


Individual Report		QCMD 2022 SARS-CoV-2 EQA Programme				 Quality Control for Molecular Diagnostics	
Catalogue Code: QAV204215	Ref Code: SCV2_22	Challenge: C1A	Analysis Type: Qualitative	Dataset: 519557	Report UID: 2677/519557/4296	Laboratory CZ023	

Intended Results / Panel Composition

Sample Code	Sample Content	Matrix	Sample Relationships [1]	Detection Frequency [2]	Sample Status [3]	Percentage Correct (All) [4]	
						(%)	(n)
SCV2_22C1A-01	SARS-CoV-2 Delta Variant B.1.617.2	Transport medium	3 dPCR Log10 Copies/ml (D1, DS2_2)	Frequently Detected	CORE	97.5	945
SCV2_22C1A-02	SARS-CoV-2 Lineage B.1	Transport medium	4 dPCR Log10 Copies/ml (DS1_1)	Frequently Detected	CORE	98.2	945
SCV2_22C1A-03	SARS-CoV-2 Delta Variant B.1.617.2	Transport medium	3 dPCR Log10 Copies/ml (D1, DS2_2)	Frequently Detected	CORE	98.3	945
SCV2_22C1A-04	SARS-CoV-2 Delta Variant B.1.617.2	Transport medium	4 dPCR Log10 Copies/ml (DS2_1)	Frequently Detected	CORE	98.8	945
SCV2_22C1A-05	SARS-CoV-2 Lineage B.1	Transport medium	3 dPCR Log10 Copies/ml (DS1_2)	Frequently Detected	CORE	96.7	945

[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

EQA Assessment Group [1]

GeneProof SARS-CoV-2

Core Panel Detection (Qualitative) Score [2]

0

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Core Panel Members Results

Sample Code	Qualitative Results			Your Quantitative Data (for information only) ^[3]		
	Percentage Correct (All) ^[4]	Your Result ^[5]	Detection Score ^[6]	Reported Value	Unitage	Cycle Threshold
SCV2_22C1A-01	97.5	Positive	0		N/A	30.0
SCV2_22C1A-02	98.2	Positive	0		N/A	24.93
SCV2_22C1A-03	98.3	Positive	0		N/A	29.79
SCV2_22C1A-04	98.8	Positive	0		N/A	26.05
SCV2_22C1A-05	96.7	Positive	0		N/A	29.31

[1] **EQA Assessment Group:** To aid data analysis, participant results are grouped according to the molecular amplification/detection method specified within their molecular workflow for this challenge / distribution. For further details refer to the *Additional Information: Individual Panel Member Analysis* section of this report.

[2] **Core Panel Detection (Qualitative) Score:** An overall core panel detection score provided per challenge / distribution.

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

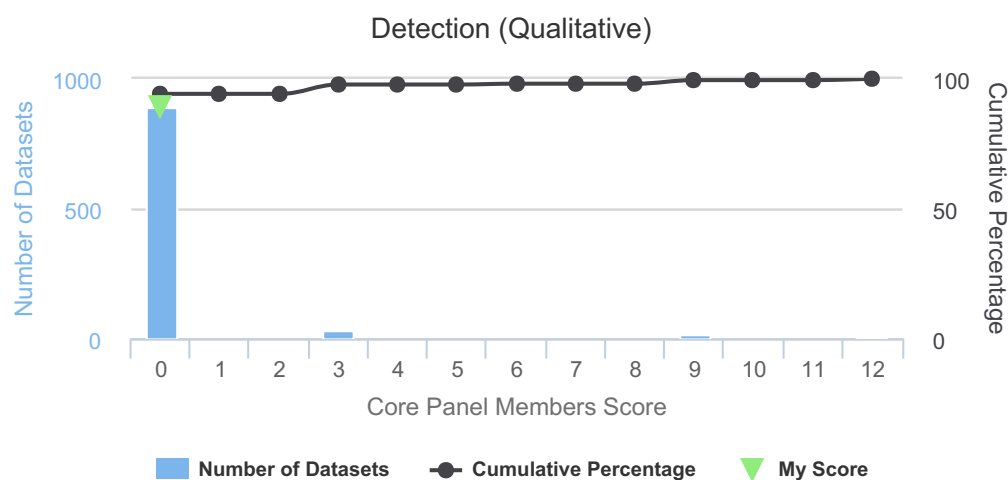
[4] **Percentage Correct (All):** Percentage of datasets (%) reporting the correct qualitative results for each panel member.


