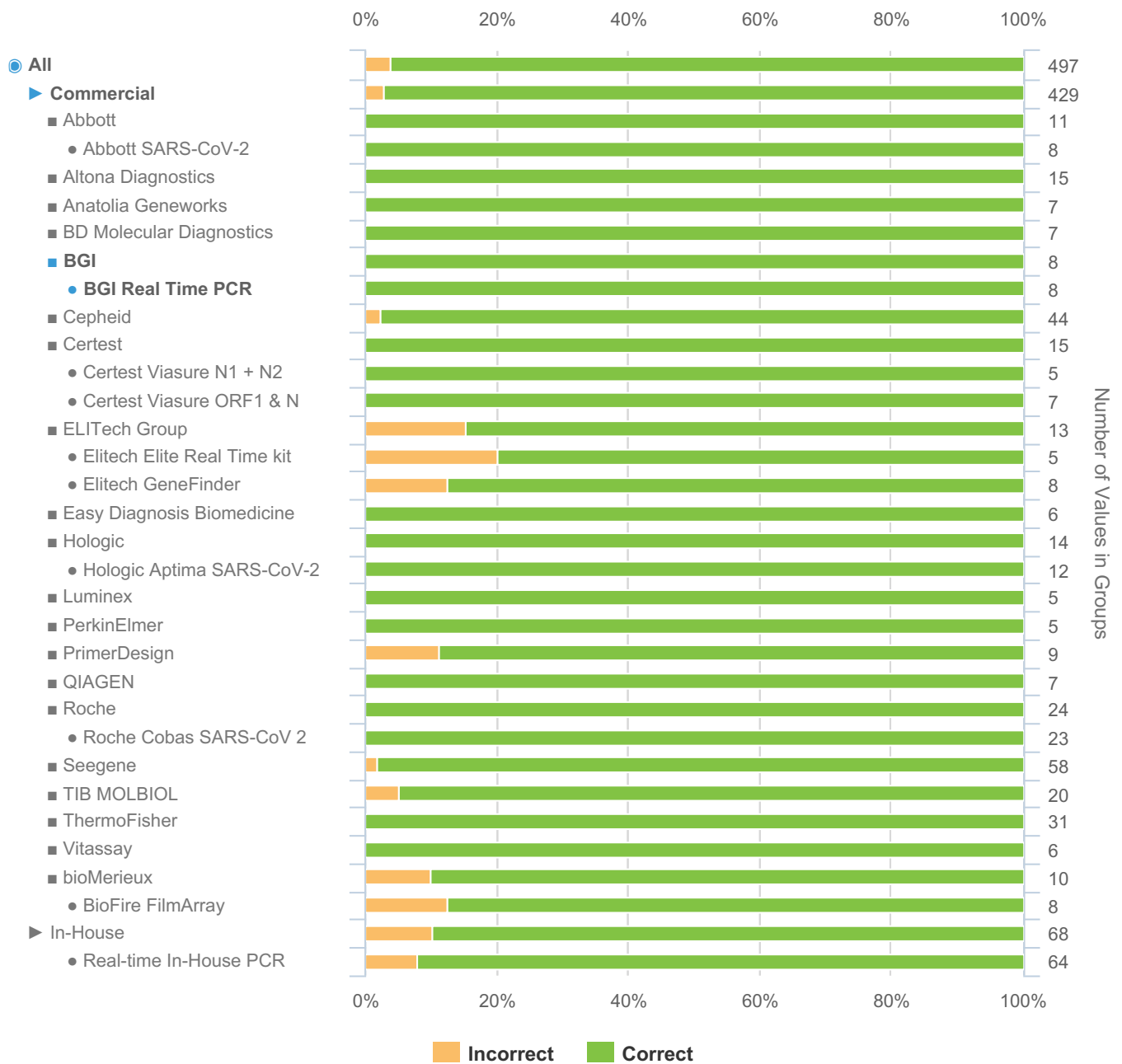
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**Groups below n=5:** AB Analytica (n=4), AB Analytica - AB Analytica REALQUALITY RQ (n=4), ABL (n=1), ABL - ABL UltraGene (n=1), AITbiotech (n=3), AITbiotech - AITbiotech abTES COVID-19 (n=3), Abbott - Abbott Alinity SARS-CoV-2 (n=3), Adaltis (n=2), Adaltis - Adaltis MOLgen SARS-CoV-2 (n=2), Amoy Diagnostics (n=1), Amoy Diagnostics - AmoyDx Novel Coronavirus (n=1), AmpliSens (n=1), AmpliSens - AmpliSens CoV-Bat\_FRT (n=1), Anchor Diagnostics (n=3), Anchor Diagnostics - Anchor Diagnostics SARS CoV-2 (n=3), Astra Biotech (n=2), Astra Biotech - Astra Biotech SARS-CoV-2 (n=2), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics SARS-CoV-2 (n=1), Bio-Rad (n=1), Bio-Rad - Bio-Rad SARS-CoV-2 (n=1), BioGX (n=1), BioGX - BioGX SARS-CoV-2 (n=1), Biocore Technologies (n=2), Biocore Technologies - Biocore SARS-CoV-2 (n=2), Bioeksen (n=1), Bioeksen - Bioeksen Biospeedy SARS-CoV-2 (n=1), Bioer Technologies (n=3), Bioer Technologies - Bioer SARS-CoV-2 (n=3), Bioline (n=1), Bioline - Bioline SensiFast (n=1), Bioneer (n=3), Bioneer - Bioneer Accupower SARS-CoV-2 (n=3), Bosch (n=1), Bosch - Bosch Vivalytic SARS-CoV-2 (n=1), CDC (n=2), CDC - CDC SARS-CoV-2 (n=2), Certest - Certest Viasure S (n=3), Chronomics (n=1), Chronomics - Chronomics COVID 19 (n=1), Clonit (n=4), Clonit - Clonit Real Time PCR (n=4), Co-Diagnostics Inc (n=2), Co-Diagnostics Inc - Co-Diagnostics Inc Logix Smart (n=2), Convergent Technologies (n=2), Convergent Technologies - Convergys COVID 19 (n=2), DAAN GENE (n=3), DAAN GENE - DAAN Gene Covid-19 (n=3), DNA-Technology Russia (n=1), DNA-Technology Russia - DNA-Technology Covid-19 (n=1), DS Bio Nano Technology (n=1), DS Bio Nano Technology - DS CORONEX COVID-19 (n=1), DiaSorin (n=2), DiaSorin - DiaSorin Simplexa (n=2), Diagenode (n=1), Diagenode - Diagenode Real-Time PCR (n=1), Diatech Pharmacogenetics (n=1), Diatech Pharmacogenetics - Diatech Easy SARS-CoV-2 (n=1), Diatheva (n=1), Diatheva - Diatheva COVID-19 (n=1), EUROIMMUN (n=2), EUROIMMUN - EURO RealTime SARS-CoV-2 (n=2), Elisabeth Pharmacon (n=1), Elisabeth Pharmacon - EliGene COVID19 CONFIRM RT (n=1), GeneFirst (n=1), GeneFirst - GeneFirst Covid-19 (n=1), GeneOne Diagnostics Corporation (n=1), GeneOne Diagnostics Corporation - GeneOne COVID-19 (n=1), Genematrix (n=1), Genematrix - Genematrix NeoPlex (n=1), Gold Standard Diagnostics (n=2), Gold Standard Diagnostics - GSD NovaPrime SARS-CoV-2 (n=2), Grifols (n=1), Grifols - Grifols Procleix SARS-CoV-2 (n=1), Guangdong Huayin Medicine Science (n=1), Guangdong Huayin Medicine Science - Guangdong Huayin Real Time PCR (n=1), Hain Lifescience (n=1), Hain Lifescience - Hain Lifescience SARS-CoV-2 plus (n=1), Hologic - Hologic Panther Fusion (n=2), HybriBio Limited (n=1), HybriBio Limited - HybriBio Real-Time PCR Kit (n=1), Imegen (n=2), Imegen - Imegen SARS-CoV-2 (n=2), Immundiagnostik (n=1), Immundiagnostik - Immundiagnostik MutaPLEX (n=1), Innocreate Bioscience (n=1), Innocreate Bioscience - Innocreate Bioscience SARS-CoV-2 (n=1), Kogene Biotech (n=2), Kogene Biotech - Kogene Powerchek (n=2), KrosGen (n=1), KrosGen - KrosGen KrosQuant SARS-CoV-2 (n=1), LiliF Diagnostic (n=1), LiliF Diagnostic - LiliF Diagnostic COVID-19 (n=1), Maccura Biotechnology (n=1), Maccura Biotechnology - Maccura SARS-CoV-2 (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Master Diagnostica - Master Diagnostica SARS-CoV-2 (n=2), Medicofarma (n=2), Medicofarma - Medicofarma MediPAN COVID SARS-CoV-2 (n=2), Mobidiag (n=3), Mobidiag - Mobidiag Amplidiag (n=1), Mobidiag - Mobidiag Novodiag (n=2), NZYTEch (n=1), NZYTEch - NZYTEch SARS-CoV-2 (n=1), PathoFinder (n=4), PathoFinder - PathoFinder RealAccurate SARS-CoV-2 (n=4), PentaBase (n=3), PentaBase - PentaBase CoviDetect (n=3), Procomcure Biotech (n=1), Procomcure Biotech - Procomcure Biotech PhoenixDx SARS-CoV-2 (n=1), QIAGEN - Qiagen NeuMoDx (n=4), QIAGEN - Qiagen QIAtat-Dx (n=2), QIAGEN - Qiagen Real Time PCR (n=1), R-Biopharm (n=1), R-Biopharm - R-Biopharm RIDA Gene (n=1), Roche - Roche LightCycler Multiplex RNA Virus (n=1), SD BioSensor (n=1), SD BioSensor - SD BioSensor SARS-CoV-2 (n=1), Sacace (n=3), Sacace - Sacace SARS-CoV-2 (n=3), Seasun Biomaterials (n=1), Seasun Biomaterials - Seasun Biomaterials U-Top Covid-19 (n=1), Sentebiolab (n=1), Sentebiolab - Sentebiolab Senteligo SARS-CoV-2 (n=1), Shanghai Focusgen (n=1), Shanghai Focusgen - Shanghai Focusgen Real-Time PCR (n=1), Shanghai Fosun Pharmaceutical (n=1), Shanghai Fosun Pharmaceutical - Shanghai Fosun Real Time PCR (n=1), Solis BioDyne (n=1), Solis BioDyne - Solis BioDyne SARS-CoV-2 (n=1), Ukrainian Genetic Technologies (n=1), Ukrainian Genetic Technologies - Ukrainian Genetic Technologies COVID-19 (n=1), Vazyme (n=1), Vazyme - Vazyme SARS-CoV-2 (n=1), Vector Best (n=2), Vector Best - Vector Best SARS-CoV-2 (n=2), Veredus laboratories (n=1), Veredus laboratories - Veredus SARS-CoV-2 (n=1), ViennaLab Diagnostics (n=1), ViennaLab Diagnostics - ViennaLab SARS-CoV-2 RealFast (n=1), Yourgene Health (n=1), Yourgene Health - Yourgene Health Clarigene SARS-CoV-2 (n=1), ZJ Bio-Tech (n=2), ZJ Bio-Tech - ZJ Bio-Tech RT PCR (n=2), Zybio (n=1), Zybio - Zybio SARS-CoV-2 (n=1), bioMerieux - bioMerieux R-gene SARS-CoV-2 (n=2), fast-track DIAGNOSTICS (n=4), fast-track DIAGNOSTICS - FTD real time PCR (n=4), In-House - Conventional In-House PCR (n=4)

**Groups Rolled Up:** Altona Diagnostics - Altona Diagnostics RealStar (n=15), Anatolia Geneworks - Anatolia Geneworks Bosphore nCoV (n=7), BD Molecular Diagnostics - BD SARS-CoV-2 (n=7), Cepheid - Cepheid Xpert SARS-CoV-2 (n=44), Easy Diagnosis Biomedicine - EasyDiagnosis SARS-CoV-2 (n=6), Luminex - Luminex ARIES (n=5), PerkinElmer - PerkinElmer SARS-CoV-2 Real Time PCR (n=5), PrimerDesign - PrimerDesign Genesis (n=9), Seegene - Seegene Allplex SARS-CoV-2 (n=58), TIB MOLBIOL - TIB MOLBIOL LightMix (n=20), ThermoFisher - ThermoFisher TaqPath COVID-19 (n=31), Vitassay - Vitassay SARS-CoV-2 (n=6)

**SCV2\_101S-08 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
SCV2_101S-08	SARS-CoV-2	Transport Medium	3.16 dPCR Log10 Copies/ml (D2, DS1_3)	Frequently Detected	CORE	96.2	497



# Individual Report

# QCMD 2020 SARS-CoV-2 EQA Programme



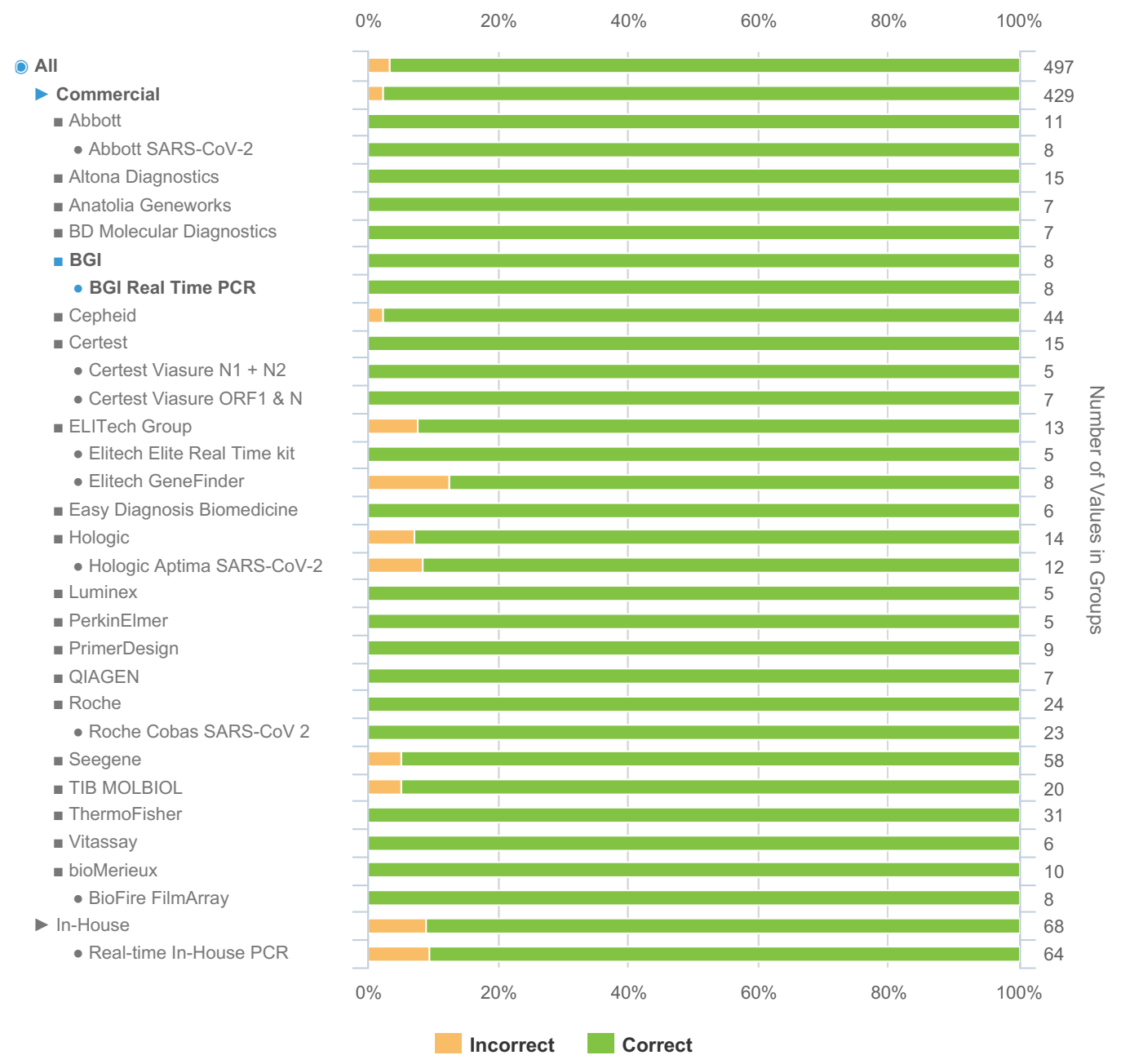
<b>Catalogue Code:</b> QAV204215	<b>Ref Code:</b> SCV2_20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative	<b>Dataset:</b> 399041	<b>Report UID:</b> 11738/399041/3134	<b>Laboratory:</b> ES136
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**Groups below n=5:** AB Analytica (n=4), AB Analytica - AB Analytica REALQUALITY RQ (n=4), ABL (n=1), ABL - ABL UltraGene (n=1), AITbiotech (n=3), AITbiotech - AITbiotech abTES COVID-19 (n=3), Abbott - Abbott Alinity SARS-CoV-2 (n=3), Adaltis (n=2), Adaltis - Adaltis MOLgen SARS-CoV-2 (n=2), Amoy Diagnostics (n=1), Amoy Diagnostics - AmoyDx Novel Coronavirus (n=1), AmpliSens (n=1), AmpliSens - AmpliSens CoV-Bat\_FRT (n=1), Anchor Diagnostics (n=3), Anchor Diagnostics - Anchor Diagnostics SARS CoV-2 (n=3), Astra Biotech (n=2), Astra Biotech - Astra Biotech SARS-CoV-2 (n=2), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics SARS-CoV-2 (n=1), Bio-Rad (n=1), Bio-Rad - Bio-Rad SARS-CoV-2 (n=1), BioGX (n=1), BioGX - BioGX SARS-CoV-2 (n=1), Biocore Technologies (n=2), Biocore Technologies - Biocore SARS-CoV-2 (n=2), Bioeksen (n=1), Bioeksen - Bioeksen Biospeedy SARS-CoV-2 (n=1), Bioer Technologies (n=3), Bioer Technologies - Bioer SARS-CoV-2 (n=3), Bioline (n=1), Bioline - Bioline SensiFast (n=1), Bioneer (n=3), Bioneer - Bioneer Accupower SARS-CoV-2 (n=3), Bosch (n=1), Bosch - Bosch Vivalytic SARS-CoV-2 (n=1), CDC (n=2), CDC - CDC SARS-CoV-2 (n=2), Certest - Certest Viasure S (n=3), Chronomics (n=1), Chronomics - Chronomics COVID 19 (n=1), Clonit (n=4), Clonit - Clonit Real Time PCR (n=4), Co-Diagnostics Inc (n=2), Co-Diagnostics Inc - Co-Diagnostics Inc Logix Smart (n=2), Convergent Technologies (n=2), Convergent Technologies - Convergys COVID 19 (n=2), DAAN GENE (n=3), DAAN GENE - DAAN Gene Covid-19 (n=3), DNA-Technology Russia (n=1), DNA-Technology Russia - DNA-Technology Covid-19 (n=1), DS Bio Nano Technology (n=1), DS Bio Nano Technology - DS CORONEX COVID-19 (n=1), DiaSorin (n=2), DiaSorin - DiaSorin Simplexa (n=2), Diagenode (n=1), Diagenode - Diagenode Real-Time PCR (n=1), Diatech Pharmacogenetics (n=1), Diatech Pharmacogenetics - Diatech Easy SARS-CoV-2 (n=1), Diatheva (n=1), Diatheva - Diatheva COVID-19 (n=1), EUROIMMUN (n=2), EUROIMMUN - EURO RealTime SARS-CoV-2 (n=2), Elisabeth Pharmacon (n=1), Elisabeth Pharmacon - EliGene COVID19 CONFIRM RT (n=1), GeneFirst (n=1), GeneFirst - GeneFirst Covid-19 (n=1), GeneOne Diagnostics Corporation (n=1), GeneOne Diagnostics Corporation - GeneOne COVID-19 (n=1), Genematrix (n=1), Genematrix - Genematrix NeoPlex (n=1), Gold Standard Diagnostics (n=2), Gold Standard Diagnostics - GSD NovaPrime SARS-CoV-2 (n=2), Grifols (n=1), Grifols - Grifols Procleix SARS-CoV-2 (n=1), Guangdong Huayin Medicine Science (n=1), Guangdong Huayin Medicine Science - Guangdong Huayin Real Time PCR (n=1), Hain Lifescience (n=1), Hain Lifescience - Hain Lifescience SARS-CoV-2 plus (n=1), Hologic - Hologic Panther Fusion (n=2), HybriBio Limited (n=1), HybriBio Limited - HybriBio Real-Time PCR Kit (n=1), Imegen (n=2), Imegen - Imegen SARS-CoV-2 (n=2), Immundiagnostik (n=1), Immundiagnostik - Immundiagnostik MutaPLEX (n=1), Innocreate Bioscience (n=1), Innocreate Bioscience - Innocreate Bioscience SARS-CoV-2 (n=1), Kogene Biotech (n=2), Kogene Biotech - Kogene Powerchek (n=2), KrosGen (n=1), KrosGen - KrosGen KrosQuant SARS-CoV-2 (n=1), LiliF Diagnostic (n=1), LiliF Diagnostic - LiliF Diagnostic COVID-19 (n=1), Maccura Biotechnology (n=1), Maccura Biotechnology - Maccura SARS-CoV-2 (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Master Diagnostica - Master Diagnostica SARS-CoV-2 (n=2), Medicofarma (n=2), Medicofarma - Medicofarma MediPAN COVID SARS-CoV-2 (n=2), Mobidiag (n=3), Mobidiag - Mobidiag Amplidiag (n=1), Mobidiag - Mobidiag Novodiag (n=2), NZYTEch (n=1), NZYTEch - NZYTEch SARS-CoV-2 (n=1), PathoFinder (n=4), PathoFinder - PathoFinder RealAccurate SARS-CoV-2 (n=4), PentaBase (n=3), PentaBase - PentaBase CoviDetect (n=3), Procomcure Biotech (n=1), Procomcure Biotech - Procomcure Biotech PhoenixDx SARS-CoV-2 (n=1), QIAGEN - Qiagen NeuMoDx (n=4), QIAGEN - Qiagen QIAtat-Dx (n=2), QIAGEN - Qiagen Real Time PCR (n=1), R-Biopharm (n=1), R-Biopharm - R-Biopharm RIDA Gene (n=1), Roche - Roche LightCycler Multiplex RNA Virus (n=1), SD BioSensor (n=1), SD BioSensor - SD BioSensor SARS-CoV-2 (n=1), Sacace (n=3), Sacace - Sacace SARS-CoV-2 (n=3), Seasun Biomaterials (n=1), Seasun Biomaterials - Seasun Biomaterials U-Top Covid-19 (n=1), Sentebiolab (n=1), Sentebiolab - Sentebiolab Senteligo SARS-CoV-2 (n=1), Shanghai Focusgen (n=1), Shanghai Focusgen - Shanghai Focusgen Real-Time PCR (n=1), Shanghai Fosun Pharmaceutical (n=1), Shanghai Fosun Pharmaceutical - Shanghai Fosun Real Time PCR (n=1), Solis BioDyne (n=1), Solis BioDyne - Solis BioDyne SARS-CoV-2 (n=1), Ukrainian Genetic Technologies (n=1), Ukrainian Genetic Technologies - Ukrainian Genetic Technologies COVID-19 (n=1), Vazyme (n=1), Vazyme - Vazyme SARS-CoV-2 (n=1), Vector Best (n=2), Vector Best - Vector Best SARS-CoV-2 (n=2), Veredus laboratories (n=1), Veredus laboratories - Veredus SARS-CoV-2 (n=1), ViennaLab Diagnostics (n=1), ViennaLab Diagnostics - ViennaLab SARS-CoV-2 RealFast (n=1), Yourgene Health (n=1), Yourgene Health - Yourgene Health Clarigene SARS-CoV-2 (n=1), ZJ Bio-Tech (n=2), ZJ Bio-Tech - ZJ Bio-Tech RT PCR (n=2), Zybio (n=1), Zybio - Zybio SARS-CoV-2 (n=1), bioMerieux - bioMerieux R-gene SARS-CoV-2 (n=2), fast-track DIAGNOSTICS (n=4), fast-track DIAGNOSTICS - FTD real time PCR (n=4), In-House - Conventional In-House PCR (n=4)