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

[6] **Detection Score:** Your detection (qualitative) scores are based on the assigned detection frequency of each panel members, where 0 (zero) is "highly satisfactory" and 3 (three) is "highly unsatisfactory". Scores are provided for individual panel members.

For further details please refer to the current participant manual.

Core Panel Member Score Breakdown






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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.


Name	GeneProof SARS-CoV-2 Advanced PCR Kit-croBEE NA (v2)
Description	
Targets	 coronavirus
Assays	<ul style="list-style-type: none">  Extraction - GeneProof - croBEE NA16 Nucleic Acid Extraction System <ul style="list-style-type: none"> ● Commercial <ul style="list-style-type: none"> ○ Kit Manufacturer: <i>GeneProof</i> ○ Kit Type: <i>croBEE 201A Nucleid Acid Extraction Kit</i>  Amplification - GeneProof - croBEE Real-Time PCR System <ul style="list-style-type: none"> ● Commercial <ul style="list-style-type: none"> ○ Kit Manufacturer: <i>GeneProof</i> ○ Kit Type: <i>GeneProof SARS-CoV-2 Advanced PCR Kit</i> ○ Kit Version: <i>GP</i>

Further Programme Details

Number of Participants	575
Number of Countries	51
Number of Respondents	504
Number of Datasets Submitted	945
Qualitative Results Returned	945 (100.0%)

EQA Programme Aims


To assess the proficiency of laboratories in the detection of the new variant SARS-CoV-2 coronavirus. To assess the proficiency of laboratories in the differentiation of different coronavirus genotypes.

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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.

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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)

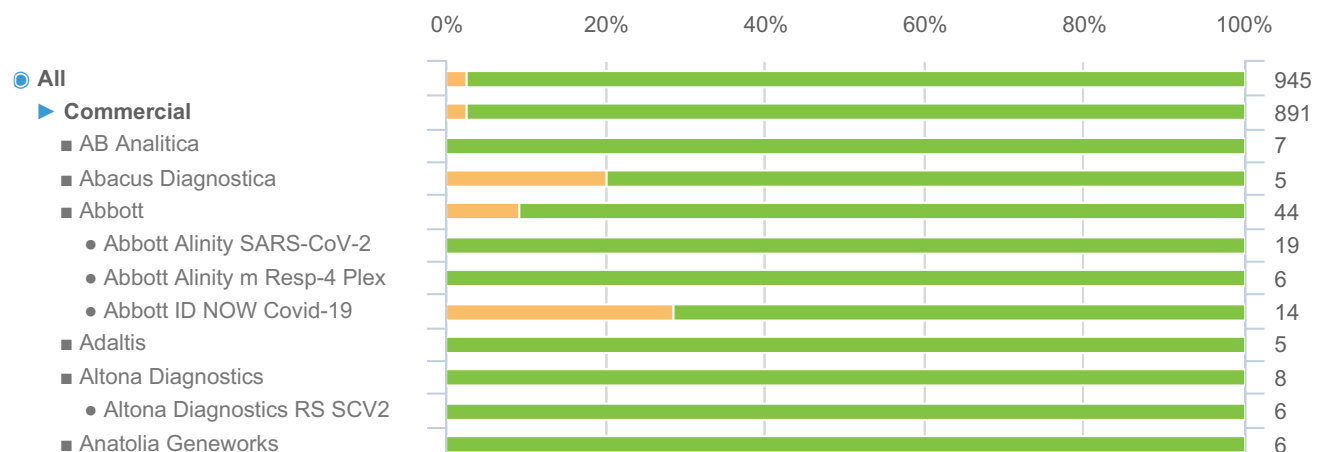
Qualitative analysis for each panel member is provided in relation to your EQA assessment group. EQA assessment groups are established using the molecular workflow information reported by all participants within this EQA challenge / distribution. The principal level of assessment is at the individual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