**Groups Rolled Up:** Altona Diagnostics - Altona Diagnostics RealStar (n=15), Anatolia Geneworks - Anatolia Geneworks Bosphore nCoV (n=7), BD Molecular Diagnostics - BD SARS-CoV-2 (n=7), Cepheid - Cepheid Xpert SARS-CoV-2 (n=44), Easy Diagnosis Biomedicine - EasyDiagnosis SARS-CoV-2 (n=6), Luminex - Luminex ARIES (n=5), PerkinElmer - PerkinElmer SARS-CoV-2 Real Time PCR (n=5), PrimerDesign - PrimerDesign Genesis (n=9), Seegene - Seegene Allplex SARS-CoV-2 (n=58), TIB MOLBIOL - TIB MOLBIOL LightMix (n=20), ThermoFisher - ThermoFisher TaqPath COVID-19 (n=31), Vitassay - Vitassay SARS-CoV-2 (n=6)

**SCV2\_101S-09 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
SCV2_101S-09	Coronavirus Negative	Transport Medium		Negative	CORE	96.8	497





# Individual Report

# QCMD 2020 SARS-CoV-2 EQA Programme



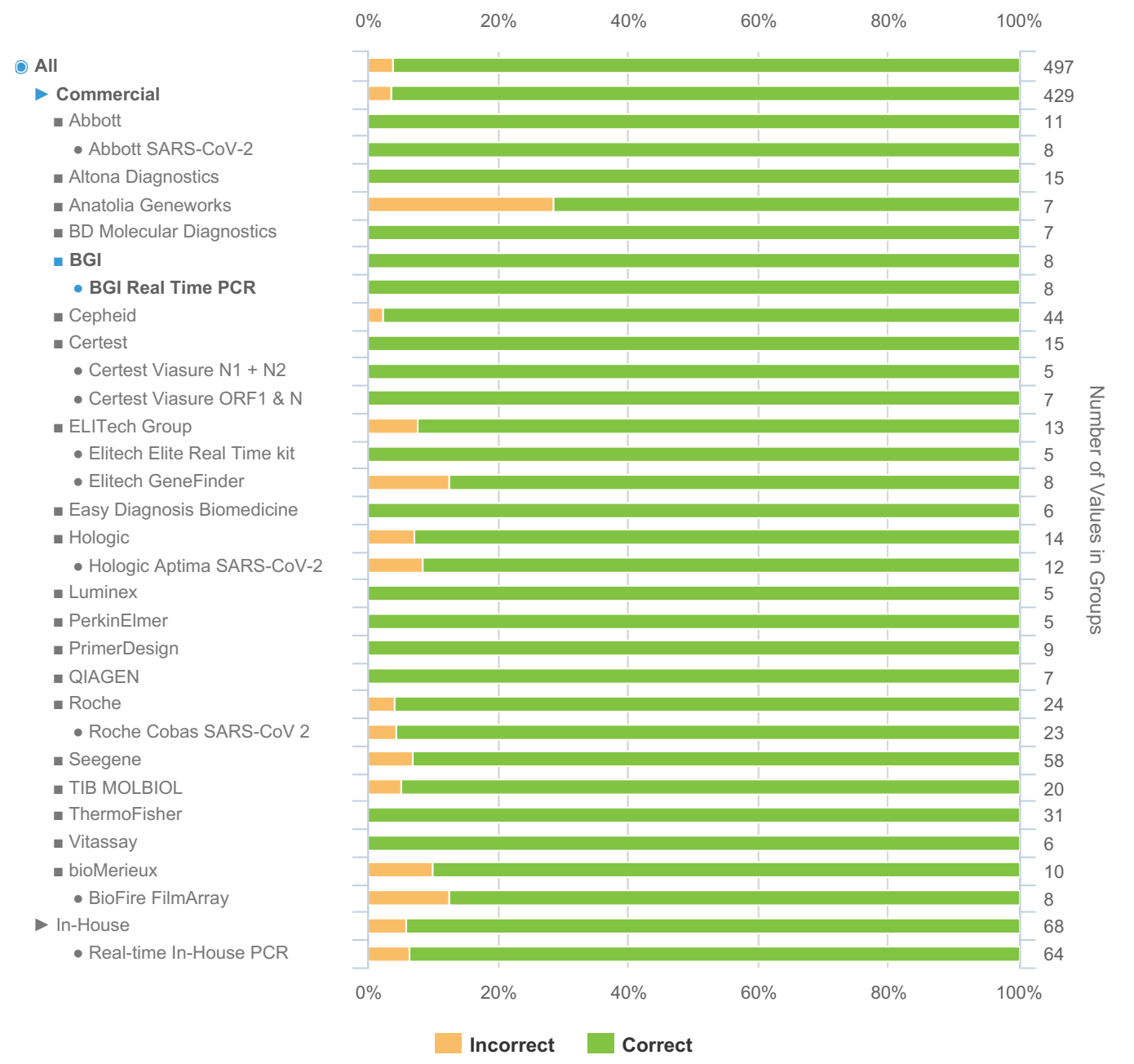
<b>Catalogue Code:</b> QAV204215	<b>Ref Code:</b> SCV2_20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative	<b>Dataset:</b> 399041	<b>Report UID:</b> 11738/399041/3134	<b>Laboratory:</b> ES136
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**Groups below n=5:** AB Analytica (n=4), AB Analytica - AB Analytica REALQUALITY RQ (n=4), ABL (n=1), ABL - ABL UltraGene (n=1), AITbiotech (n=3), AITbiotech - AITbiotech abTES COVID-19 (n=3), Abbott - Abbott Alinity SARS-CoV-2 (n=3), Adaltis (n=2), Adaltis - Adaltis MOLgen SARS-CoV-2 (n=2), Amoy Diagnostics (n=1), Amoy Diagnostics - AmoyDx Novel Coronavirus (n=1), AmpliSens (n=1), AmpliSens - AmpliSens CoV-Bat\_FRT (n=1), Anchor Diagnostics (n=3), Anchor Diagnostics - Anchor Diagnostics SARS CoV-2 (n=3), Astra Biotech (n=2), Astra Biotech - Astra Biotech SARS-CoV-2 (n=2), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics SARS-CoV-2 (n=1), Bio-Rad (n=1), Bio-Rad - Bio-Rad SARS-CoV-2 (n=1), BioGX (n=1), BioGX - BioGX SARS-CoV-2 (n=1), Biocore Technologies (n=2), Biocore Technologies - Biocore SARS-CoV-2 (n=2), Bioeksen (n=1), Bioeksen - Bioeksen Biospeedy SARS-CoV-2 (n=1), Bioer Technologies (n=3), Bioer Technologies - Bioer SARS-CoV-2 (n=3), Bioline (n=1), Bioline - Bioline SensiFast (n=1), Bioneer (n=3), Bioneer - Bioneer Accupower SARS-CoV-2 (n=3), Bosch (n=1), Bosch - Bosch Vivalytic SARS-CoV-2 (n=1), CDC (n=2), CDC - CDC SARS-CoV-2 (n=2), Certest - Certest Viasure S (n=3), Chronomics (n=1), Chronomics - Chronomics COVID 19 (n=1), Clonit (n=4), Clonit - Clonit Real Time PCR (n=4), Co-Diagnostics Inc (n=2), Co-Diagnostics Inc - Co-Diagnostics Inc Logix Smart (n=2), Convergent Technologies (n=2), Convergent Technologies - Convergys COVID 19 (n=2), DAAN GENE (n=3), DAAN GENE - DAAN Gene Covid-19 (n=3), DNA-Technology Russia (n=1), DNA-Technology Russia - DNA-Technology Covid-19 (n=1), DS Bio Nano Technology (n=1), DS Bio Nano Technology - DS CORONEX COVID-19 (n=1), DiaSorin (n=2), DiaSorin - DiaSorin Simplexa (n=2), Diagenode (n=1), Diagenode - Diagenode Real-Time PCR (n=1), Diatech Pharmacogenetics (n=1), Diatech Pharmacogenetics - Diatech Easy SARS-CoV-2 (n=1), Diatheva (n=1), Diatheva - Diatheva COVID-19 (n=1), EUROIMMUN (n=2), EUROIMMUN - EURO RealTime SARS-CoV-2 (n=2), Elisabeth Pharmacon (n=1), Elisabeth Pharmacon - EliGene COVID19 CONFIRM RT (n=1), GeneFirst (n=1), GeneFirst - GeneFirst Covid-19 (n=1), GeneOne Diagnostics Corporation (n=1), GeneOne Diagnostics Corporation - GeneOne COVID-19 (n=1), Genematrix (n=1), Genematrix - Genematrix NeoPlex (n=1), Gold Standard Diagnostics (n=2), Gold Standard Diagnostics - GSD NovaPrime SARS-CoV-2 (n=2), Grifols (n=1), Grifols - Grifols Procleix SARS-CoV-2 (n=1), Guangdong Huayin Medicine Science (n=1), Guangdong Huayin Medicine Science - Guangdong Huayin Real Time PCR (n=1), Hain Lifescience (n=1), Hain Lifescience - Hain Lifescience SARS-CoV-2 plus (n=1), Hologic - Hologic Panther Fusion (n=2), HybriBio Limited (n=1), HybriBio Limited - HybriBio Real-Time PCR Kit (n=1), Imegen (n=2), Imegen - Imegen SARS-CoV-2 (n=2), Immundiagnostik (n=1), Immundiagnostik - Immundiagnostik MutaPLEX (n=1), Innocreate Bioscience (n=1), Innocreate Bioscience - Innocreate Bioscience SARS-CoV-2 (n=1), Kogene Biotech (n=2), Kogene Biotech - Kogene Powerchek (n=2), KrosGen (n=1), KrosGen - KrosGen KrosQuant SARS-CoV-2 (n=1), LiliF Diagnostic (n=1), LiliF Diagnostic - LiliF Diagnostic COVID-19 (n=1), Maccura Biotechnology (n=1), Maccura Biotechnology - Maccura SARS-CoV-2 (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Master Diagnostica - Master Diagnostica SARS-CoV-2 (n=2), Medicofarma (n=2), Medicofarma - Medicofarma MediPAN COVID SARS-CoV-2 (n=2), Mobidiag (n=3), Mobidiag - Mobidiag Amplidiag (n=1), Mobidiag - Mobidiag Novodiag (n=2), NZYTEch (n=1), NZYTEch - NZYTEch SARS-CoV-2 (n=1), PathoFinder (n=4), PathoFinder - PathoFinder RealAccurate SARS-CoV-2 (n=4), PentaBase (n=3), PentaBase - PentaBase CoviDetect (n=3), Procomcure Biotech (n=1), Procomcure Biotech - Procomcure Biotech PhoenixDx SARS-CoV-2 (n=1), QIAGEN - Qiagen NeuMoDx (n=4), QIAGEN - Qiagen QIStat-Dx (n=2), QIAGEN - Qiagen Real Time PCR (n=1), R-Biopharm (n=1), R-Biopharm - R-Biopharm RIDA Gene (n=1), Roche - Roche LightCycler Multiplex RNA Virus (n=1), SD BioSensor (n=1), SD BioSensor - SD BioSensor SARS-CoV-2 (n=1), Sacace (n=3), Sacace - Sacace SARS-CoV-2 (n=3), Seasun Biomaterials (n=1), Seasun Biomaterials - Seasun Biomaterials U-Top Covid-19 (n=1), Sentebiolab (n=1), Sentebiolab - Sentebiolab Senteligo SARS-CoV-2 (n=1), Shanghai Focusgen (n=1), Shanghai Focusgen - Shanghai Focusgen Real-Time PCR (n=1), Shanghai Fosun Pharmaceutical (n=1), Shanghai Fosun Pharmaceutical - Shanghai Fosun Real Time PCR (n=1), Solis BioDyne (n=1), Solis BioDyne - Solis BioDyne SARS-CoV-2 (n=1), Ukrainian Genetic Technologies (n=1), Ukrainian Genetic Technologies - Ukrainian Genetic Technologies COVID-19 (n=1), Vazyme (n=1), Vazyme - Vazyme SARS-CoV-2 (n=1), Vector Best (n=2), Vector Best - Vector Best SARS-CoV-2 (n=2), Veredus laboratories (n=1), Veredus laboratories - Veredus SARS-CoV-2 (n=1), ViennaLab Diagnostics (n=1), ViennaLab Diagnostics - ViennaLab SARS-CoV-2 RealFast (n=1), Yourgene Health (n=1), Yourgene Health - Yourgene Health Clarigene SARS-CoV-2 (n=1), ZJ Bio-Tech (n=2), ZJ Bio-Tech - ZJ Bio-Tech RT PCR (n=2), Zybio (n=1), Zybio - Zybio SARS-CoV-2 (n=1), bioMerieux - bioMerieux R-gene SARS-CoV-2 (n=2), fast-track DIAGNOSTICS (n=4), fast-track DIAGNOSTICS - FTD real time PCR (n=4), In-House - Conventional In-House PCR (n=4)

**Groups Rolled Up:** Altona Diagnostics - Altona Diagnostics RealStar (n=15), Anatolia Geneworks - Anatolia Geneworks Bosphore nCoV (n=7), BD Molecular Diagnostics - BD SARS-CoV-2 (n=7), Cepheid - Cepheid Xpert SARS-CoV-2 (n=44), Easy Diagnosis Biomedicine - EasyDiagnosis SARS-CoV-2 (n=6), Luminex - Luminex ARIES (n=5), PerkinElmer - PerkinElmer SARS-CoV-2 Real Time PCR (n=5), PrimerDesign - PrimerDesign Genesis (n=9), Seegene - Seegene Allplex SARS-CoV-2 (n=58), TIB MOLBIOL - TIB MOLBIOL LightMix (n=20), ThermoFisher - ThermoFisher TaqPath COVID-19 (n=31), Vitassay - Vitassay SARS-CoV-2 (n=6)

**SCV2\_101S-10 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
SCV2_101S-10	Coronavirus OC43	Transport Medium	4.0 dPCR Log10 Copies/ml	Negative	CORE	96.2	497



# Individual Report


# QCMD 2020 SARS-CoV-2 EQA Programme



<b>Catalogue Code:</b> QAV204215	<b>Ref Code:</b> SCV2_20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative	<b>Dataset:</b> 399041	<b>Report UID:</b> 11738/399041/3134	<b>Laboratory:</b> ES136
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**Groups below n=5:** AB Analytica (n=4), AB Analytica - AB Analytica REALQUALITY RQ (n=4), ABL (n=1), ABL - ABL UltraGene (n=1), AITbiotech (n=3), AITbiotech - AITbiotech abTES COVID-19 (n=3), Abbott - Abbott Alinity SARS-CoV-2 (n=3), Adaltis (n=2), Adaltis - Adaltis MOLgen SARS-CoV-2 (n=2), Amoy Diagnostics (n=1), Amoy Diagnostics - AmoyDx Novel Coronavirus (n=1), AmpliSens (n=1), AmpliSens - AmpliSens CoV-Bat\_FRT (n=1), Anchor Diagnostics (n=3), Anchor Diagnostics - Anchor Diagnostics SARS CoV-2 (n=3), Astra Biotech (n=2), Astra Biotech - Astra Biotech SARS-CoV-2 (n=2), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics SARS-CoV-2 (n=1), Bio-Rad (n=1), Bio-Rad - Bio-Rad SARS-CoV-2 (n=1), BioGX (n=1), BioGX - BioGX SARS-CoV-2 (n=1), Biocore Technologies (n=2), Biocore Technologies - Biocore SARS-CoV-2 (n=2), Bioeksen (n=1), Bioeksen - Bioeksen Biospeedy SARS-CoV-2 (n=1), Bioer Technologies (n=3), Bioer Technologies - Bioer SARS-CoV-2 (n=3), Bioline (n=1), Bioline - Bioline SensiFast (n=1), Bioneer (n=3), Bioneer - Bioneer Accupower SARS-CoV-2 (n=3), Bosch (n=1), Bosch - Bosch Vivalytic SARS-CoV-2 (n=1), CDC (n=2), CDC - CDC SARS-CoV-2 (n=2), Certest - Certest Viasure S (n=3), Chronomics (n=1), Chronomics - Chronomics COVID 19 (n=1), Clonit (n=4), Clonit - Clonit Real Time PCR (n=4), Co-Diagnostics Inc (n=2), Co-Diagnostics Inc - Co-Diagnostics Inc Logix Smart (n=2), Convergent Technologies (n=2), Convergent Technologies - Convergys COVID 19 (n=2), DAAN GENE (n=3), DAAN GENE - DAAN Gene Covid-19 (n=3), DNA-Technology Russia (n=1), DNA-Technology Russia - DNA-Technology Covid-19 (n=1), DS Bio Nano Technology (n=1), DS Bio Nano Technology - DS CORONEX COVID-19 (n=1), DiaSorin (n=2), DiaSorin - DiaSorin Simplexa (n=2), Diagenode (n=1), Diagenode - Diagenode Real-Time PCR (n=1), Diatech Pharmacogenetics (n=1), Diatech Pharmacogenetics - Diatech Easy SARS-CoV-2 (n=1), Diatheva (n=1), Diatheva - Diatheva COVID-19 (n=1), EUROIMMUN (n=2), EUROIMMUN - EURO RealTime SARS-CoV-2 (n=2), Elisabeth Pharmacon (n=1), Elisabeth Pharmacon - EliGene COVID19 CONFIRM RT (n=1), GeneFirst (n=1), GeneFirst - GeneFirst Covid-19 (n=1), GeneOne Diagnostics Corporation (n=1), GeneOne Diagnostics Corporation - GeneOne COVID-19 (n=1), Genematrix (n=1), Genematrix - Genematrix NeoPlex (n=1), Gold Standard Diagnostics (n=2), Gold Standard Diagnostics - GSD NovaPrime SARS-CoV-2 (n=2), Grifols (n=1), Grifols - Grifols Procleix SARS-CoV-2 (n=1), Guangdong Huayin Medicine Science (n=1), Guangdong Huayin Medicine Science - Guangdong Huayin Real Time PCR (n=1), Hain Lifescience (n=1), Hain Lifescience - Hain Lifescience SARS-CoV-2 plus (n=1), Hologic - Hologic Panther Fusion (n=2), HybriBio Limited (n=1), HybriBio Limited - HybriBio Real-Time PCR Kit (n=1), Imegen (n=2), Imegen - Imegen SARS-CoV-2 (n=2), Immundiagnostik (n=1), Immundiagnostik - Immundiagnostik MutaPLEX (n=1), Innocreate Bioscience (n=1), Innocreate Bioscience - Innocreate Bioscience SARS-CoV-2 (n=1), Kogene Biotech (n=2), Kogene Biotech - Kogene Powerchek (n=2), KrosGen (n=1), KrosGen - KrosGen KrosQuant SARS-CoV-2 (n=1), LiliF Diagnostic (n=1), LiliF Diagnostic - LiliF Diagnostic COVID-19 (n=1), Maccura Biotechnology (n=1), Maccura Biotechnology - Maccura SARS-CoV-2 (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Master Diagnostica - Master Diagnostica SARS-CoV-2 (n=2), Medicofarma (n=2), Medicofarma - Medicofarma MediPAN COVID SARS-CoV-2 (n=2), Mobidiag (n=3), Mobidiag - Mobidiag Amplidiag (n=1), Mobidiag - Mobidiag Novodiag (n=2), NZYTEch (n=1), NZYTEch - NZYTEch SARS-CoV-2 (n=1), PathoFinder (n=4), PathoFinder - PathoFinder RealAccurate SARS-CoV-2 (n=4), PentaBase (n=3), PentaBase - PentaBase CoviDetect (n=3), Procomcure Biotech (n=1), Procomcure Biotech - Procomcure Biotech PhoenixDx SARS-CoV-2 (n=1), QIAGEN - Qiagen NeuMoDx (n=4), QIAGEN - Qiagen QIAsat-Dx (n=2), QIAGEN - Qiagen Real Time PCR (n=1), R-Biopharm (n=1), R-Biopharm - R-Biopharm RIDA Gene (n=1), Roche - Roche LightCycler Multiplex RNA Virus (n=1), SD BioSensor (n=1), SD BioSensor - SD BioSensor SARS-CoV-2 (n=1), Sacace (n=3), Sacace - Sacace SARS-CoV-2 (n=3), Seasun Biomaterials (n=1), Seasun Biomaterials - Seasun Biomaterials U-Top Covid-19 (n=1), Sentebiolab (n=1), Sentebiolab - Sentebiolab Senteligo SARS-CoV-2 (n=1), Shanghai Focusgen (n=1), Shanghai Focusgen - Shanghai Focusgen Real-Time PCR (n=1), Shanghai Fosun Pharmaceutical (n=1), Shanghai Fosun Pharmaceutical - Shanghai Fosun Real Time PCR (n=1), Solis BioDyne (n=1), Solis BioDyne - Solis BioDyne SARS-CoV-2 (n=1), Ukrainian Genetic Technologies (n=1), Ukrainian Genetic Technologies - Ukrainian Genetic Technologies COVID-19 (n=1), Vazyme (n=1), Vazyme - Vazyme SARS-CoV-2 (n=1), Vector Best (n=2), Vector Best - Vector Best SARS-CoV-2 (n=2), Veredus laboratories (n=1), Veredus laboratories - Veredus SARS-CoV-2 (n=1), ViennaLab Diagnostics (n=1), ViennaLab Diagnostics - ViennaLab SARS-CoV-2 RealFast (n=1), Yourgene Health (n=1), Yourgene Health - Yourgene Health Clarigene SARS-CoV-2 (n=1), ZJ Bio-Tech (n=2), ZJ Bio-Tech - ZJ Bio-Tech RT PCR (n=2), Zybio (n=1), Zybio - Zybio SARS-CoV-2 (n=1), bioMerieux - bioMerieux R-gene SARS-CoV-2 (n=2), fast-track DIAGNOSTICS (n=4), fast-track DIAGNOSTICS - FTD real time PCR (n=4), In-House - Conventional In-House PCR (n=4)

**Groups Rolled Up:** Altona Diagnostics - Altona Diagnostics RealStar (n=15), Anatolia Geneworks - Anatolia Geneworks Bosphore nCoV (n=7), BD Molecular Diagnostics - BD SARS-CoV-2 (n=7), Cepheid - Cepheid Xpert SARS-CoV-2 (n=44), Easy Diagnosis Biomedicine - EasyDiagnosis SARS-CoV-2 (n=6), Luminex - Luminex ARIES (n=5), PerkinElmer - PerkinElmer SARS-CoV-2 Real Time PCR (n=5), PrimerDesign - PrimerDesign Genesis (n=9), Seegene - Seegene Allplex SARS-CoV-2 (n=58), TIB MOLBIOL - TIB MOLBIOL LightMix (n=20), ThermoFisher - ThermoFisher TaqPath COVID-19 (n=31), Vitassay - Vitassay SARS-CoV-2 (n=6)

<b>Individual Report</b>		<b>QCMD 2020 SARS-CoV-2 EQA Programme</b>			 <small>Quality Control for Molecular Diagnostics</small>	
<b>Catalogue Code:</b> QAV204215	<b>Ref Code:</b> SCV2_20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative	<b>Dataset:</b> 399041	<b>Report UID:</b> 11738/399041/3134	<b>Laboratory</b> ES136

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# Individual Report


# QCMD 2020 SARS-CoV-2 EQA Programme



<b>Catalogue Code:</b> QAV204215	<b>Ref Code:</b> SCV2_20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative	<b>Dataset:</b> 399073	<b>Report UID:</b> 11738/399073/3134	<b>Laboratory:</b> ES136
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## 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)
SCV2_101S-01	SARS-CoV-2	Transport Medium	3.16 dPCR Log10 Copies/ml (D2, DS1_3)	Frequently Detected	CORE	96.0	497
SCV2_101S-02	Coronavirus 229E	Transport Medium	3.93 dPCR Log10 Copies/ml	Negative	CORE	97.0	497
SCV2_101S-03	SARS-CoV-2	Transport Medium	2.48 dPCR Log10 Copies/ml (D3, DS1_4)	Detected	CORE	90.3	497
SCV2_101S-04	SARS-CoV-2	Transport Medium	4.29 dPCR Log10 Copies/ml (DS1_1)	Frequently Detected	CORE	98.8	497
SCV2_101S-05	SARS-CoV-2	Transport Medium	3.27 dPCR Log10 Copies/ml (D1, DS1_2)	Frequently Detected	CORE	97.4	497
SCV2_101S-06	SARS-CoV-2	Transport Medium	2.48 dPCR Log10 Copies/ml (D3, DS1_4)	Detected	CORE	89.3	497
SCV2_101S-07	SARS-CoV-2	Transport Medium	3.27 dPCR Log10 Copies/ml (D1, DS1_2)	Frequently Detected	CORE	96.6	497
SCV2_101S-08	SARS-CoV-2	Transport Medium	3.16 dPCR Log10 Copies/ml (D2, DS1_3)	Frequently Detected	CORE	96.2	497
SCV2_101S-09	Coronavirus Negative	Transport Medium		Negative	CORE	96.8	497
SCV2_101S-10	Coronavirus OC43	Transport Medium	4.0 dPCR Log10 Copies/ml	Negative	CORE	96.2	497

<b>Individual Report</b>		<b>QCMD 2020 SARS-CoV-2 EQA Programme</b>			 <small>Quality Control for Molecular Diagnostics</small>	
<b>Catalogue Code:</b> QAV204215	<b>Ref Code:</b> SCV2_20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative	<b>Dataset:</b> 399073	<b>Report UID:</b> 11738/399073/3134	<b>Laboratory</b> ES136

[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.*

[1] **Sample Relationships:** Includes dPCR Log10 Copies/ml, the value obtained using a digital droplet PCR assay (modified from Eurosurveillance Jan 2020 Corman et al).

**Please note:** The values provided are for reference only. The values obtained by individual participating laboratories will vary from the dPCR values provided. This is because quantitation is dependent on the molecular workflow each laboratory uses (i.e. nucleic acid extraction and molecular platform / assay) as well as the standards or reference material used to calibrate the molecular workflow. In the absence of an International Standard or Certified Reference Material (CRM), QCMD uses Internal Reference Materials (IRMs) with values established using a dPCR reference assay in order to support the consistency and traceability of the EQA materials. This also helps aid the comparison of results across laboratories.

## Your Summary Results

<b>EQA Assessment Group</b> <sup>[1]</sup>	Commercial
<b>Core Panel Detection (Qualitative) Score</b> <sup>[2]</sup>	0

<b>Catalogue Code:</b> QAV204215	<b>Ref Code:</b> SCV2_20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative	<b>Dataset:</b> 399073	<b>Report UID:</b> 11738/399073/3134	<b>Laboratory:</b> ES136
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**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
SCV2_101S-01	96.0	Positive	0		N/A	32.0
SCV2_101S-02	97.0	Negative	0		N/A	-
SCV2_101S-03	90.3	Positive	0		N/A	32.0
SCV2_101S-04	98.8	Positive	0		N/A	27.0
SCV2_101S-05	97.4	Positive	0		N/A	31.0
SCV2_101S-06	89.3	Positive	0		N/A	34.0
SCV2_101S-07	96.6	Positive	0		N/A	30.0
SCV2_101S-08	96.2	Positive	0		N/A	31.0
SCV2_101S-09	96.8	Negative	0		N/A	-
SCV2_101S-10	96.2	Negative	0		N/A	-

[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.

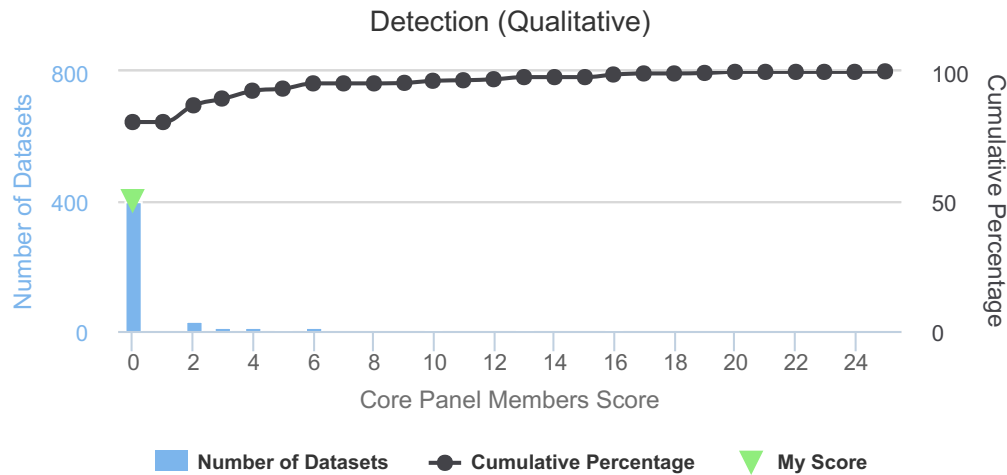
[5] **Your Result:** The qualitative result you reported for each sample within this EQA challenge / distribution.

[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 2020 SARS-CoV-2 EQA Programme</b>				 <small>Quality Control for Molecular Diagnostics</small>	
<b>Catalogue Code:</b> QAV204215	<b>Ref Code:</b> SCV2_20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative	<b>Dataset:</b> 399073	<b>Report UID:</b> 11738/399073/3134	<b>Laboratory</b> ES136	

### 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(s) used to submit your results for this challenge.

<b>Name</b>	COVID-19 Detection 2 (v3)
<b>Description</b>	
<b>Targets</b>	<span style="background-color: yellow; border-radius: 50%; padding: 2px;">V</span> coronavirus
<b>Assays</b>	<ul style="list-style-type: none"> <li><span style="color: blue;">🧬</span> <i>Extraction</i> - Roche - Roche MagNA Pure 24 System <ul style="list-style-type: none"> <li>● Commercial <ul style="list-style-type: none"> <li>○ Kit Manufacturer: <i>Roche</i></li> <li>○ Kit Type: <i>MagNA Pure Compact Nucleic Acid Isolation Kit I</i></li> </ul> </li> </ul> </li> <li><span style="color: blue;">📡</span> <i>Amplification</i> - Roche - LightCycler 96 System <ul style="list-style-type: none"> <li>● Multiplex</li> <li>● Commercial <ul style="list-style-type: none"> <li>○ Kit Manufacturer: <i>NZYTECH</i></li> <li>○ Kit Type: <i>SARS-CoV-2 One-Step RT-PCR Kit, CE-IVD</i></li> <li>○ Kit Version: <i>SARS-CoV-2 One-Step RT-PCR Kit, CE-IVD</i></li> </ul> </li> </ul> </li> </ul>



<b>Individual Report</b>		<b>QCMD 2020 SARS-CoV-2 EQA Programme</b>			 <small>Quality Control for Molecular Diagnostics</small>	
<b>Catalogue Code:</b> QAV204215	<b>Ref Code:</b> SCV2_20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative	<b>Dataset:</b> 399073	<b>Report UID:</b> 11738/399073/3134	<b>Laboratory</b> ES136

### Further Programme Details

Number of Participants	389
Number of Countries	61
Number of Respondents	335
Number of Datasets Submitted	497
Qualitative Results Returned	497 (100.0%)


### EQA Programme Aims

To assess laboratories in the molecular detection of SARS-CoV-2 at clinically appropriate levels, near the limit of detection of the assay as well as the specificity of molecular assay in the presence of other non-SARS coronaviruses.

### Feedback and Enquiries

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

Any enquiries should be submitted through the 'Contact Us' form that you can find in the 'Help' section of your QCMD (ITEMS) Participant Profile Area.

<b>Individual Report</b>		<b>QCMD 2020 SARS-CoV-2 EQA Programme</b>			 <b>QCMD</b> <small>Quality Control for Molecular Diagnostics</small>	
<b>Catalogue Code:</b> QAV204215	<b>Ref Code:</b> SCV2_20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative	<b>Dataset:</b> 399073	<b>Report UID:</b> 11738/399073/3134	<b>Laboratory</b> ES136

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)

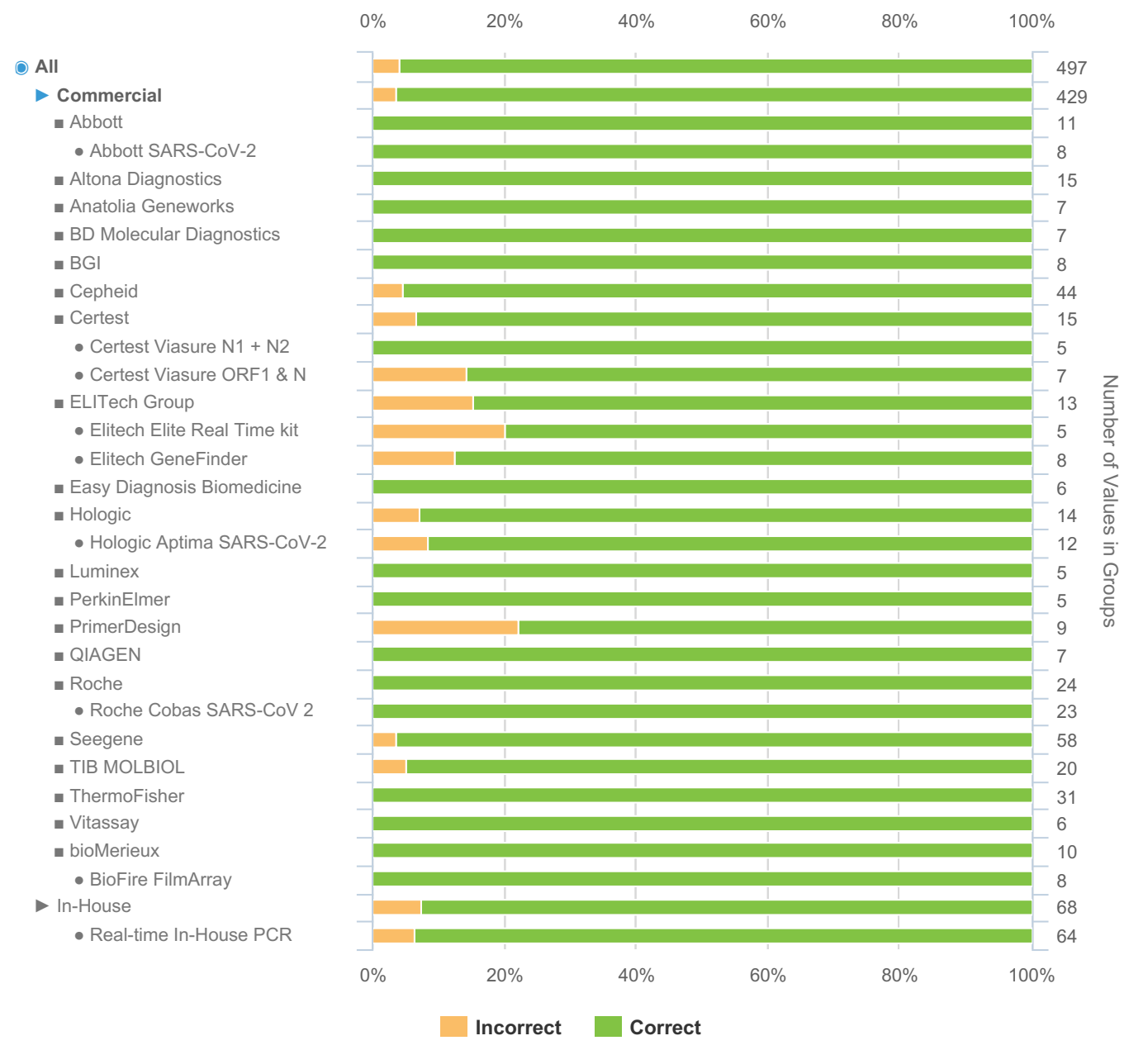
Qualitative analysis for each panel member is provided in relation to your EQA assessment group. EQA assessment groups are established using the molecular workflow information reported by all participants within this EQA challenge / distribution. The principal level of assessment is at the individual 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.

**SCV2\_101S-01 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
SCV2_101S-01	SARS-CoV-2	Transport Medium	3.16 dPCR Log10 Copies/ml (D2, DS1_3)	Frequently Detected	CORE	96.0	497



# Individual Report

# QCMD 2020 SARS-CoV-2 EQA Programme



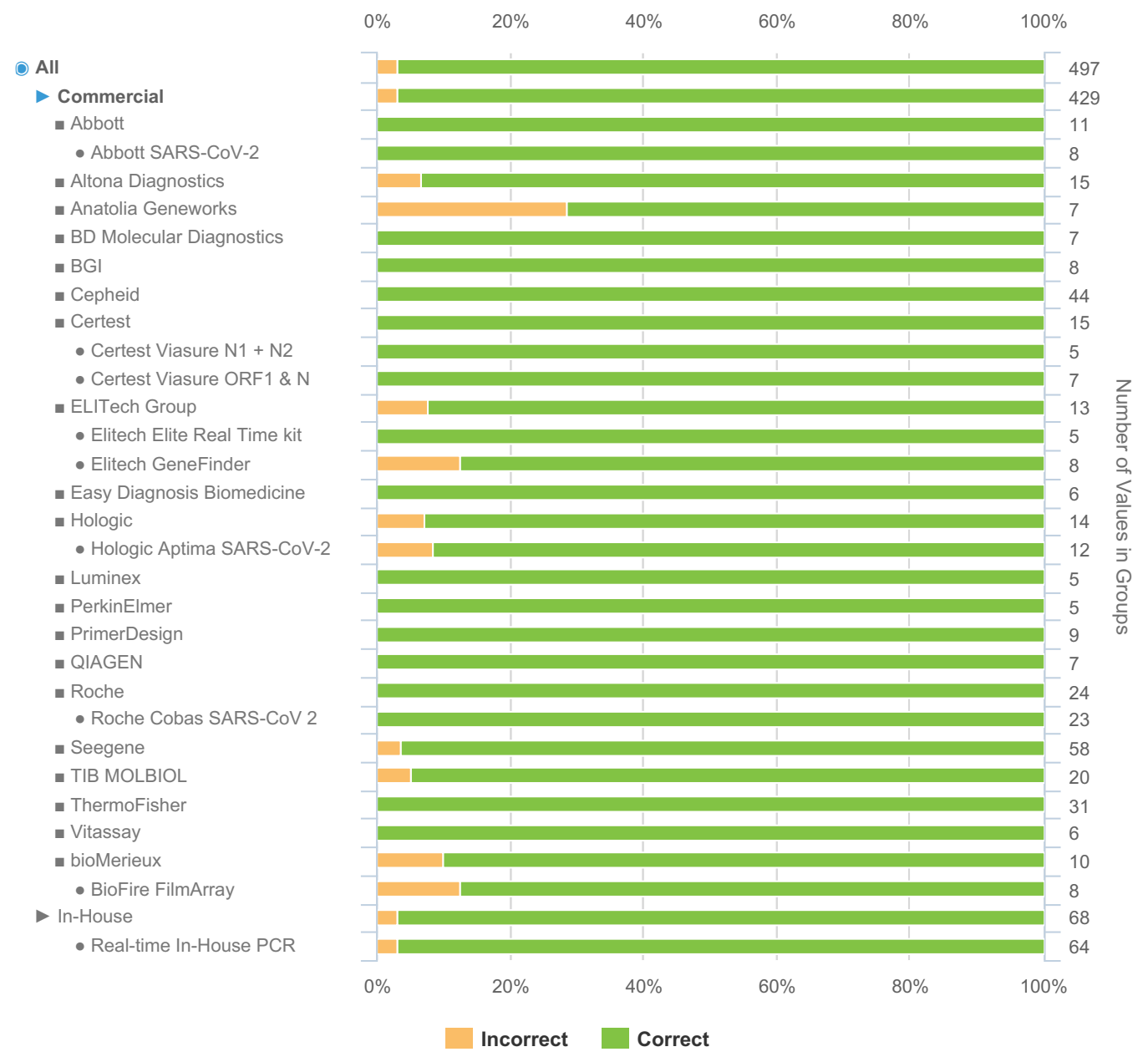
<b>Catalogue Code:</b> QAV204215	<b>Ref Code:</b> SCV2_20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative	<b>Dataset:</b> 399073	<b>Report UID:</b> 11738/399073/3134	<b>Laboratory:</b> ES136
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**Groups below n=5:** AB Analytica (n=4), AB Analytica - AB Analytica REALQUALITY RQ (n=4), ABL (n=1), ABL - ABL UltraGene (n=1), AITbiotech (n=3), AITbiotech - AITbiotech abTES COVID-19 (n=3), Abbott - Abbott Alinity SARS-CoV-2 (n=3), Adaltis (n=2), Adaltis - Adaltis MOLgen SARS-CoV-2 (n=2), Amoy Diagnostics (n=1), Amoy Diagnostics - AmoyDx Novel Coronavirus (n=1), AmpliSens (n=1), AmpliSens - AmpliSens CoV-Bat\_FRT (n=1), Anchor Diagnostics (n=3), Anchor Diagnostics - Anchor Diagnostics SARS CoV-2 (n=3), Astra Biotech (n=2), Astra Biotech - Astra Biotech SARS-CoV-2 (n=2), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics SARS-CoV-2 (n=1), Bio-Rad (n=1), Bio-Rad - Bio-Rad SARS-CoV-2 (n=1), BioGX (n=1), BioGX - BioGX SARS-CoV-2 (n=1), Biocore Technologies (n=2), Biocore Technologies - Biocore SARS-CoV-2 (n=2), Bioeksen (n=1), Bioeksen - Bioeksen Biospeedy SARS-CoV-2 (n=1), Bioer Technologies (n=3), Bioer Technologies - Bioer SARS-CoV-2 (n=3), Bioline (n=1), Bioline - Bioline SensiFast (n=1), Bioneer (n=3), Bioneer - Bioneer Accupower SARS-CoV-2 (n=3), Bosch (n=1), Bosch - Bosch Vivalytic SARS-CoV-2 (n=1), CDC (n=2), CDC - CDC SARS-CoV-2 (n=2), Certest - Certest Viasure S (n=3), Chronomics (n=1), Chronomics - Chronomics COVID 19 (n=1), Clonit (n=4), Clonit - Clonit Real Time PCR (n=4), Co-Diagnostics Inc (n=2), Co-Diagnostics Inc - Co-Diagnostics Inc Logix Smart (n=2), Convergent Technologies (n=2), Convergent Technologies - Convergys COVID 19 (n=2), DAAN GENE (n=3), DAAN GENE - DAAN Gene Covid-19 (n=3), DNA-Technology Russia (n=1), DNA-Technology Russia - DNA-Technology Covid-19 (n=1), DS Bio Nano Technology (n=1), DS Bio Nano Technology - DS CORONEX COVID-19 (n=1), DiaSorin (n=2), DiaSorin - DiaSorin Simplexa (n=2), Diagenode (n=1), Diagenode - Diagenode Real-Time PCR (n=1), Diatech Pharmacogenetics (n=1), Diatech Pharmacogenetics - Diatech Easy SARS-CoV-2 (n=1), Diatheva (n=1), Diatheva - Diatheva COVID-19 (n=1), EUROIMMUN (n=2), EUROIMMUN - EURO RealTime SARS-CoV-2 (n=2), Elisabeth Pharmacon (n=1), Elisabeth Pharmacon - EliGene COVID19 CONFIRM RT (n=1), GeneFirst (n=1), GeneFirst - GeneFirst Covid-19 (n=1), GeneOne Diagnostics Corporation (n=1), GeneOne Diagnostics Corporation - GeneOne COVID-19 (n=1), Genematrix (n=1), Genematrix - Genematrix NeoPlex (n=1), Gold Standard Diagnostics (n=2), Gold Standard Diagnostics - GSD NovaPrime SARS-CoV-2 (n=2), Grifols (n=1), Grifols - Grifols Procleix SARS-CoV-2 (n=1), Guangdong Huayin Medicine Science (n=1), Guangdong Huayin Medicine Science - Guangdong Huayin Real Time PCR (n=1), Hain Lifescience (n=1), Hain Lifescience - Hain Lifescience SARS-CoV-2 plus (n=1), Hologic - Hologic Panther Fusion (n=2), HybriBio Limited (n=1), HybriBio Limited - HybriBio Real-Time PCR Kit (n=1), Imegen (n=2), Imegen - Imegen SARS-CoV-2 (n=2), Immundiagnostik (n=1), Immundiagnostik - Immundiagnostik MutaPLEX (n=1), Innocreate Bioscience (n=1), Innocreate Bioscience - Innocreate Bioscience SARS-CoV-2 (n=1), Kogene Biotech (n=2), Kogene Biotech - Kogene Powerchek (n=2), KrosGen (n=1), KrosGen - KrosGen KrosQuant SARS-CoV-2 (n=1), LiliF Diagnostic (n=1), LiliF Diagnostic - LiliF Diagnostic COVID-19 (n=1), Maccura Biotechnology (n=1), Maccura Biotechnology - Maccura SARS-CoV-2 (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Master Diagnostica - Master Diagnostica SARS-CoV-2 (n=2), Medicofarma (n=2), Medicofarma - Medicofarma MediPAN COVID SARS-CoV-2 (n=2), Mobidiag (n=3), Mobidiag - Mobidiag Amplidiag (n=1), Mobidiag - Mobidiag Novodiag (n=2), NZYTEch (n=1), NZYTEch - NZYTEch SARS-CoV-2 (n=1), PathoFinder (n=4), PathoFinder - PathoFinder RealAccurate SARS-CoV-2 (n=4), PentaBase (n=3), PentaBase - PentaBase CoviDetect (n=3), Procomcure Biotech (n=1), Procomcure Biotech - Procomcure Biotech PhoenixDx SARS-CoV-2 (n=1), QIAGEN - Qiagen NeuMoDx (n=4), QIAGEN - Qiagen QIAtat-Dx (n=2), QIAGEN - Qiagen Real Time PCR (n=1), R-Biopharm (n=1), R-Biopharm - R-Biopharm RIDA Gene (n=1), Roche - Roche LightCycler Multiplex RNA Virus (n=1), SD BioSensor (n=1), SD BioSensor - SD BioSensor SARS-CoV-2 (n=1), Sacace (n=3), Sacace - Sacace SARS-CoV-2 (n=3), Seasun Biomaterials (n=1), Seasun Biomaterials - Seasun Biomaterials U-Top Covid-19 (n=1), Sentebiolab (n=1), Sentebiolab - Sentebiolab Senteligo SARS-CoV-2 (n=1), Shanghai Focusgen (n=1), Shanghai Focusgen - Shanghai Focusgen Real-Time PCR (n=1), Shanghai Fosun Pharmaceutical (n=1), Shanghai Fosun Pharmaceutical - Shanghai Fosun Real Time PCR (n=1), Solis BioDyne (n=1), Solis BioDyne - Solis BioDyne SARS-CoV-2 (n=1), Ukrainian Genetic Technologies (n=1), Ukrainian Genetic Technologies - Ukrainian Genetic Technologies COVID-19 (n=1), Vazyme (n=1), Vazyme - Vazyme SARS-CoV-2 (n=1), Vector Best (n=2), Vector Best - Vector Best SARS-CoV-2 (n=2), Veredus laboratories (n=1), Veredus laboratories - Veredus SARS-CoV-2 (n=1), ViennaLab Diagnostics (n=1), ViennaLab Diagnostics - ViennaLab SARS-CoV-2 RealFast (n=1), Yourgene Health (n=1), Yourgene Health - Yourgene Health Clarigene SARS-CoV-2 (n=1), ZJ Bio-Tech (n=2), ZJ Bio-Tech - ZJ Bio-Tech RT PCR (n=2), Zybio (n=1), Zybio - Zybio SARS-CoV-2 (n=1), bioMerieux - bioMerieux R-gene SARS-CoV-2 (n=2), fast-track DIAGNOSTICS (n=4), fast-track DIAGNOSTICS - FTD real time PCR (n=4), In-House - Conventional In-House PCR (n=4)

**Groups Rolled Up:** Altona Diagnostics - Altona Diagnostics RealStar (n=15), Anatolia Geneworks - Anatolia Geneworks Bosphore nCoV (n=7), BD Molecular Diagnostics - BD SARS-CoV-2 (n=7), BGI - BGI Real Time PCR (n=8), Cepheid - Cepheid Xpert SARS-CoV-2 (n=44), Easy Diagnosis Biomedicine - EasyDiagnosis SARS-CoV-2 (n=6), Lumindex - Lumindex ARIES (n=5), PerkinElmer - PerkinElmer SARS-CoV-2 Real Time PCR (n=5), PrimerDesign - PrimerDesign Genesig (n=9), Seegene - Seegene Allplex SARS-CoV-2 (n=58), TIB MOLBIOL - TIB MOLBIOL LightMix (n=20), ThermoFisher - ThermoFisher TaqPath COVID-19 (n=31), Vitassay - Vitassay SARS-CoV-2 (n=6)

**SCV2\_101S-02 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
SCV2_101S-02	Coronavirus 229E	Transport Medium	3.93 dPCR Log10 Copies/ml	Negative	CORE	97.0	497



# Individual Report

# QCMD 2020 SARS-CoV-2 EQA Programme



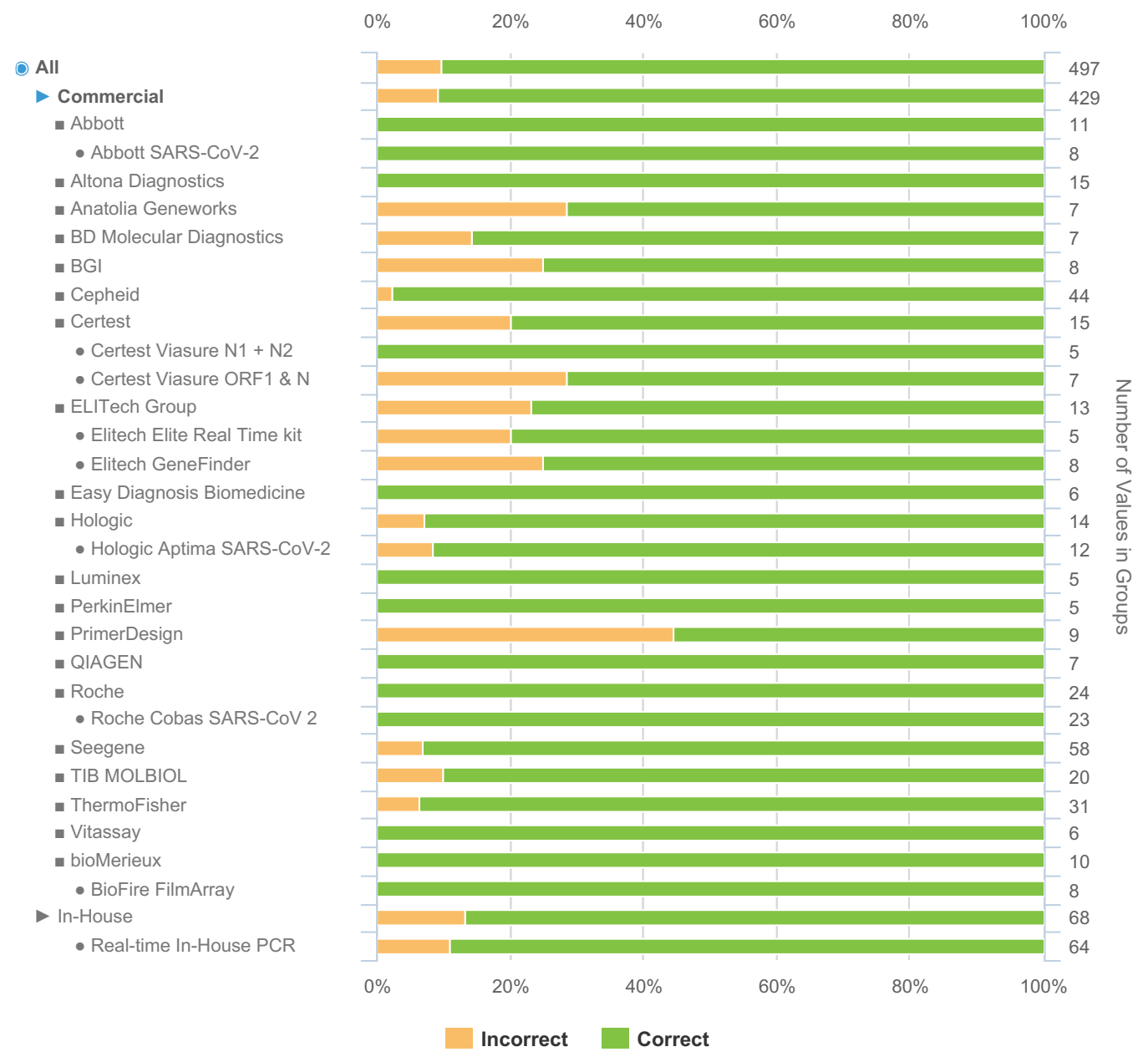
<b>Catalogue Code:</b> QAV204215	<b>Ref Code:</b> SCV2_20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative	<b>Dataset:</b> 399073	<b>Report UID:</b> 11738/399073/3134	<b>Laboratory:</b> ES136
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**Groups below n=5:** AB Analytica (n=4), AB Analytica - AB Analytica REALQUALITY RQ (n=4), ABL (n=1), ABL - ABL UltraGene (n=1), AITbiotech (n=3), AITbiotech - AITbiotech abTES COVID-19 (n=3), Abbott - Abbott Alinity SARS-CoV-2 (n=3), Adaltis (n=2), Adaltis - Adaltis MOLgen SARS-CoV-2 (n=2), Amoy Diagnostics (n=1), Amoy Diagnostics - AmoyDx Novel Coronavirus (n=1), AmpliSens (n=1), AmpliSens - AmpliSens CoV-Bat\_FRT (n=1), Anchor Diagnostics (n=3), Anchor Diagnostics - Anchor Diagnostics SARS CoV-2 (n=3), Astra Biotech (n=2), Astra Biotech - Astra Biotech SARS-CoV-2 (n=2), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics SARS-CoV-2 (n=1), Bio-Rad (n=1), Bio-Rad - Bio-Rad SARS-CoV-2 (n=1), BioGX (n=1), BioGX - BioGX SARS-CoV-2 (n=1), Biocore Technologies (n=2), Biocore Technologies - Biocore SARS-CoV-2 (n=2), Bioeksen (n=1), Bioeksen - Bioeksen Biospeedy SARS-CoV-2 (n=1), Bioer Technologies (n=3), Bioer Technologies - Bioer SARS-CoV-2 (n=3), Bioline (n=1), Bioline - Bioline SensiFast (n=1), Bioneer (n=3), Bioneer - Bioneer Accupower SARS-CoV-2 (n=3), Bosch (n=1), Bosch - Bosch Vivalytic SARS-CoV-2 (n=1), CDC (n=2), CDC - CDC SARS-CoV-2 (n=2), Certest - Certest Viasure S (n=3), Chronomics (n=1), Chronomics - Chronomics COVID 19 (n=1), Clonit (n=4), Clonit - Clonit Real Time PCR (n=4), Co-Diagnostics Inc (n=2), Co-Diagnostics Inc - Co-Diagnostics Inc Logix Smart (n=2), Convergent Technologies (n=2), Convergent Technologies - Convergys COVID 19 (n=2), DAAN GENE (n=3), DAAN GENE - DAAN Gene Covid-19 (n=3), DNA-Technology Russia (n=1), DNA-Technology Russia - DNA-Technology Covid-19 (n=1), DS Bio Nano Technology (n=1), DS Bio Nano Technology - DS CORONEX COVID-19 (n=1), DiaSorin (n=2), DiaSorin - DiaSorin Simplexa (n=2), Diagenode (n=1), Diagenode - Diagenode Real-Time PCR (n=1), Diatech Pharmacogenetics (n=1), Diatech Pharmacogenetics - Diatech Easy SARS-CoV-2 (n=1), Diatheva (n=1), Diatheva - Diatheva COVID-19 (n=1), EUROIMMUN (n=2), EUROIMMUN - EURO RealTime SARS-CoV-2 (n=2), Elisabeth Pharmacon (n=1), Elisabeth Pharmacon - EliGene COVID19 CONFIRM RT (n=1), GeneFirst (n=1), GeneFirst - GeneFirst Covid-19 (n=1), GeneOne Diagnostics Corporation (n=1), GeneOne Diagnostics Corporation - GeneOne COVID-19 (n=1), Genematrix (n=1), Genematrix - Genematrix NeoPlex (n=1), Gold Standard Diagnostics (n=2), Gold Standard Diagnostics - GSD NovaPrime SARS-CoV-2 (n=2), Grifols (n=1), Grifols - Grifols Procleix SARS-CoV-2 (n=1), Guangdong Huayin Medicine Science (n=1), Guangdong Huayin Medicine Science - Guangdong Huayin Real Time PCR (n=1), Hain Lifescience (n=1), Hain Lifescience - Hain Lifescience SARS-CoV-2 plus (n=1), Hologic - Hologic Panther Fusion (n=2), HybriBio Limited (n=1), HybriBio Limited - HybriBio Real-Time PCR Kit (n=1), Imegen (n=2), Imegen - Imegen SARS-CoV-2 (n=2), Immundiagnostik (n=1), Immundiagnostik - Immundiagnostik MutaPLEX (n=1), Innocreate Bioscience (n=1), Innocreate Bioscience - Innocreate Bioscience SARS-CoV-2 (n=1), Kogene Biotech (n=2), Kogene Biotech - Kogene Powerchek (n=2), KrosGen (n=1), KrosGen - KrosGen KrosQuant SARS-CoV-2 (n=1), LiliF Diagnostic (n=1), LiliF Diagnostic - LiliF Diagnostic COVID-19 (n=1), Maccura Biotechnology (n=1), Maccura Biotechnology - Maccura SARS-CoV-2 (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Master Diagnostica - Master Diagnostica SARS-CoV-2 (n=2), Medicofarma (n=2), Medicofarma - Medicofarma MediPAN COVID SARS-CoV-2 (n=2), Mobidiag (n=3), Mobidiag - Mobidiag Amplidiag (n=1), Mobidiag - Mobidiag Novodiag (n=2), NZYTech (n=1), NZYTech - NZYTech SARS-CoV-2 (n=1), PathoFinder (n=4), PathoFinder - PathoFinder RealAccurate SARS-CoV-2 (n=4), PentaBase (n=3), PentaBase - PentaBase CoviDetect (n=3), Procomcure Biotech (n=1), Procomcure Biotech - Procomcure Biotech PhoenixDx SARS-CoV-2 (n=1), QIAGEN - Qiagen NeuMoDx (n=4), QIAGEN - Qiagen QIAsat-Dx (n=2), QIAGEN - Qiagen Real Time PCR (n=1), R-Biopharm (n=1), R-Biopharm - R-Biopharm RIDA Gene (n=1), Roche - Roche LightCycler Multiplex RNA Virus (n=1), SD BioSensor (n=1), SD BioSensor - SD BioSensor SARS-CoV-2 (n=1), Sacace (n=3), Sacace - Sacace SARS-CoV-2 (n=3), Seasun Biomaterials (n=1), Seasun Biomaterials - Seasun Biomaterials U-Top Covid-19 (n=1), Sentebiolab (n=1), Sentebiolab - Sentebiolab Senteligo SARS-CoV-2 (n=1), Shanghai Focusgen (n=1), Shanghai Focusgen - Shanghai Focusgen Real-Time PCR (n=1), Shanghai Fosun Pharmaceutical (n=1), Shanghai Fosun Pharmaceutical - Shanghai Fosun Real Time PCR (n=1), Solis BioDyne (n=1), Solis BioDyne - Solis BioDyne SARS-CoV-2 (n=1), Ukrainian Genetic Technologies (n=1), Ukrainian Genetic Technologies - Ukrainian Genetic Technologies COVID-19 (n=1), Vazyme (n=1), Vazyme - Vazyme SARS-CoV-2 (n=1), Vector Best (n=2), Vector Best - Vector Best SARS-CoV-2 (n=2), Veredus laboratories (n=1), Veredus laboratories - Veredus SARS-CoV-2 (n=1), ViennaLab Diagnostics (n=1), ViennaLab Diagnostics - ViennaLab SARS-CoV-2 RealFast (n=1), Yourgene Health (n=1), Yourgene Health - Yourgene Health Clarigene SARS-CoV-2 (n=1), ZJ Bio-Tech (n=2), ZJ Bio-Tech - ZJ Bio-Tech RT PCR (n=2), Zybio (n=1), Zybio - Zybio SARS-CoV-2 (n=1), bioMerieux - bioMerieux R-gene SARS-CoV-2 (n=2), fast-track DIAGNOSTICS (n=4), fast-track DIAGNOSTICS - FTD real time PCR (n=4), In-House - Conventional In-House PCR (n=4)

**Groups Rolled Up:** Altona Diagnostics - Altona Diagnostics RealStar (n=15), Anatolia Geneworks - Anatolia Geneworks Bosphore nCoV (n=7), BD Molecular Diagnostics - BD SARS-CoV-2 (n=7), BGI - BGI Real Time PCR (n=8), Cepheid - Cepheid Xpert SARS-CoV-2 (n=44), Easy Diagnosis Biomedicine - EasyDiagnosis SARS-CoV-2 (n=6), Lumindex - Lumindex ARIES (n=5), PerkinElmer - PerkinElmer SARS-CoV-2 Real Time PCR (n=5), PrimerDesign - PrimerDesign Genesig (n=9), Seegene - Seegene Allplex SARS-CoV-2 (n=58), TIB MOLBIOL - TIB MOLBIOL LightMix (n=20), ThermoFisher - ThermoFisher TaqPath COVID-19 (n=31), Vitassay - Vitassay SARS-CoV-2 (n=6)

**SCV2\_101S-03 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
SCV2_101S-03	SARS-CoV-2	Transport Medium	2.48 dPCR Log10 Copies/ml (D3, DS1_4)	Detected	CORE	90.3	497



# Individual Report

# QCMD 2020 SARS-CoV-2 EQA Programme



<b>Catalogue Code:</b> QAV204215	<b>Ref Code:</b> SCV2_20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative	<b>Dataset:</b> 399073	<b>Report UID:</b> 11738/399073/3134	<b>Laboratory:</b> ES136
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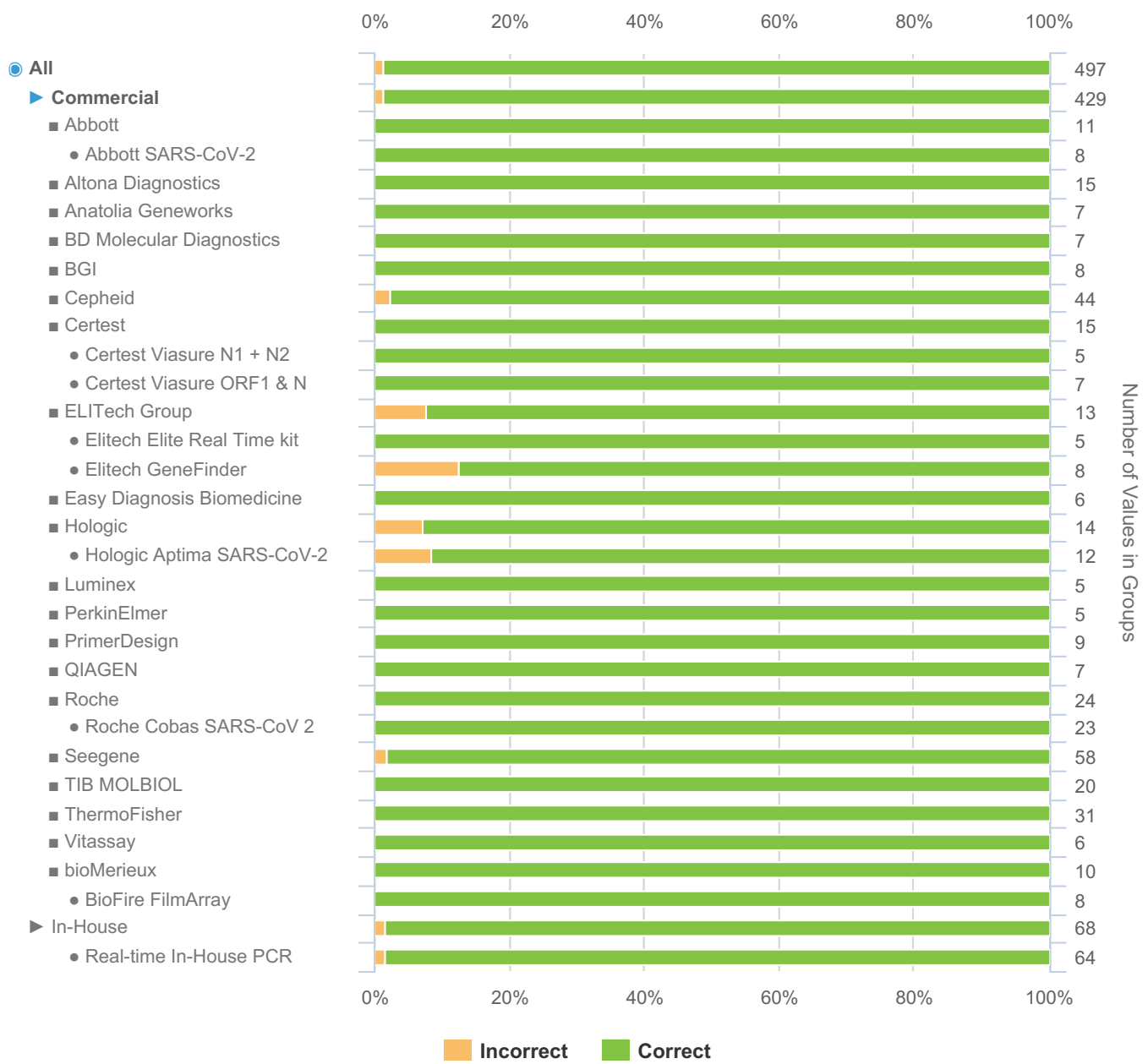
**Groups below n=5:** AB Analytica (n=4), AB Analytica - AB Analytica REALQUALITY RQ (n=4), ABL (n=1), ABL - ABL UltraGene (n=1), AITbiotech (n=3), AITbiotech - AITbiotech abTES COVID-19 (n=3), Abbott - Abbott Alinity SARS-CoV-2 (n=3), Adaltis (n=2), Adaltis - Adaltis MOLgen SARS-CoV-2 (n=2), Amoy Diagnostics (n=1), Amoy Diagnostics - AmoyDx Novel Coronavirus (n=1), AmpliSens (n=1), AmpliSens - AmpliSens CoV-Bat\_FRT (n=1), Anchor Diagnostics (n=3), Anchor Diagnostics - Anchor Diagnostics SARS CoV-2 (n=3), Astra Biotech (n=2), Astra Biotech - Astra Biotech SARS-CoV-2 (n=2), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics SARS-CoV-2 (n=1), Bio-Rad (n=1), Bio-Rad - Bio-Rad SARS-CoV-2 (n=1), BioGX (n=1), BioGX - BioGX SARS-CoV-2 (n=1), Biocore Technologies (n=2), Biocore Technologies - Biocore SARS-CoV-2 (n=2), Bioeksen (n=1), Bioeksen - Bioeksen Biospeedy SARS-CoV-2 (n=1), Bioer Technologies (n=3), Bioer Technologies - Bioer SARS-CoV-2 (n=3), Bioline (n=1), Bioline - Bioline SensiFast (n=1), Bioneer (n=3), Bioneer - Bioneer Accupower SARS-CoV-2 (n=3), Bosch (n=1), Bosch - Bosch Vivalytic SARS-CoV-2 (n=1), CDC (n=2), CDC - CDC SARS-CoV-2 (n=2), Certest - Certest Viasure S (n=3), Chronomics (n=1), Chronomics - Chronomics COVID 19 (n=1), Clonit (n=4), Clonit - Clonit Real Time PCR (n=4), Co-Diagnostics Inc (n=2), Co-Diagnostics Inc - Co-Diagnostics Inc Logix Smart (n=2), Convergent Technologies (n=2), Convergent Technologies - Convergys COVID 19 (n=2), DAAN GENE (n=3), DAAN GENE - DAAN Gene Covid-19 (n=3), DNA-Technology Russia (n=1), DNA-Technology Russia - DNA-Technology Covid-19 (n=1), DS Bio Nano Technology (n=1), DS Bio Nano Technology - DS CORONEX COVID-19 (n=1), DiaSorin (n=2), DiaSorin - DiaSorin Simplexa (n=2), Diagenode (n=1), Diagenode - Diagenode Real-Time PCR (n=1), Diatech Pharmacogenetics (n=1), Diatech Pharmacogenetics - Diatech Easy SARS-CoV-2 (n=1), Diatheva (n=1), Diatheva - Diatheva COVID-19 (n=1), EUROIMMUN (n=2), EUROIMMUN - EURO RealTime SARS-CoV-2 (n=2), Elisabeth Pharmacon (n=1), Elisabeth Pharmacon - EliGene COVID19 CONFIRM RT (n=1), GeneFirst (n=1), GeneFirst - GeneFirst Covid-19 (n=1), GeneOne Diagnostics Corporation (n=1), GeneOne Diagnostics Corporation - GeneOne COVID-19 (n=1), Genematrix (n=1), Genematrix - Genematrix NeoPlex (n=1), Gold Standard Diagnostics (n=2), Gold Standard Diagnostics - GSD NovaPrime SARS-CoV-2 (n=2), Grifols (n=1), Grifols - Grifols Procleix SARS-CoV-2 (n=1), Guangdong Huayin Medicine Science (n=1), Guangdong Huayin Medicine Science - Guangdong Huayin Real Time PCR (n=1), Hain Lifescience (n=1), Hain Lifescience - Hain Lifescience SARS-CoV-2 plus (n=1), Hologic - Hologic Panther Fusion (n=2), HybriBio Limited (n=1), HybriBio Limited - HybriBio Real-Time PCR Kit (n=1), Imegen (n=2), Imegen - Imegen SARS-CoV-2 (n=2), Immundiagnostik (n=1), Immundiagnostik - Immundiagnostik MutaPLEX (n=1), Innocreate Bioscience (n=1), Innocreate Bioscience - Innocreate Bioscience SARS-CoV-2 (n=1), Kogene Biotech (n=2), Kogene Biotech - Kogene Powerchek (n=2), KrosGen (n=1), KrosGen - KrosGen KrosQuant SARS-CoV-2 (n=1), LiliF Diagnostic (n=1), LiliF Diagnostic - LiliF Diagnostic COVID-19 (n=1), Maccura Biotechnology (n=1), Maccura Biotechnology - Maccura SARS-CoV-2 (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Master Diagnostica - Master Diagnostica SARS-CoV-2 (n=2), Medicofarma (n=2), Medicofarma - Medicofarma MediPAN COVID SARS-CoV-2 (n=2), Mobidiag (n=3), Mobidiag - Mobidiag Amplidiag (n=1), Mobidiag - Mobidiag Novodiag (n=2), NZYTech (n=1), NZYTech - NZYTech SARS-CoV-2 (n=1), PathoFinder (n=4), PathoFinder - PathoFinder RealAccurate SARS-CoV-2 (n=4), PentaBase (n=3), PentaBase - PentaBase CoviDetect (n=3), Procomcure Biotech (n=1), Procomcure Biotech - Procomcure Biotech PhoenixDx SARS-CoV-2 (n=1), QIAGEN - Qiagen NeuMoDx (n=4), QIAGEN - Qiagen QIAsat-Dx (n=2), QIAGEN - Qiagen Real Time PCR (n=1), R-Biopharm (n=1), R-Biopharm - R-Biopharm RIDA Gene (n=1), Roche - Roche LightCycler Multiplex RNA Virus (n=1), SD BioSensor (n=1), SD BioSensor - SD BioSensor SARS-CoV-2 (n=1), Sacace (n=3), Sacace - Sacace SARS-CoV-2 (n=3), Seasun Biomaterials (n=1), Seasun Biomaterials - Seasun Biomaterials U-Top Covid-19 (n=1), Sentebiolab (n=1), Sentebiolab - Sentebiolab Senteligo SARS-CoV-2 (n=1), Shanghai Focusgen (n=1), Shanghai Focusgen - Shanghai Focusgen Real-Time PCR (n=1), Shanghai Fosun Pharmaceutical (n=1), Shanghai Fosun Pharmaceutical - Shanghai Fosun Real Time PCR (n=1), Solis BioDyne (n=1), Solis BioDyne - Solis BioDyne SARS-CoV-2 (n=1), Ukrainian Genetic Technologies (n=1), Ukrainian Genetic Technologies - Ukrainian Genetic Technologies COVID-19 (n=1), Vazyme (n=1), Vazyme - Vazyme SARS-CoV-2 (n=1), Vector Best (n=2), Vector Best - Vector Best SARS-CoV-2 (n=2), Veredus laboratories (n=1), Veredus laboratories - Veredus SARS-CoV-2 (n=1), ViennaLab Diagnostics (n=1), ViennaLab Diagnostics - ViennaLab SARS-CoV-2 RealFast (n=1), Yourgene Health (n=1), Yourgene Health - Yourgene Health Clarigene SARS-CoV-2 (n=1), ZJ Bio-Tech (n=2), ZJ Bio-Tech - ZJ Bio-Tech RT PCR (n=2), Zybio (n=1), Zybio - Zybio SARS-CoV-2 (n=1), bioMerieux - bioMerieux R-gene SARS-CoV-2 (n=2), fast-track DIAGNOSTICS (n=4), fast-track DIAGNOSTICS - FTD real time PCR (n=4), In-House - Conventional In-House PCR (n=4)

**Groups Rolled Up:** Altona Diagnostics - Altona Diagnostics RealStar (n=15), Anatolia Geneworks - Anatolia Geneworks Bosphore nCoV (n=7), BD Molecular Diagnostics - BD SARS-CoV-2 (n=7), BGI - BGI Real Time PCR (n=8), Cepheid - Cepheid Xpert SARS-CoV-2 (n=44), Easy Diagnosis Biomedicine - EasyDiagnosis SARS-CoV-2 (n=6), Lumindex - Lumindex ARIES (n=5), PerkinElmer - PerkinElmer SARS-CoV-2 Real Time PCR (n=5), PrimerDesign - PrimerDesign Genesig (n=9), Seegene - Seegene Allplex SARS-CoV-2 (n=58), TIB MOLBIOL - TIB MOLBIOL LightMix (n=20), ThermoFisher - ThermoFisher TaqPath COVID-19 (n=31), Vitassay - Vitassay SARS-CoV-2 (n=6)



**SCV2\_101S-04 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
SCV2_101S-04	SARS-CoV-2	Transport Medium	4.29 dPCR Log10 Copies/ml (DS1_1)	Frequently Detected	CORE	98.8	497



# Individual Report

# QCMD 2020 SARS-CoV-2 EQA Programme



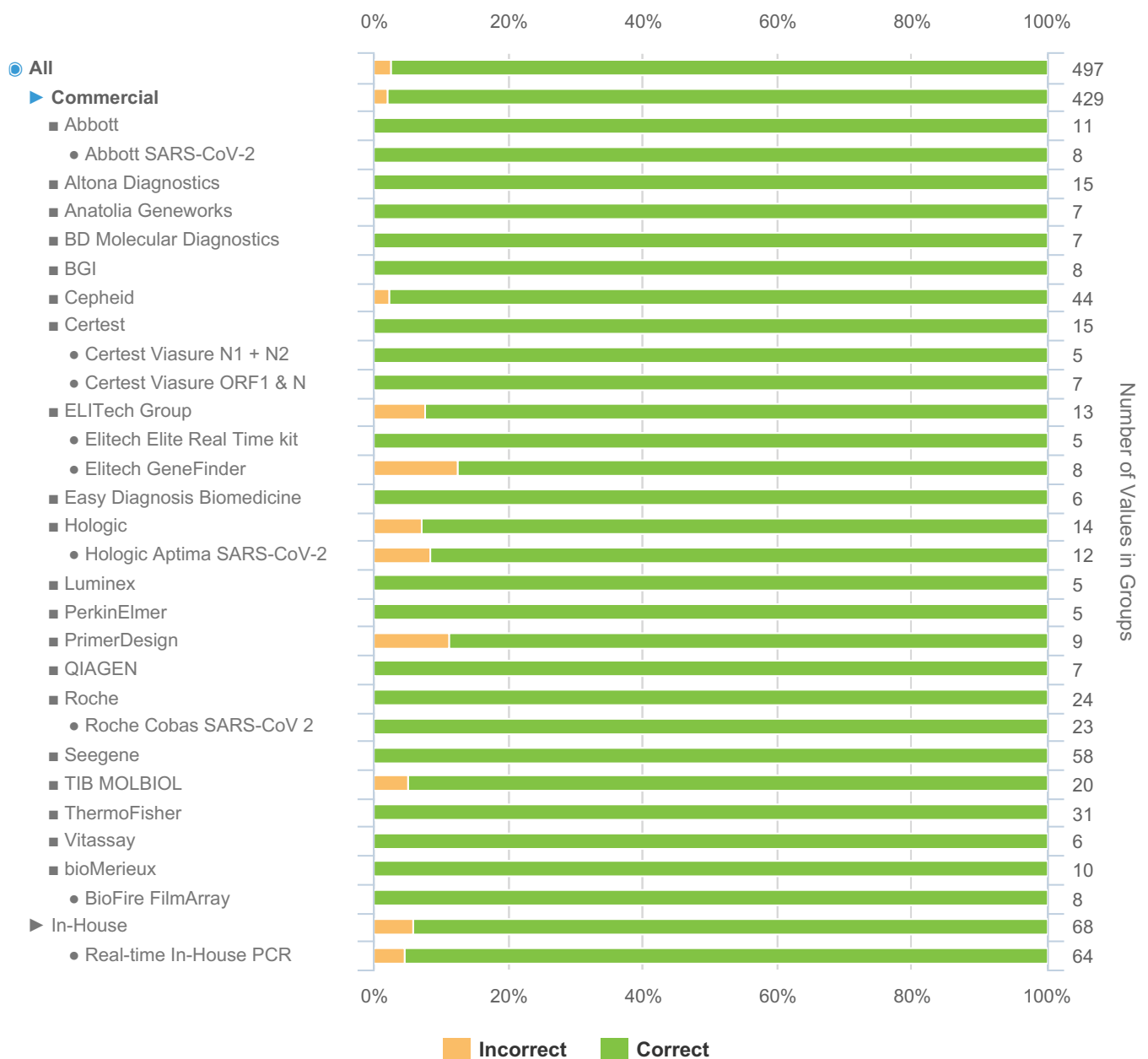
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**Groups below n=5:** AB Analytica (n=4), AB Analytica - AB Analytica REALQUALITY RQ (n=4), ABL (n=1), ABL - ABL UltraGene (n=1), AITbiotech (n=3), AITbiotech - AITbiotech abTES COVID-19 (n=3), Abbott - Abbott Alinity SARS-CoV-2 (n=3), Adaltis (n=2), Adaltis - Adaltis MOLgen SARS-CoV-2 (n=2), Amoy Diagnostics (n=1), Amoy Diagnostics - AmoyDx Novel Coronavirus (n=1), AmpliSens (n=1), AmpliSens - AmpliSens CoV-Bat\_FRT (n=1), Anchor Diagnostics (n=3), Anchor Diagnostics - Anchor Diagnostics SARS CoV-2 (n=3), Astra Biotech (n=2), Astra Biotech - Astra Biotech SARS-CoV-2 (n=2), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics SARS-CoV-2 (n=1), Bio-Rad (n=1), Bio-Rad - Bio-Rad SARS-CoV-2 (n=1), BioGX (n=1), BioGX - BioGX SARS-CoV-2 (n=1), Biocore Technologies (n=2), Biocore Technologies - Biocore SARS-CoV-2 (n=2), Bioeksen (n=1), Bioeksen - Bioeksen Biospeedy SARS-CoV-2 (n=1), Bioer Technologies (n=3), Bioer Technologies - Bioer SARS-CoV-2 (n=3), Bioline (n=1), Bioline - Bioline SensiFast (n=1), Bioneer (n=3), Bioneer - Bioneer Accupower SARS-CoV-2 (n=3), Bosch (n=1), Bosch - Bosch Vivalytic SARS-CoV-2 (n=1), CDC (n=2), CDC - CDC SARS-CoV-2 (n=2), Certest - Certest Viasure S (n=3), Chronomics (n=1), Chronomics - Chronomics COVID 19 (n=1), Clonit (n=4), Clonit - Clonit Real Time PCR (n=4), Co-Diagnostics Inc (n=2), Co-Diagnostics Inc - Co-Diagnostics Inc Logix Smart (n=2), Convergent Technologies (n=2), Convergent Technologies - Convergys COVID 19 (n=2), DAAN GENE (n=3), DAAN GENE - DAAN Gene Covid-19 (n=3), DNA-Technology Russia (n=1), DNA-Technology Russia - DNA-Technology Covid-19 (n=1), DS Bio Nano Technology (n=1), DS Bio Nano Technology - DS CORONEX COVID-19 (n=1), DiaSorin (n=2), DiaSorin - DiaSorin Simplexa (n=2), Diagenode (n=1), Diagenode - Diagenode Real-Time PCR (n=1), Diatech Pharmacogenetics (n=1), Diatech Pharmacogenetics - Diatech Easy SARS-CoV-2 (n=1), Diatheva (n=1), Diatheva - Diatheva COVID-19 (n=1), EUROIMMUN (n=2), EUROIMMUN - EURO RealTime SARS-CoV-2 (n=2), Elisabeth Pharmacon (n=1), Elisabeth Pharmacon - EliGene COVID19 CONFIRM RT (n=1), GeneFirst (n=1), GeneFirst - GeneFirst Covid-19 (n=1), GeneOne Diagnostics Corporation (n=1), GeneOne Diagnostics Corporation - GeneOne COVID-19 (n=1), Genematrix (n=1), Genematrix - Genematrix NeoPlex (n=1), Gold Standard Diagnostics (n=2), Gold Standard Diagnostics - GSD NovaPrime SARS-CoV-2 (n=2), Grifols (n=1), Grifols - Grifols Procleix SARS-CoV-2 (n=1), Guangdong Huayin Medicine Science (n=1), Guangdong Huayin Medicine Science - Guangdong Huayin Real Time PCR (n=1), Hain Lifescience (n=1), Hain Lifescience - Hain Lifescience SARS-CoV-2 plus (n=1), Hologic - Hologic Panther Fusion (n=2), HybriBio Limited (n=1), HybriBio Limited - HybriBio Real-Time PCR Kit (n=1), Imegen (n=2), Imegen - Imegen SARS-CoV-2 (n=2), Immundiagnostik (n=1), Immundiagnostik - Immundiagnostik MutaPLEX (n=1), Innocreate Bioscience (n=1), Innocreate Bioscience - Innocreate Bioscience SARS-CoV-2 (n=1), Kogene Biotech (n=2), Kogene Biotech - Kogene Powerchek (n=2), KrosGen (n=1), KrosGen - KrosGen KrosQuant SARS-CoV-2 (n=1), LiliF Diagnostic (n=1), LiliF Diagnostic - LiliF Diagnostic COVID-19 (n=1), Maccura Biotechnology (n=1), Maccura Biotechnology - Maccura SARS-CoV-2 (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Master Diagnostica - Master Diagnostica SARS-CoV-2 (n=2), Medicofarma (n=2), Medicofarma - Medicofarma MediPAN COVID SARS-CoV-2 (n=2), Mobidiag (n=3), Mobidiag - Mobidiag Amplidiag (n=1), Mobidiag - Mobidiag Novodiag (n=2), NZYTech (n=1), NZYTech - NZYTech SARS-CoV-2 (n=1), PathoFinder (n=4), PathoFinder - PathoFinder RealAccurate SARS-CoV-2 (n=4), PentaBase (n=3), PentaBase - PentaBase CoviDetect (n=3), Procomcure Biotech (n=1), Procomcure Biotech - Procomcure Biotech PhoenixDx SARS-CoV-2 (n=1), QIAGEN - Qiagen NeuMoDx (n=4), QIAGEN - Qiagen QIAtat-Dx (n=2), QIAGEN - Qiagen Real Time PCR (n=1), R-Biopharm (n=1), R-Biopharm - R-Biopharm RIDA Gene (n=1), Roche - Roche LightCycler Multiplex RNA Virus (n=1), SD BioSensor (n=1), SD BioSensor - SD BioSensor SARS-CoV-2 (n=1), Sacace (n=3), Sacace - Sacace SARS-CoV-2 (n=3), Seasun Biomaterials (n=1), Seasun Biomaterials - Seasun Biomaterials U-Top Covid-19 (n=1), Sentebiolab (n=1), Sentebiolab - Sentebiolab Senteligo SARS-CoV-2 (n=1), Shanghai Focusgen (n=1), Shanghai Focusgen - Shanghai Focusgen Real-Time PCR (n=1), Shanghai Fosun Pharmaceutical (n=1), Shanghai Fosun Pharmaceutical - Shanghai Fosun Real Time PCR (n=1), Solis BioDyne (n=1), Solis BioDyne - Solis BioDyne SARS-CoV-2 (n=1), Ukrainian Genetic Technologies (n=1), Ukrainian Genetic Technologies - Ukrainian Genetic Technologies COVID-19 (n=1), Vazyme (n=1), Vazyme - Vazyme SARS-CoV-2 (n=1), Vector Best (n=2), Vector Best - Vector Best SARS-CoV-2 (n=2), Veredus laboratories (n=1), Veredus laboratories - Veredus SARS-CoV-2 (n=1), ViennaLab Diagnostics (n=1), ViennaLab Diagnostics - ViennaLab SARS-CoV-2 RealFast (n=1), Yourgene Health (n=1), Yourgene Health - Yourgene Health Clarigene SARS-CoV-2 (n=1), ZJ Bio-Tech (n=2), ZJ Bio-Tech - ZJ Bio-Tech RT PCR (n=2), Zybio (n=1), Zybio - Zybio SARS-CoV-2 (n=1), bioMerieux - bioMerieux R-gene SARS-CoV-2 (n=2), fast-track DIAGNOSTICS (n=4), fast-track DIAGNOSTICS - FTD real time PCR (n=4), In-House - Conventional In-House PCR (n=4)

**Groups Rolled Up:** Altona Diagnostics - Altona Diagnostics RealStar (n=15), Anatolia Geneworks - Anatolia Geneworks Bosphore nCoV (n=7), BD Molecular Diagnostics - BD SARS-CoV-2 (n=7), BGI - BGI Real Time PCR (n=8), Cepheid - Cepheid Xpert SARS-CoV-2 (n=44), Easy Diagnosis Biomedicine - EasyDiagnosis SARS-CoV-2 (n=6), Lumindex - Lumindex ARIES (n=5), PerkinElmer - PerkinElmer SARS-CoV-2 Real Time PCR (n=5), PrimerDesign - PrimerDesign Genesig (n=9), Seegene - Seegene Allplex SARS-CoV-2 (n=58), TIB MOLBIOL - TIB MOLBIOL LightMix (n=20), ThermoFisher - ThermoFisher TaqPath COVID-19 (n=31), Vitassay - Vitassay SARS-CoV-2 (n=6)

**SCV2\_101S-05 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
SCV2_101S-05	SARS-CoV-2	Transport Medium	3.27 dPCR Log10 Copies/ml (D1, DS1_2)	Frequently Detected	CORE	97.4	497



# Individual Report

# QCMD 2020 SARS-CoV-2 EQA Programme



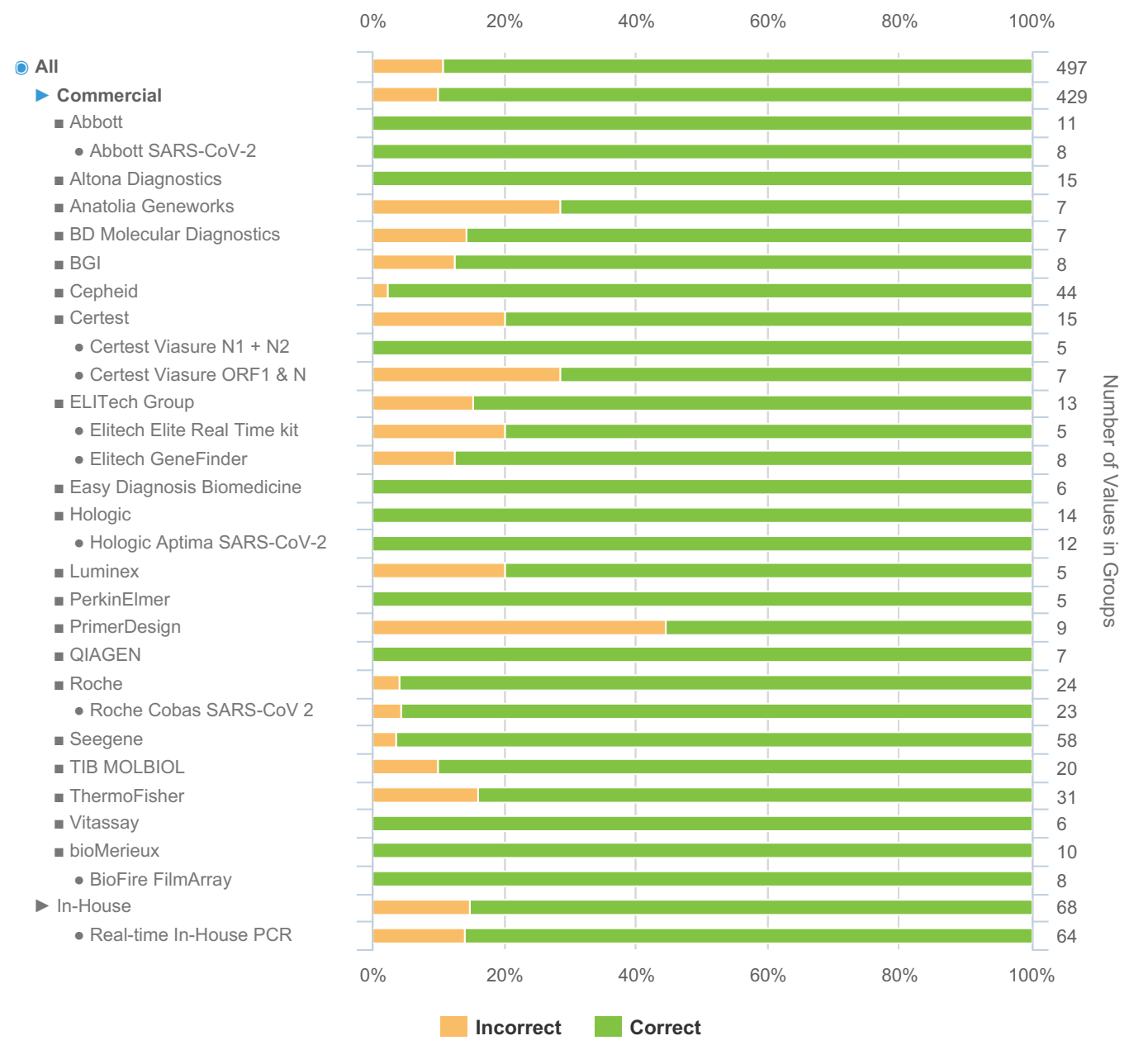
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**Groups below n=5:** AB Analytica (n=4), AB Analytica - AB Analytica REALQUALITY RQ (n=4), ABL (n=1), ABL - ABL UltraGene (n=1), AITbiotech (n=3), AITbiotech - AITbiotech abTES COVID-19 (n=3), Abbott - Abbott Alinity SARS-CoV-2 (n=3), Adaltis (n=2), Adaltis - Adaltis MOLgen SARS-CoV-2 (n=2), Amoy Diagnostics (n=1), Amoy Diagnostics - AmoyDx Novel Coronavirus (n=1), AmpliSens (n=1), AmpliSens - AmpliSens CoV-Bat\_FRT (n=1), Anchor Diagnostics (n=3), Anchor Diagnostics - Anchor Diagnostics SARS CoV-2 (n=3), Astra Biotech (n=2), Astra Biotech - Astra Biotech SARS-CoV-2 (n=2), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics SARS-CoV-2 (n=1), Bio-Rad (n=1), Bio-Rad - Bio-Rad SARS-CoV-2 (n=1), BioGX (n=1), BioGX - BioGX SARS-CoV-2 (n=1), Biocore Technologies (n=2), Biocore Technologies - Biocore SARS-CoV-2 (n=2), Bioeksen (n=1), Bioeksen - Bioeksen Biospeedy SARS-CoV-2 (n=1), Bioer Technologies (n=3), Bioer Technologies - Bioer SARS-CoV-2 (n=3), Bioline (n=1), Bioline - Bioline SensiFast (n=1), Bioneer (n=3), Bioneer - Bioneer Accupower SARS-CoV-2 (n=3), Bosch (n=1), Bosch - Bosch Vivalytic SARS-CoV-2 (n=1), CDC (n=2), CDC - CDC SARS-CoV-2 (n=2), Certest - Certest Viasure S (n=3), Chronomics (n=1), Chronomics - Chronomics COVID 19 (n=1), Clonit (n=4), Clonit - Clonit Real Time PCR (n=4), Co-Diagnostics Inc (n=2), Co-Diagnostics Inc - Co-Diagnostics Inc Logix Smart (n=2), Convergent Technologies (n=2), Convergent Technologies - Convergys COVID 19 (n=2), DAAN GENE (n=3), DAAN GENE - DAAN Gene Covid-19 (n=3), DNA-Technology Russia (n=1), DNA-Technology Russia - DNA-Technology Covid-19 (n=1), DS Bio Nano Technology (n=1), DS Bio Nano Technology - DS CORONEX COVID-19 (n=1), DiaSorin (n=2), DiaSorin - DiaSorin Simplexa (n=2), Diagenode (n=1), Diagenode - Diagenode Real-Time PCR (n=1), Diatech Pharmacogenetics (n=1), Diatech Pharmacogenetics - Diatech Easy SARS-CoV-2 (n=1), Diatheva (n=1), Diatheva - Diatheva COVID-19 (n=1), EUROIMMUN (n=2), EUROIMMUN - EURO RealTime SARS-CoV-2 (n=2), Elisabeth Pharmacon (n=1), Elisabeth Pharmacon - EliGene COVID19 CONFIRM RT (n=1), GeneFirst (n=1), GeneFirst - GeneFirst Covid-19 (n=1), GeneOne Diagnostics Corporation (n=1), GeneOne Diagnostics Corporation - GeneOne COVID-19 (n=1), Genematrix (n=1), Genematrix - Genematrix NeoPlex (n=1), Gold Standard Diagnostics (n=2), Gold Standard Diagnostics - GSD NovaPrime SARS-CoV-2 (n=2), Grifols (n=1), Grifols - Grifols Procleix SARS-CoV-2 (n=1), Guangdong Huayin Medicine Science (n=1), Guangdong Huayin Medicine Science - Guangdong Huayin Real Time PCR (n=1), Hain Lifescience (n=1), Hain Lifescience - Hain Lifescience SARS-CoV-2 plus (n=1), Hologic - Hologic Panther Fusion (n=2), HybriBio Limited (n=1), HybriBio Limited - HybriBio Real-Time PCR Kit (n=1), Imegen (n=2), Imegen - Imegen SARS-CoV-2 (n=2), Immundiagnostik (n=1), Immundiagnostik - Immundiagnostik MutaPLEX (n=1), Innocreate Bioscience (n=1), Innocreate Bioscience - Innocreate Bioscience SARS-CoV-2 (n=1), Kogene Biotech (n=2), Kogene Biotech - Kogene Powerchek (n=2), KrosGen (n=1), KrosGen - KrosGen KrosQuant SARS-CoV-2 (n=1), LiliF Diagnostic (n=1), LiliF Diagnostic - LiliF Diagnostic COVID-19 (n=1), Maccura Biotechnology (n=1), Maccura Biotechnology - Maccura SARS-CoV-2 (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Master Diagnostica - Master Diagnostica SARS-CoV-2 (n=2), Medicofarma (n=2), Medicofarma - Medicofarma MediPAN COVID SARS-CoV-2 (n=2), Mobidiag (n=3), Mobidiag - Mobidiag Amplidiag (n=1), Mobidiag - Mobidiag Novodiag (n=2), NZYTEch (n=1), NZYTEch - NZYTEch SARS-CoV-2 (n=1), PathoFinder (n=4), PathoFinder - PathoFinder RealAccurate SARS-CoV-2 (n=4), PentaBase (n=3), PentaBase - PentaBase CoviDetect (n=3), Procomcure Biotech (n=1), Procomcure Biotech - Procomcure Biotech PhoenixDx SARS-CoV-2 (n=1), QIAGEN - Qiagen NeuMoDx (n=4), QIAGEN - Qiagen QIAsat-Dx (n=2), QIAGEN - Qiagen Real Time PCR (n=1), R-Biopharm (n=1), R-Biopharm - R-Biopharm RIDA Gene (n=1), Roche - Roche LightCycler Multiplex RNA Virus (n=1), SD BioSensor (n=1), SD BioSensor - SD BioSensor SARS-CoV-2 (n=1), Sacace (n=3), Sacace - Sacace SARS-CoV-2 (n=3), Seasun Biomaterials (n=1), Seasun Biomaterials - Seasun Biomaterials U-Top Covid-19 (n=1), Sentebiolab (n=1), Sentebiolab - Sentebiolab Senteligo SARS-CoV-2 (n=1), Shanghai Focusgen (n=1), Shanghai Focusgen - Shanghai Focusgen Real-Time PCR (n=1), Shanghai Fosun Pharmaceutical (n=1), Shanghai Fosun Pharmaceutical - Shanghai Fosun Real Time PCR (n=1), Solis BioDyne (n=1), Solis BioDyne - Solis BioDyne SARS-CoV-2 (n=1), Ukrainian Genetic Technologies (n=1), Ukrainian Genetic Technologies - Ukrainian Genetic Technologies COVID-19 (n=1), Vazyme (n=1), Vazyme - Vazyme SARS-CoV-2 (n=1), Vector Best (n=2), Vector Best - Vector Best SARS-CoV-2 (n=2), Veredus laboratories (n=1), Veredus laboratories - Veredus SARS-CoV-2 (n=1), ViennaLab Diagnostics (n=1), ViennaLab Diagnostics - ViennaLab SARS-CoV-2 RealFast (n=1), Yourgene Health (n=1), Yourgene Health - Yourgene Health Clarigene SARS-CoV-2 (n=1), ZJ Bio-Tech (n=2), ZJ Bio-Tech - ZJ Bio-Tech RT PCR (n=2), Zybio (n=1), Zybio - Zybio SARS-CoV-2 (n=1), bioMerieux - bioMerieux R-gene SARS-CoV-2 (n=2), fast-track DIAGNOSTICS (n=4), fast-track DIAGNOSTICS - FTD real time PCR (n=4), In-House - Conventional In-House PCR (n=4)

**Groups Rolled Up:** Altona Diagnostics - Altona Diagnostics RealStar (n=15), Anatolia Geneworks - Anatolia Geneworks Bosphore nCoV (n=7), BD Molecular Diagnostics - BD SARS-CoV-2 (n=7), BGI - BGI Real Time PCR (n=8), Cepheid - Cepheid Xpert SARS-CoV-2 (n=44), Easy Diagnosis Biomedicine - EasyDiagnosis SARS-CoV-2 (n=6), Lumindex - Lumindex ARIES (n=5), PerkinElmer - PerkinElmer SARS-CoV-2 Real Time PCR (n=5), PrimerDesign - PrimerDesign Genesig (n=9), Seegene - Seegene Allplex SARS-CoV-2 (n=58), TIB MOLBIOL - TIB MOLBIOL LightMix (n=20), ThermoFisher - ThermoFisher TaqPath COVID-19 (n=31), Vitassay - Vitassay SARS-CoV-2 (n=6)

**SCV2\_101S-06 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
SCV2_101S-06	SARS-CoV-2	Transport Medium	2.48 dPCR Log10 Copies/ml (D3, DS1_4)	Detected	CORE	89.3	497



# Individual Report

# QCMD 2020 SARS-CoV-2 EQA Programme



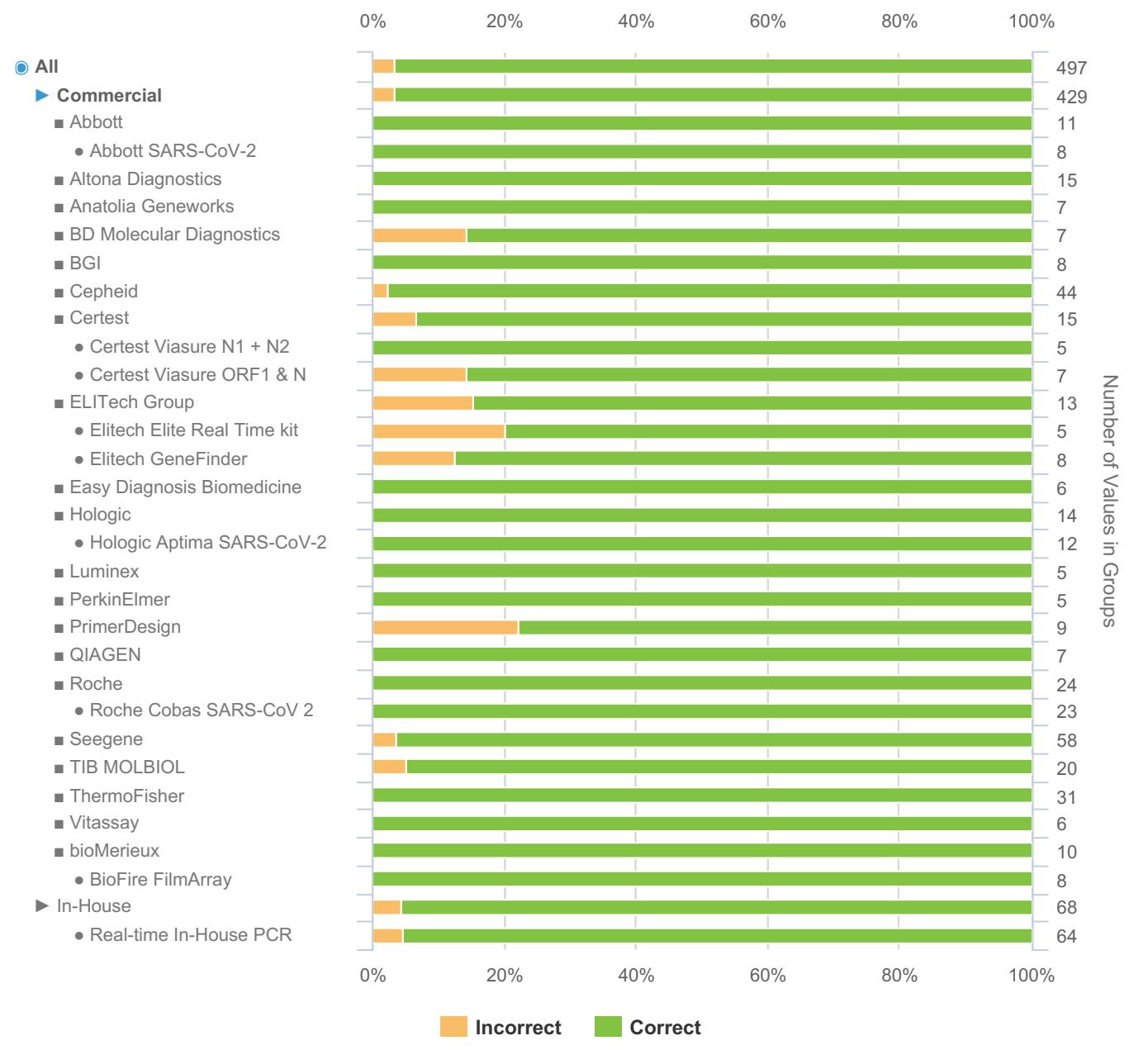
<b>Catalogue Code:</b> QAV204215	<b>Ref Code:</b> SCV2_20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative	<b>Dataset:</b> 399073	<b>Report UID:</b> 11738/399073/3134	<b>Laboratory:</b> ES136
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**Groups below n=5:** AB Analytica (n=4), AB Analytica - AB Analytica REALQUALITY RQ (n=4), ABL (n=1), ABL - ABL UltraGene (n=1), AITbiotech (n=3), AITbiotech - AITbiotech abTES COVID-19 (n=3), Abbott - Abbott Alinity SARS-CoV-2 (n=3), Adaltis (n=2), Adaltis - Adaltis MOLgen SARS-CoV-2 (n=2), Amoy Diagnostics (n=1), Amoy Diagnostics - AmoyDx Novel Coronavirus (n=1), AmpliSens (n=1), AmpliSens - AmpliSens CoV-Bat\_FRT (n=1), Anchor Diagnostics (n=3), Anchor Diagnostics - Anchor Diagnostics SARS CoV-2 (n=3), Astra Biotech (n=2), Astra Biotech - Astra Biotech SARS-CoV-2 (n=2), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics SARS-CoV-2 (n=1), Bio-Rad (n=1), Bio-Rad - Bio-Rad SARS-CoV-2 (n=1), BioGX (n=1), BioGX - BioGX SARS-CoV-2 (n=1), Biocore Technologies (n=2), Biocore Technologies - Biocore SARS-CoV-2 (n=2), Bioeksen (n=1), Bioeksen - Bioeksen Biospeedy SARS-CoV-2 (n=1), Bioer Technologies (n=3), Bioer Technologies - Bioer SARS-CoV-2 (n=3), Bioline (n=1), Bioline - Bioline SensiFast (n=1), Bioneer (n=3), Bioneer - Bioneer Accupower SARS-CoV-2 (n=3), Bosch (n=1), Bosch - Bosch Vivalytic SARS-CoV-2 (n=1), CDC (n=2), CDC - CDC SARS-CoV-2 (n=2), Certest - Certest Viasure S (n=3), Chronomics (n=1), Chronomics - Chronomics COVID 19 (n=1), Clonit (n=4), Clonit - Clonit Real Time PCR (n=4), Co-Diagnostics Inc (n=2), Co-Diagnostics Inc - Co-Diagnostics Inc Logix Smart (n=2), Convergent Technologies (n=2), Convergent Technologies - Convergys COVID 19 (n=2), DAAN GENE (n=3), DAAN GENE - DAAN Gene Covid-19 (n=3), DNA-Technology Russia (n=1), DNA-Technology Russia - DNA-Technology Covid-19 (n=1), DS Bio Nano Technology (n=1), DS Bio Nano Technology - DS CORONEX COVID-19 (n=1), DiaSorin (n=2), DiaSorin - DiaSorin Simplexa (n=2), Diagenode (n=1), Diagenode - Diagenode Real-Time PCR (n=1), Diatech Pharmacogenetics (n=1), Diatech Pharmacogenetics - Diatech Easy SARS-CoV-2 (n=1), Diatheva (n=1), Diatheva - Diatheva COVID-19 (n=1), EUROIMMUN (n=2), EUROIMMUN - EURO RealTime SARS-CoV-2 (n=2), Elisabeth Pharmacon (n=1), Elisabeth Pharmacon - EliGene COVID19 CONFIRM RT (n=1), GeneFirst (n=1), GeneFirst - GeneFirst Covid-19 (n=1), GeneOne Diagnostics Corporation (n=1), GeneOne Diagnostics Corporation - GeneOne COVID-19 (n=1), Genematrix (n=1), Genematrix - Genematrix NeoPlex (n=1), Gold Standard Diagnostics (n=2), Gold Standard Diagnostics - GSD NovaPrime SARS-CoV-2 (n=2), Grifols (n=1), Grifols - Grifols Procleix SARS-CoV-2 (n=1), Guangdong Huayin Medicine Science (n=1), Guangdong Huayin Medicine Science - Guangdong Huayin Real Time PCR (n=1), Hain Lifescience (n=1), Hain Lifescience - Hain Lifescience SARS-CoV-2 plus (n=1), Hologic - Hologic Panther Fusion (n=2), HybriBio Limited (n=1), HybriBio Limited - HybriBio Real-Time PCR Kit (n=1), Imegen (n=2), Imegen - Imegen SARS-CoV-2 (n=2), Immundiagnostik (n=1), Immundiagnostik - Immundiagnostik MutaPLEX (n=1), Innocreate Bioscience (n=1), Innocreate Bioscience - Innocreate Bioscience SARS-CoV-2 (n=1), Kogene Biotech (n=2), Kogene Biotech - Kogene Powerchek (n=2), KrosGen (n=1), KrosGen - KrosGen KrosQuant SARS-CoV-2 (n=1), LiliF Diagnostic (n=1), LiliF Diagnostic - LiliF Diagnostic COVID-19 (n=1), Maccura Biotechnology (n=1), Maccura Biotechnology - Maccura SARS-CoV-2 (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Master Diagnostica - Master Diagnostica SARS-CoV-2 (n=2), Medicofarma (n=2), Medicofarma - Medicofarma MediPAN COVID SARS-CoV-2 (n=2), Mobidiag (n=3), Mobidiag - Mobidiag Amplidiag (n=1), Mobidiag - Mobidiag Novodiag (n=2), NZYTEch (n=1), NZYTEch - NZYTEch SARS-CoV-2 (n=1), PathoFinder (n=4), PathoFinder - PathoFinder RealAccurate SARS-CoV-2 (n=4), PentaBase (n=3), PentaBase - PentaBase CoviDetect (n=3), Procomcure Biotech (n=1), Procomcure Biotech - Procomcure Biotech PhoenixDx SARS-CoV-2 (n=1), QIAGEN - Qiagen NeuMoDx (n=4), QIAGEN - Qiagen QIAtat-Dx (n=2), QIAGEN - Qiagen Real Time PCR (n=1), R-Biopharm (n=1), R-Biopharm - R-Biopharm RIDA Gene (n=1), Roche - Roche LightCycler Multiplex RNA Virus (n=1), SD BioSensor (n=1), SD BioSensor - SD BioSensor SARS-CoV-2 (n=1), Sacace (n=3), Sacace - Sacace SARS-CoV-2 (n=3), Seasun Biomaterials (n=1), Seasun Biomaterials - Seasun Biomaterials U-Top Covid-19 (n=1), Sentebiolab (n=1), Sentebiolab - Sentebiolab Senteligo SARS-CoV-2 (n=1), Shanghai Focusgen (n=1), Shanghai Focusgen - Shanghai Focusgen Real-Time PCR (n=1), Shanghai Fosun Pharmaceutical (n=1), Shanghai Fosun Pharmaceutical - Shanghai Fosun Real Time PCR (n=1), Solis BioDyne (n=1), Solis BioDyne - Solis BioDyne SARS-CoV-2 (n=1), Ukrainian Genetic Technologies (n=1), Ukrainian Genetic Technologies - Ukrainian Genetic Technologies COVID-19 (n=1), Vazyme (n=1), Vazyme - Vazyme SARS-CoV-2 (n=1), Vector Best (n=2), Vector Best - Vector Best SARS-CoV-2 (n=2), Veredus laboratories (n=1), Veredus laboratories - Veredus SARS-CoV-2 (n=1), ViennaLab Diagnostics (n=1), ViennaLab Diagnostics - ViennaLab SARS-CoV-2 RealFast (n=1), Yourgene Health (n=1), Yourgene Health - Yourgene Health Clarigene SARS-CoV-2 (n=1), ZJ Bio-Tech (n=2), ZJ Bio-Tech - ZJ Bio-Tech RT PCR (n=2), Zybio (n=1), Zybio - Zybio SARS-CoV-2 (n=1), bioMerieux - bioMerieux R-gene SARS-CoV-2 (n=2), fast-track DIAGNOSTICS (n=4), fast-track DIAGNOSTICS - FTD real time PCR (n=4), In-House - Conventional In-House PCR (n=4)

**Groups Rolled Up:** Altona Diagnostics - Altona Diagnostics RealStar (n=15), Anatolia Geneworks - Anatolia Geneworks Bosphore nCoV (n=7), BD Molecular Diagnostics - BD SARS-CoV-2 (n=7), BGI - BGI Real Time PCR (n=8), Cepheid - Cepheid Xpert SARS-CoV-2 (n=44), Easy Diagnosis Biomedicine - EasyDiagnosis SARS-CoV-2 (n=6), Lumindex - Lumindex ARIES (n=5), PerkinElmer - PerkinElmer SARS-CoV-2 Real Time PCR (n=5), PrimerDesign - PrimerDesign Genesig (n=9), Seegene - Seegene Allplex SARS-CoV-2 (n=58), TIB MOLBIOL - TIB MOLBIOL LightMix (n=20), ThermoFisher - ThermoFisher TaqPath COVID-19 (n=31), Vitassay - Vitassay SARS-CoV-2 (n=6)

**SCV2\_101S-07 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
SCV2_101S-07	SARS-CoV-2	Transport Medium	3.27 dPCR Log10 Copies/ml (D1, DS1_2)	Frequently Detected	CORE	96.6	497



# Individual Report

# QCMD 2020 SARS-CoV-2 EQA Programme



<b>Catalogue Code:</b> QAV204215	<b>Ref Code:</b> SCV2_20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative	<b>Dataset:</b> 399073	<b>Report UID:</b> 11738/399073/3134	<b>Laboratory:</b> ES136
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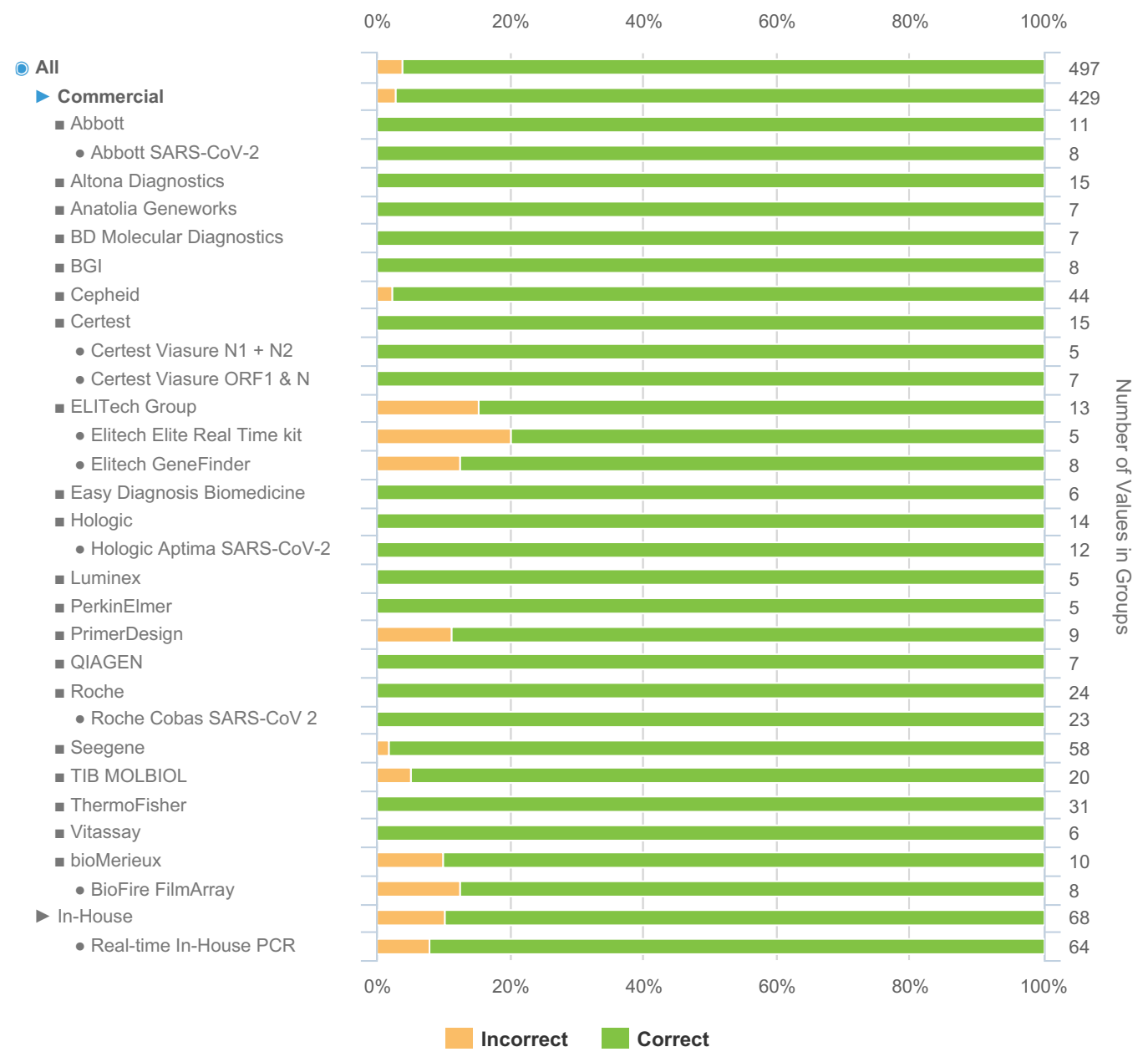
**Groups below n=5:** AB Analytica (n=4), AB Analytica - AB Analytica REALQUALITY RQ (n=4), ABL (n=1), ABL - ABL UltraGene (n=1), AITbiotech (n=3), AITbiotech - AITbiotech abTES COVID-19 (n=3), Abbott - Abbott Alinity SARS-CoV-2 (n=3), Adaltis (n=2), Adaltis - Adaltis MOLgen SARS-CoV-2 (n=2), Amoy Diagnostics (n=1), Amoy Diagnostics - AmoyDx Novel Coronavirus (n=1), AmpliSens (n=1), AmpliSens - AmpliSens CoV-Bat\_FRT (n=1), Anchor Diagnostics (n=3), Anchor Diagnostics - Anchor Diagnostics SARS CoV-2 (n=3), Astra Biotech (n=2), Astra Biotech - Astra Biotech SARS-CoV-2 (n=2), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics SARS-CoV-2 (n=1), Bio-Rad (n=1), Bio-Rad - Bio-Rad SARS-CoV-2 (n=1), BioGX (n=1), BioGX - BioGX SARS-CoV-2 (n=1), Biocore Technologies (n=2), Biocore Technologies - Biocore SARS-CoV-2 (n=2), Bioeksen (n=1), Bioeksen - Bioeksen Biospeedy SARS-CoV-2 (n=1), Bioer Technologies (n=3), Bioer Technologies - Bioer SARS-CoV-2 (n=3), Bioline (n=1), Bioline - Bioline SensiFast (n=1), Bioneer (n=3), Bioneer - Bioneer Accupower SARS-CoV-2 (n=3), Bosch (n=1), Bosch - Bosch Vivalytic SARS-CoV-2 (n=1), CDC (n=2), CDC - CDC SARS-CoV-2 (n=2), Certest - Certest Viasure S (n=3), Chronomics (n=1), Chronomics - Chronomics COVID 19 (n=1), Clonit (n=4), Clonit - Clonit Real Time PCR (n=4), Co-Diagnostics Inc (n=2), Co-Diagnostics Inc - Co-Diagnostics Inc Logix Smart (n=2), Convergent Technologies (n=2), Convergent Technologies - Convergys COVID 19 (n=2), DAAN GENE (n=3), DAAN GENE - DAAN Gene Covid-19 (n=3), DNA-Technology Russia (n=1), DNA-Technology Russia - DNA-Technology Covid-19 (n=1), DS Bio Nano Technology (n=1), DS Bio Nano Technology - DS CORONEX COVID-19 (n=1), DiaSorin (n=2), DiaSorin - DiaSorin Simplexa (n=2), Diagenode (n=1), Diagenode - Diagenode Real-Time PCR (n=1), Diatech Pharmacogenetics (n=1), Diatech Pharmacogenetics - Diatech Easy SARS-CoV-2 (n=1), Diatheva (n=1), Diatheva - Diatheva COVID-19 (n=1), EUROIMMUN (n=2), EUROIMMUN - EURO RealTime SARS-CoV-2 (n=2), Elisabeth Pharmacon (n=1), Elisabeth Pharmacon - EliGene COVID19 CONFIRM RT (n=1), GeneFirst (n=1), GeneFirst - GeneFirst Covid-19 (n=1), GeneOne Diagnostics Corporation (n=1), GeneOne Diagnostics Corporation - GeneOne COVID-19 (n=1), Genematrix (n=1), Genematrix - Genematrix NeoPlex (n=1), Gold Standard Diagnostics (n=2), Gold Standard Diagnostics - GSD NovaPrime SARS-CoV-2 (n=2), Grifols (n=1), Grifols - Grifols Procleix SARS-CoV-2 (n=1), Guangdong Huayin Medicine Science (n=1), Guangdong Huayin Medicine Science - Guangdong Huayin Real Time PCR (n=1), Hain Lifescience (n=1), Hain Lifescience - Hain Lifescience SARS-CoV-2 plus (n=1), Hologic - Hologic Panther Fusion (n=2), HybriBio Limited (n=1), HybriBio Limited - HybriBio Real-Time PCR Kit (n=1), Imegen (n=2), Imegen - Imegen SARS-CoV-2 (n=2), Immundiagnostik (n=1), Immundiagnostik - Immundiagnostik MutaPLEX (n=1), Innocreate Bioscience (n=1), Innocreate Bioscience - Innocreate Bioscience SARS-CoV-2 (n=1), Kogene Biotech (n=2), Kogene Biotech - Kogene Powerchek (n=2), KrosGen (n=1), KrosGen - KrosGen KrosQuant SARS-CoV-2 (n=1), LiliF Diagnostic (n=1), LiliF Diagnostic - LiliF Diagnostic COVID-19 (n=1), Maccura Biotechnology (n=1), Maccura Biotechnology - Maccura SARS-CoV-2 (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Master Diagnostica - Master Diagnostica SARS-CoV-2 (n=2), Medicofarma (n=2), Medicofarma - Medicofarma MediPAN COVID SARS-CoV-2 (n=2), Mobidiag (n=3), Mobidiag - Mobidiag Amplidiag (n=1), Mobidiag - Mobidiag Novodiag (n=2), NZYTEch (n=1), NZYTEch - NZYTEch SARS-CoV-2 (n=1), PathoFinder (n=4), PathoFinder - PathoFinder RealAccurate SARS-CoV-2 (n=4), PentaBase (n=3), PentaBase - PentaBase CoviDetect (n=3), Procomcure Biotech (n=1), Procomcure Biotech - Procomcure Biotech PhoenixDx SARS-CoV-2 (n=1), QIAGEN - Qiagen NeuMoDx (n=4), QIAGEN - Qiagen QIAtat-Dx (n=2), QIAGEN - Qiagen Real Time PCR (n=1), R-Biopharm (n=1), R-Biopharm - R-Biopharm RIDA Gene (n=1), Roche - Roche LightCycler Multiplex RNA Virus (n=1), SD BioSensor (n=1), SD BioSensor - SD BioSensor SARS-CoV-2 (n=1), Sacace (n=3), Sacace - Sacace SARS-CoV-2 (n=3), Seasun Biomaterials (n=1), Seasun Biomaterials - Seasun Biomaterials U-Top Covid-19 (n=1), Sentebiolab (n=1), Sentebiolab - Sentebiolab Senteligo SARS-CoV-2 (n=1), Shanghai Focusgen (n=1), Shanghai Focusgen - Shanghai Focusgen Real-Time PCR (n=1), Shanghai Fosun Pharmaceutical (n=1), Shanghai Fosun Pharmaceutical - Shanghai Fosun Real Time PCR (n=1), Solis BioDyne (n=1), Solis BioDyne - Solis BioDyne SARS-CoV-2 (n=1), Ukrainian Genetic Technologies (n=1), Ukrainian Genetic Technologies - Ukrainian Genetic Technologies COVID-19 (n=1), Vazyme (n=1), Vazyme - Vazyme SARS-CoV-2 (n=1), Vector Best (n=2), Vector Best - Vector Best SARS-CoV-2 (n=2), Veredus laboratories (n=1), Veredus laboratories - Veredus SARS-CoV-2 (n=1), ViennaLab Diagnostics (n=1), ViennaLab Diagnostics - ViennaLab SARS-CoV-2 RealFast (n=1), Yourgene Health (n=1), Yourgene Health - Yourgene Health Clarigene SARS-CoV-2 (n=1), ZJ Bio-Tech (n=2), ZJ Bio-Tech - ZJ Bio-Tech RT PCR (n=2), Zybio (n=1), Zybio - Zybio SARS-CoV-2 (n=1), bioMerieux - bioMerieux R-gene SARS-CoV-2 (n=2), fast-track DIAGNOSTICS (n=4), fast-track DIAGNOSTICS - FTD real time PCR (n=4), In-House - Conventional In-House PCR (n=4)

**Groups Rolled Up:** Altona Diagnostics - Altona Diagnostics RealStar (n=15), Anatolia Geneworks - Anatolia Geneworks Bosphore nCoV (n=7), BD Molecular Diagnostics - BD SARS-CoV-2 (n=7), BGI - BGI Real Time PCR (n=8), Cepheid - Cepheid Xpert SARS-CoV-2 (n=44), Easy Diagnosis Biomedicine - EasyDiagnosis SARS-CoV-2 (n=6), Lumindex - Lumindex ARIES (n=5), PerkinElmer - PerkinElmer SARS-CoV-2 Real Time PCR (n=5), PrimerDesign - PrimerDesign Genesig (n=9), Seegene - Seegene Allplex SARS-CoV-2 (n=58), TIB MOLBIOL - TIB MOLBIOL LightMix (n=20), ThermoFisher - ThermoFisher TaqPath COVID-19 (n=31), Vitassay - Vitassay SARS-CoV-2 (n=6)



**SCV2\_101S-08 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
SCV2_101S-08	SARS-CoV-2	Transport Medium	3.16 dPCR Log10 Copies/ml (D2, DS1_3)	Frequently Detected	CORE	96.2	497



# Individual Report

# QCMD 2020 SARS-CoV-2 EQA Programme



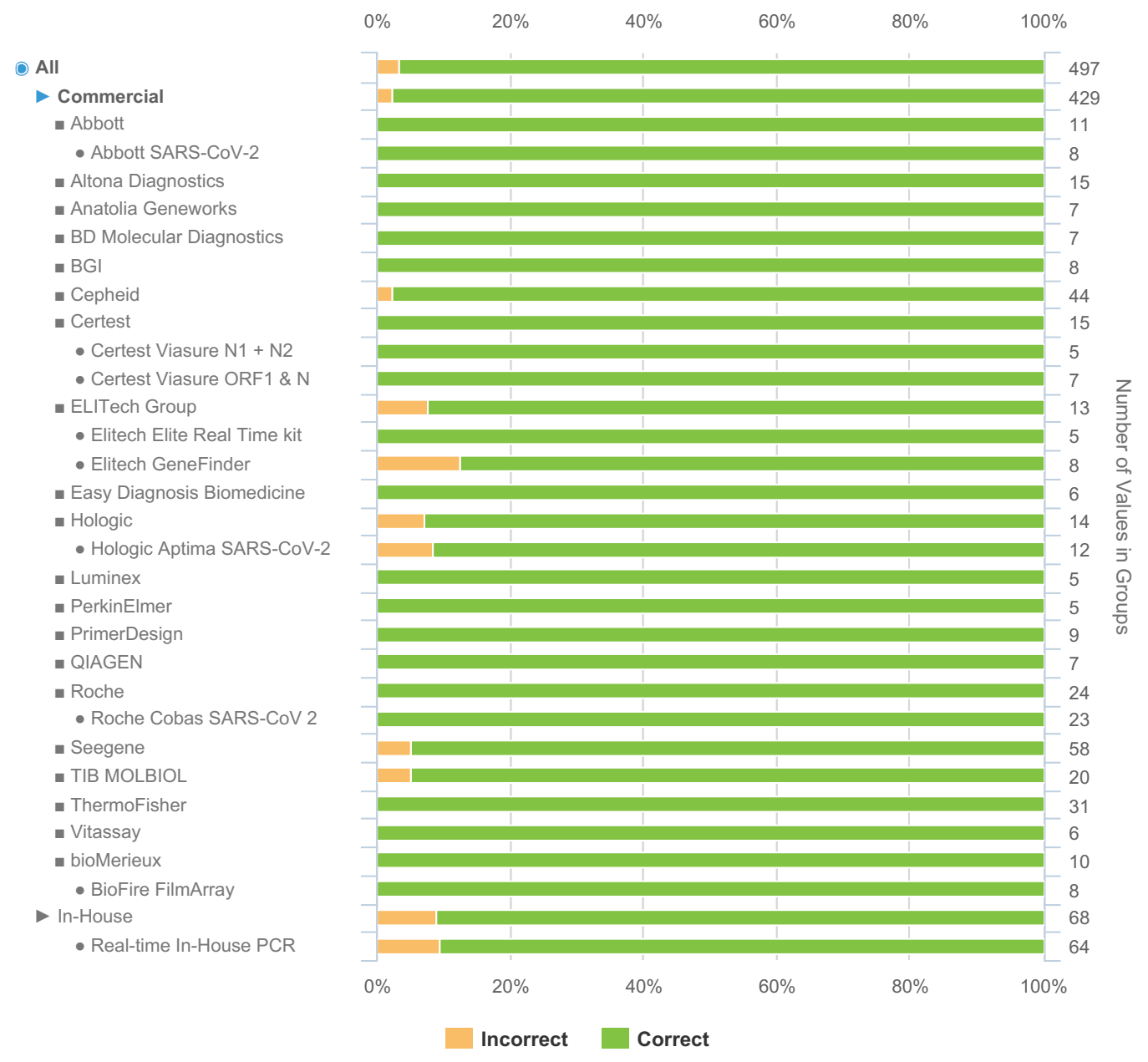
<b>Catalogue Code:</b> QAV204215	<b>Ref Code:</b> SCV2_20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative	<b>Dataset:</b> 399073	<b>Report UID:</b> 11738/399073/3134	<b>Laboratory:</b> ES136
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**Groups below n=5:** AB Analytica (n=4), AB Analytica - AB Analytica REALQUALITY RQ (n=4), ABL (n=1), ABL - ABL UltraGene (n=1), AITbiotech (n=3), AITbiotech - AITbiotech abTES COVID-19 (n=3), Abbott - Abbott Alinity SARS-CoV-2 (n=3), Adaltis (n=2), Adaltis - Adaltis MOLgen SARS-CoV-2 (n=2), Amoy Diagnostics (n=1), Amoy Diagnostics - AmoyDx Novel Coronavirus (n=1), AmpliSens (n=1), AmpliSens - AmpliSens CoV-Bat\_FRT (n=1), Anchor Diagnostics (n=3), Anchor Diagnostics - Anchor Diagnostics SARS CoV-2 (n=3), Astra Biotech (n=2), Astra Biotech - Astra Biotech SARS-CoV-2 (n=2), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics SARS-CoV-2 (n=1), Bio-Rad (n=1), Bio-Rad - Bio-Rad SARS-CoV-2 (n=1), BioGX (n=1), BioGX - BioGX SARS-CoV-2 (n=1), Biocore Technologies (n=2), Biocore Technologies - Biocore SARS-CoV-2 (n=2), Bioeksen (n=1), Bioeksen - Bioeksen Biospeedy SARS-CoV-2 (n=1), Bioer Technologies (n=3), Bioer Technologies - Bioer SARS-CoV-2 (n=3), Bioline (n=1), Bioline - Bioline SensiFast (n=1), Bioneer (n=3), Bioneer - Bioneer Accupower SARS-CoV-2 (n=3), Bosch (n=1), Bosch - Bosch Vivalytic SARS-CoV-2 (n=1), CDC (n=2), CDC - CDC SARS-CoV-2 (n=2), Certest - Certest Viasure S (n=3), Chronomics (n=1), Chronomics - Chronomics COVID 19 (n=1), Clonit (n=4), Clonit - Clonit Real Time PCR (n=4), Co-Diagnostics Inc (n=2), Co-Diagnostics Inc - Co-Diagnostics Inc Logix Smart (n=2), Convergent Technologies (n=2), Convergent Technologies - Convergys COVID 19 (n=2), DAAN GENE (n=3), DAAN GENE - DAAN Gene Covid-19 (n=3), DNA-Technology Russia (n=1), DNA-Technology Russia - DNA-Technology Covid-19 (n=1), DS Bio Nano Technology (n=1), DS Bio Nano Technology - DS CORONEX COVID-19 (n=1), DiaSorin (n=2), DiaSorin - DiaSorin Simplexa (n=2), Diagenode (n=1), Diagenode - Diagenode Real-Time PCR (n=1), Diatech Pharmacogenetics (n=1), Diatech Pharmacogenetics - Diatech Easy SARS-CoV-2 (n=1), Diatheva (n=1), Diatheva - Diatheva COVID-19 (n=1), EUROIMMUN (n=2), EUROIMMUN - EURO RealTime SARS-CoV-2 (n=2), Elisabeth Pharmacon (n=1), Elisabeth Pharmacon - EliGene COVID19 CONFIRM RT (n=1), GeneFirst (n=1), GeneFirst - GeneFirst Covid-19 (n=1), GeneOne Diagnostics Corporation (n=1), GeneOne Diagnostics Corporation - GeneOne COVID-19 (n=1), Genematrix (n=1), Genematrix - Genematrix NeoPlex (n=1), Gold Standard Diagnostics (n=2), Gold Standard Diagnostics - GSD NovaPrime SARS-CoV-2 (n=2), Grifols (n=1), Grifols - Grifols Procleix SARS-CoV-2 (n=1), Guangdong Huayin Medicine Science (n=1), Guangdong Huayin Medicine Science - Guangdong Huayin Real Time PCR (n=1), Hain Lifescience (n=1), Hain Lifescience - Hain Lifescience SARS-CoV-2 plus (n=1), Hologic - Hologic Panther Fusion (n=2), HybriBio Limited (n=1), HybriBio Limited - HybriBio Real-Time PCR Kit (n=1), Imegen (n=2), Imegen - Imegen SARS-CoV-2 (n=2), Immundiagnostik (n=1), Immundiagnostik - Immundiagnostik MutaPLEX (n=1), Innocreate Bioscience (n=1), Innocreate Bioscience - Innocreate Bioscience SARS-CoV-2 (n=1), Kogene Biotech (n=2), Kogene Biotech - Kogene Powerchek (n=2), KrosGen (n=1), KrosGen - KrosGen KrosQuant SARS-CoV-2 (n=1), LiliF Diagnostic (n=1), LiliF Diagnostic - LiliF Diagnostic COVID-19 (n=1), Maccura Biotechnology (n=1), Maccura Biotechnology - Maccura SARS-CoV-2 (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Master Diagnostica - Master Diagnostica SARS-CoV-2 (n=2), Medicofarma (n=2), Medicofarma - Medicofarma MediPAN COVID SARS-CoV-2 (n=2), Mobidiag (n=3), Mobidiag - Mobidiag Amplidiag (n=1), Mobidiag - Mobidiag Novodiag (n=2), NZYTEch (n=1), NZYTEch - NZYTEch SARS-CoV-2 (n=1), PathoFinder (n=4), PathoFinder - PathoFinder RealAccurate SARS-CoV-2 (n=4), PentaBase (n=3), PentaBase - PentaBase CoviDetect (n=3), Procomcure Biotech (n=1), Procomcure Biotech - Procomcure Biotech PhoenixDx SARS-CoV-2 (n=1), QIAGEN - Qiagen NeuMoDx (n=4), QIAGEN - Qiagen QIStat-Dx (n=2), QIAGEN - Qiagen Real Time PCR (n=1), R-Biopharm (n=1), R-Biopharm - R-Biopharm RIDA Gene (n=1), Roche - Roche LightCycler Multiplex RNA Virus (n=1), SD BioSensor (n=1), SD BioSensor - SD BioSensor SARS-CoV-2 (n=1), Sacace (n=3), Sacace - Sacace SARS-CoV-2 (n=3), Seasun Biomaterials (n=1), Seasun Biomaterials - Seasun Biomaterials U-Top Covid-19 (n=1), Sentebiolab (n=1), Sentebiolab - Sentebiolab Senteligo SARS-CoV-2 (n=1), Shanghai Focusgen (n=1), Shanghai Focusgen - Shanghai Focusgen Real-Time PCR (n=1), Shanghai Fosun Pharmaceutical (n=1), Shanghai Fosun Pharmaceutical - Shanghai Fosun Real Time PCR (n=1), Solis BioDyne (n=1), Solis BioDyne - Solis BioDyne SARS-CoV-2 (n=1), Ukrainian Genetic Technologies (n=1), Ukrainian Genetic Technologies - Ukrainian Genetic Technologies COVID-19 (n=1), Vazyme (n=1), Vazyme - Vazyme SARS-CoV-2 (n=1), Vector Best (n=2), Vector Best - Vector Best SARS-CoV-2 (n=2), Veredus laboratories (n=1), Veredus laboratories - Veredus SARS-CoV-2 (n=1), ViennaLab Diagnostics (n=1), ViennaLab Diagnostics - ViennaLab SARS-CoV-2 RealFast (n=1), Yourgene Health (n=1), Yourgene Health - Yourgene Health Clarigene SARS-CoV-2 (n=1), ZJ Bio-Tech (n=2), ZJ Bio-Tech - ZJ Bio-Tech RT PCR (n=2), Zybio (n=1), Zybio - Zybio SARS-CoV-2 (n=1), bioMerieux - bioMerieux R-gene SARS-CoV-2 (n=2), fast-track DIAGNOSTICS (n=4), fast-track DIAGNOSTICS - FTD real time PCR (n=4), In-House - Conventional In-House PCR (n=4)

**Groups Rolled Up:** Altona Diagnostics - Altona Diagnostics RealStar (n=15), Anatolia Geneworks - Anatolia Geneworks Bosphore nCoV (n=7), BD Molecular Diagnostics - BD SARS-CoV-2 (n=7), BGI - BGI Real Time PCR (n=8), Cepheid - Cepheid Xpert SARS-CoV-2 (n=44), Easy Diagnosis Biomedicine - EasyDiagnosis SARS-CoV-2 (n=6), Lumindex - Lumindex ARIES (n=5), PerkinElmer - PerkinElmer SARS-CoV-2 Real Time PCR (n=5), PrimerDesign - PrimerDesign Genesig (n=9), Seegene - Seegene Allplex SARS-CoV-2 (n=58), TIB MOLBIOL - TIB MOLBIOL LightMix (n=20), ThermoFisher - ThermoFisher TaqPath COVID-19 (n=31), Vitassay - Vitassay SARS-CoV-2 (n=6)

**SCV2\_101S-09 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
SCV2_101S-09	Coronavirus Negative	Transport Medium		Negative	CORE	96.8	497



# Individual Report

# QCMD 2020 SARS-CoV-2 EQA Programme



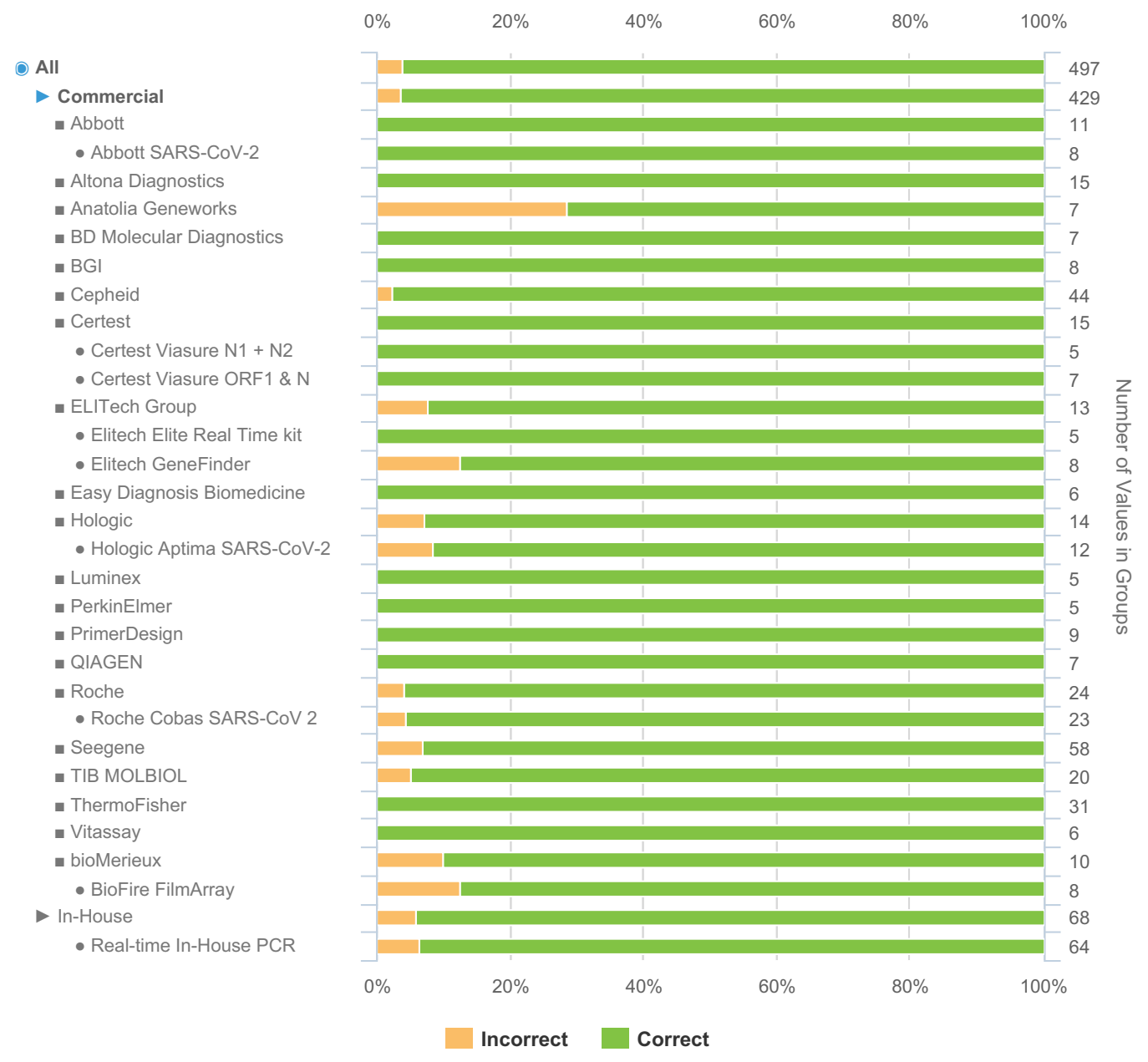
<b>Catalogue Code:</b> QAV204215	<b>Ref Code:</b> SCV2_20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative	<b>Dataset:</b> 399073	<b>Report UID:</b> 11738/399073/3134	<b>Laboratory:</b> ES136
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**Groups below n=5:** AB Analytica (n=4), AB Analytica - AB Analytica REALQUALITY RQ (n=4), ABL (n=1), ABL - ABL UltraGene (n=1), AITbiotech (n=3), AITbiotech - AITbiotech abTES COVID-19 (n=3), Abbott - Abbott Alinity SARS-CoV-2 (n=3), Adaltis (n=2), Adaltis - Adaltis MOLgen SARS-CoV-2 (n=2), Amoy Diagnostics (n=1), Amoy Diagnostics - AmoyDx Novel Coronavirus (n=1), AmpliSens (n=1), AmpliSens - AmpliSens CoV-Bat\_FRT (n=1), Anchor Diagnostics (n=3), Anchor Diagnostics - Anchor Diagnostics SARS CoV-2 (n=3), Astra Biotech (n=2), Astra Biotech - Astra Biotech SARS-CoV-2 (n=2), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics SARS-CoV-2 (n=1), Bio-Rad (n=1), Bio-Rad - Bio-Rad SARS-CoV-2 (n=1), BioGX (n=1), BioGX - BioGX SARS-CoV-2 (n=1), Biocore Technologies (n=2), Biocore Technologies - Biocore SARS-CoV-2 (n=2), Bioeksen (n=1), Bioeksen - Bioeksen Biospeedy SARS-CoV-2 (n=1), Bioer Technologies (n=3), Bioer Technologies - Bioer SARS-CoV-2 (n=3), Bioline (n=1), Bioline - Bioline SensiFast (n=1), Bioneer (n=3), Bioneer - Bioneer Accupower SARS-CoV-2 (n=3), Bosch (n=1), Bosch - Bosch Vivalytic SARS-CoV-2 (n=1), CDC (n=2), CDC - CDC SARS-CoV-2 (n=2), Certest - Certest Viasure S (n=3), Chronomics (n=1), Chronomics - Chronomics COVID 19 (n=1), Clonit (n=4), Clonit - Clonit Real Time PCR (n=4), Co-Diagnostics Inc (n=2), Co-Diagnostics Inc - Co-Diagnostics Inc Logix Smart (n=2), Convergent Technologies (n=2), Convergent Technologies - Convergys COVID 19 (n=2), DAAN GENE (n=3), DAAN GENE - DAAN Gene Covid-19 (n=3), DNA-Technology Russia (n=1), DNA-Technology Russia - DNA-Technology Covid-19 (n=1), DS Bio Nano Technology (n=1), DS Bio Nano Technology - DS CORONEX COVID-19 (n=1), DiaSorin (n=2), DiaSorin - DiaSorin Simplexa (n=2), Diagenode (n=1), Diagenode - Diagenode Real-Time PCR (n=1), Diatech Pharmacogenetics (n=1), Diatech Pharmacogenetics - Diatech Easy SARS-CoV-2 (n=1), Diatheva (n=1), Diatheva - Diatheva COVID-19 (n=1), EUROIMMUN (n=2), EUROIMMUN - EURO RealTime SARS-CoV-2 (n=2), Elisabeth Pharmacon (n=1), Elisabeth Pharmacon - EliGene COVID19 CONFIRM RT (n=1), GeneFirst (n=1), GeneFirst - GeneFirst Covid-19 (n=1), GeneOne Diagnostics Corporation (n=1), GeneOne Diagnostics Corporation - GeneOne COVID-19 (n=1), Genematrix (n=1), Genematrix - Genematrix NeoPlex (n=1), Gold Standard Diagnostics (n=2), Gold Standard Diagnostics - GSD NovaPrime SARS-CoV-2 (n=2), Grifols (n=1), Grifols - Grifols Procleix SARS-CoV-2 (n=1), Guangdong Huayin Medicine Science (n=1), Guangdong Huayin Medicine Science - Guangdong Huayin Real Time PCR (n=1), Hain Lifescience (n=1), Hain Lifescience - Hain Lifescience SARS-CoV-2 plus (n=1), Hologic - Hologic Panther Fusion (n=2), HybriBio Limited (n=1), HybriBio Limited - HybriBio Real-Time PCR Kit (n=1), Imegen (n=2), Imegen - Imegen SARS-CoV-2 (n=2), Immundiagnostik (n=1), Immundiagnostik - Immundiagnostik MutaPLEX (n=1), Innocreate Bioscience (n=1), Innocreate Bioscience - Innocreate Bioscience SARS-CoV-2 (n=1), Kogene Biotech (n=2), Kogene Biotech - Kogene Powerchek (n=2), KrosGen (n=1), KrosGen - KrosGen KrosQuant SARS-CoV-2 (n=1), LiliF Diagnostic (n=1), LiliF Diagnostic - LiliF Diagnostic COVID-19 (n=1), Maccura Biotechnology (n=1), Maccura Biotechnology - Maccura SARS-CoV-2 (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Master Diagnostica - Master Diagnostica SARS-CoV-2 (n=2), Medicofarma (n=2), Medicofarma - Medicofarma MediPAN COVID SARS-CoV-2 (n=2), Mobidiag (n=3), Mobidiag - Mobidiag Amplidiag (n=1), Mobidiag - Mobidiag Novodiag (n=2), NZYTEch (n=1), NZYTEch - NZYTEch SARS-CoV-2 (n=1), PathoFinder (n=4), PathoFinder - PathoFinder RealAccurate SARS-CoV-2 (n=4), PentaBase (n=3), PentaBase - PentaBase CoviDetect (n=3), Procomcure Biotech (n=1), Procomcure Biotech - Procomcure Biotech PhoenixDx SARS-CoV-2 (n=1), QIAGEN - Qiagen NeuMoDx (n=4), QIAGEN - Qiagen QIAtat-Dx (n=2), QIAGEN - Qiagen Real Time PCR (n=1), R-Biopharm (n=1), R-Biopharm - R-Biopharm RIDA Gene (n=1), Roche - Roche LightCycler Multiplex RNA Virus (n=1), SD BioSensor (n=1), SD BioSensor - SD BioSensor SARS-CoV-2 (n=1), Sacace (n=3), Sacace - Sacace SARS-CoV-2 (n=3), Seasun Biomaterials (n=1), Seasun Biomaterials - Seasun Biomaterials U-Top Covid-19 (n=1), Sentebiolab (n=1), Sentebiolab - Sentebiolab Senteligo SARS-CoV-2 (n=1), Shanghai Focusgen (n=1), Shanghai Focusgen - Shanghai Focusgen Real-Time PCR (n=1), Shanghai Fosun Pharmaceutical (n=1), Shanghai Fosun Pharmaceutical - Shanghai Fosun Real Time PCR (n=1), Solis BioDyne (n=1), Solis BioDyne - Solis BioDyne SARS-CoV-2 (n=1), Ukrainian Genetic Technologies (n=1), Ukrainian Genetic Technologies - Ukrainian Genetic Technologies COVID-19 (n=1), Vazyme (n=1), Vazyme - Vazyme SARS-CoV-2 (n=1), Vector Best (n=2), Vector Best - Vector Best SARS-CoV-2 (n=2), Veredus laboratories (n=1), Veredus laboratories - Veredus SARS-CoV-2 (n=1), ViennaLab Diagnostics (n=1), ViennaLab Diagnostics - ViennaLab SARS-CoV-2 RealFast (n=1), Yourgene Health (n=1), Yourgene Health - Yourgene Health Clarigene SARS-CoV-2 (n=1), ZJ Bio-Tech (n=2), ZJ Bio-Tech - ZJ Bio-Tech RT PCR (n=2), Zybio (n=1), Zybio - Zybio SARS-CoV-2 (n=1), bioMerieux - bioMerieux R-gene SARS-CoV-2 (n=2), fast-track DIAGNOSTICS (n=4), fast-track DIAGNOSTICS - FTD real time PCR (n=4), In-House - Conventional In-House PCR (n=4)

**Groups Rolled Up:** Altona Diagnostics - Altona Diagnostics RealStar (n=15), Anatolia Geneworks - Anatolia Geneworks Bosphore nCoV (n=7), BD Molecular Diagnostics - BD SARS-CoV-2 (n=7), BGI - BGI Real Time PCR (n=8), Cepheid - Cepheid Xpert SARS-CoV-2 (n=44), Easy Diagnosis Biomedicine - EasyDiagnosis SARS-CoV-2 (n=6), Lumindex - Lumindex ARIES (n=5), PerkinElmer - PerkinElmer SARS-CoV-2 Real Time PCR (n=5), PrimerDesign - PrimerDesign Genesig (n=9), Seegene - Seegene Allplex SARS-CoV-2 (n=58), TIB MOLBIOL - TIB MOLBIOL LightMix (n=20), ThermoFisher - ThermoFisher TaqPath COVID-19 (n=31), Vitassay - Vitassay SARS-CoV-2 (n=6)

**SCV2\_101S-10 - Qualitative Results Breakdown**

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
SCV2_101S-10	Coronavirus OC43	Transport Medium	4.0 dPCR Log10 Copies/ml	Negative	CORE	96.2	497



# Individual Report

# QCMD 2020 SARS-CoV-2 EQA Programme



<b>Catalogue Code:</b> QAV204215	<b>Ref Code:</b> SCV2_20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative	<b>Dataset:</b> 399073	<b>Report UID:</b> 11738/399073/3134	<b>Laboratory:</b> ES136
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**Groups below n=5:** AB Analytica (n=4), AB Analytica - AB Analytica REALQUALITY RQ (n=4), ABL (n=1), ABL - ABL UltraGene (n=1), AITbiotech (n=3), AITbiotech - AITbiotech abTES COVID-19 (n=3), Abbott - Abbott Alinity SARS-CoV-2 (n=3), Adaltis (n=2), Adaltis - Adaltis MOLgen SARS-CoV-2 (n=2), Amoy Diagnostics (n=1), Amoy Diagnostics - AmoyDx Novel Coronavirus (n=1), AmpliSens (n=1), AmpliSens - AmpliSens CoV-Bat\_FRT (n=1), Anchor Diagnostics (n=3), Anchor Diagnostics - Anchor Diagnostics SARS CoV-2 (n=3), Astra Biotech (n=2), Astra Biotech - Astra Biotech SARS-CoV-2 (n=2), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics SARS-CoV-2 (n=1), Bio-Rad (n=1), Bio-Rad - Bio-Rad SARS-CoV-2 (n=1), BioGX (n=1), BioGX - BioGX SARS-CoV-2 (n=1), Biocore Technologies (n=2), Biocore Technologies - Biocore SARS-CoV-2 (n=2), Bioeksen (n=1), Bioeksen - Bioeksen Biospeedy SARS-CoV-2 (n=1), Bioer Technologies (n=3), Bioer Technologies - Bioer SARS-CoV-2 (n=3), Bioline (n=1), Bioline - Bioline SensiFast (n=1), Bioneer (n=3), Bioneer - Bioneer Accupower SARS-CoV-2 (n=3), Bosch (n=1), Bosch - Bosch Vivalytic SARS-CoV-2 (n=1), CDC (n=2), CDC - CDC SARS-CoV-2 (n=2), Certest - Certest Viasure S (n=3), Chronomics (n=1), Chronomics - Chronomics COVID 19 (n=1), Clonit (n=4), Clonit - Clonit Real Time PCR (n=4), Co-Diagnostics Inc (n=2), Co-Diagnostics Inc - Co-Diagnostics Inc Logix Smart (n=2), Convergent Technologies (n=2), Convergent Technologies - Convergys COVID 19 (n=2), DAAN GENE (n=3), DAAN GENE - DAAN Gene Covid-19 (n=3), DNA-Technology Russia (n=1), DNA-Technology Russia - DNA-Technology Covid-19 (n=1), DS Bio Nano Technology (n=1), DS Bio Nano Technology - DS CORONEX COVID-19 (n=1), DiaSorin (n=2), DiaSorin - DiaSorin Simplexa (n=2), Diagenode (n=1), Diagenode - Diagenode Real-Time PCR (n=1), Diatech Pharmacogenetics (n=1), Diatech Pharmacogenetics - Diatech Easy SARS-CoV-2 (n=1), Diatheva (n=1), Diatheva - Diatheva COVID-19 (n=1), EUROIMMUN (n=2), EUROIMMUN - EURO RealTime SARS-CoV-2 (n=2), Elisabeth Pharmacon (n=1), Elisabeth Pharmacon - EliGene COVID19 CONFIRM RT (n=1), GeneFirst (n=1), GeneFirst - GeneFirst Covid-19 (n=1), GeneOne Diagnostics Corporation (n=1), GeneOne Diagnostics Corporation - GeneOne COVID-19 (n=1), Genematrix (n=1), Genematrix - Genematrix NeoPlex (n=1), Gold Standard Diagnostics (n=2), Gold Standard Diagnostics - GSD NovaPrime SARS-CoV-2 (n=2), Grifols (n=1), Grifols - Grifols Procleix SARS-CoV-2 (n=1), Guangdong Huayin Medicine Science (n=1), Guangdong Huayin Medicine Science - Guangdong Huayin Real Time PCR (n=1), Hain Lifescience (n=1), Hain Lifescience - Hain Lifescience SARS-CoV-2 plus (n=1), Hologic - Hologic Panther Fusion (n=2), HybriBio Limited (n=1), HybriBio Limited - HybriBio Real-Time PCR Kit (n=1), Imegen (n=2), Imegen - Imegen SARS-CoV-2 (n=2), Immundiagnostik (n=1), Immundiagnostik - Immundiagnostik MutaPLEX (n=1), Innocreate Bioscience (n=1), Innocreate Bioscience - Innocreate Bioscience SARS-CoV-2 (n=1), Kogene Biotech (n=2), Kogene Biotech - Kogene Powerchek (n=2), KrosGen (n=1), KrosGen - KrosGen KrosQuant SARS-CoV-2 (n=1), LiliF Diagnostic (n=1), LiliF Diagnostic - LiliF Diagnostic COVID-19 (n=1), Maccura Biotechnology (n=1), Maccura Biotechnology - Maccura SARS-CoV-2 (n=1), Master Diagnostica (n=3), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Master Diagnostica - Master Diagnostica SARS-CoV-2 (n=2), Medicofarma (n=2), Medicofarma - Medicofarma MediPAN COVID SARS-CoV-2 (n=2), Mobidiag (n=3), Mobidiag - Mobidiag Amplidiag (n=1), Mobidiag - Mobidiag Novodiag (n=2), NZYTEch (n=1), NZYTEch - NZYTEch SARS-CoV-2 (n=1), PathoFinder (n=4), PathoFinder - PathoFinder RealAccurate SARS-CoV-2 (n=4), PentaBase (n=3), PentaBase - PentaBase CoviDetect (n=3), Procomcure Biotech (n=1), Procomcure Biotech - Procomcure Biotech PhoenixDx SARS-CoV-2 (n=1), QIAGEN - Qiagen NeuMoDx (n=4), QIAGEN - Qiagen QIAtat-Dx (n=2), QIAGEN - Qiagen Real Time PCR (n=1), R-Biopharm (n=1), R-Biopharm - R-Biopharm RIDA Gene (n=1), Roche - Roche LightCycler Multiplex RNA Virus (n=1), SD BioSensor (n=1), SD BioSensor - SD BioSensor SARS-CoV-2 (n=1), Sacace (n=3), Sacace - Sacace SARS-CoV-2 (n=3), Seasun Biomaterials (n=1), Seasun Biomaterials - Seasun Biomaterials U-Top Covid-19 (n=1), Sentebiolab (n=1), Sentebiolab - Sentebiolab Senteligo SARS-CoV-2 (n=1), Shanghai Focusgen (n=1), Shanghai Focusgen - Shanghai Focusgen Real-Time PCR (n=1), Shanghai Fosun Pharmaceutical (n=1), Shanghai Fosun Pharmaceutical - Shanghai Fosun Real Time PCR (n=1), Solis BioDyne (n=1), Solis BioDyne - Solis BioDyne SARS-CoV-2 (n=1), Ukrainian Genetic Technologies (n=1), Ukrainian Genetic Technologies - Ukrainian Genetic Technologies COVID-19 (n=1), Vazyme (n=1), Vazyme - Vazyme SARS-CoV-2 (n=1), Vector Best (n=2), Vector Best - Vector Best SARS-CoV-2 (n=2), Veredus laboratories (n=1), Veredus laboratories - Veredus SARS-CoV-2 (n=1), ViennaLab Diagnostics (n=1), ViennaLab Diagnostics - ViennaLab SARS-CoV-2 RealFast (n=1), Yourgene Health (n=1), Yourgene Health - Yourgene Health Clarigene SARS-CoV-2 (n=1), ZJ Bio-Tech (n=2), ZJ Bio-Tech - ZJ Bio-Tech RT PCR (n=2), Zybio (n=1), Zybio - Zybio SARS-CoV-2 (n=1), bioMerieux - bioMerieux R-gene SARS-CoV-2 (n=2), fast-track DIAGNOSTICS (n=4), fast-track DIAGNOSTICS - FTD real time PCR (n=4), In-House - Conventional In-House PCR (n=4)

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**Individual Report****QCMD 2020 SARS-CoV-2 EQA Programme**

<b>Catalogue Code:</b> QAV204215	<b>Ref Code:</b> SCV2_20	<b>Challenge:</b> S	<b>Analysis Type:</b> Qualitative	<b>Dataset:</b> 399073	<b>Report UID:</b> 11738/399073/3134	<b>Laboratory:</b> ES136
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