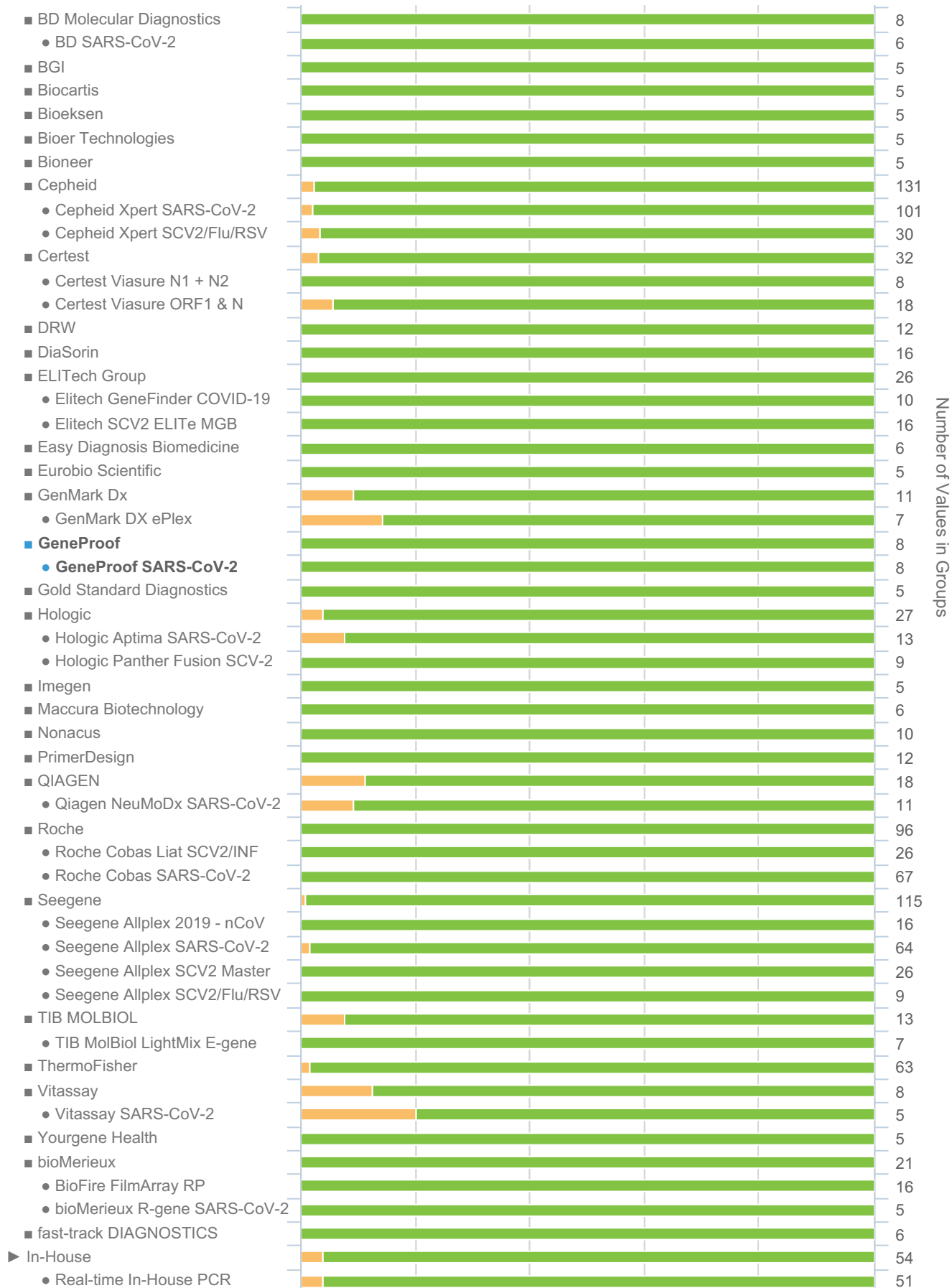
A breakdown of qualitative results reported by participants on each of the panel members within this EQA challenge / distribution is provided below. You can compare your results to those within your EQA assessment group and those obtained within other EQA assessment groups or to the overall consensus for each sample within this EQA challenge / distribution.


SCV2_22C1A-01 - Qualitative Results Breakdown

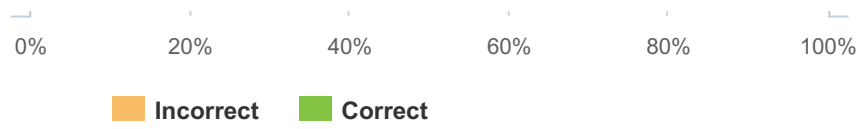
Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
SCV2_22C1A-01	SARS-CoV-2 Delta Variant B.1.617.2	Transport medium	3 dPCR Log10 Copies/ml (D1, DS2_2)	Frequently Detected	CORE	97.5	945



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Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV204215	SCV2_22	C1A	Qualitative	519557	2677/519557/4296	CZ023

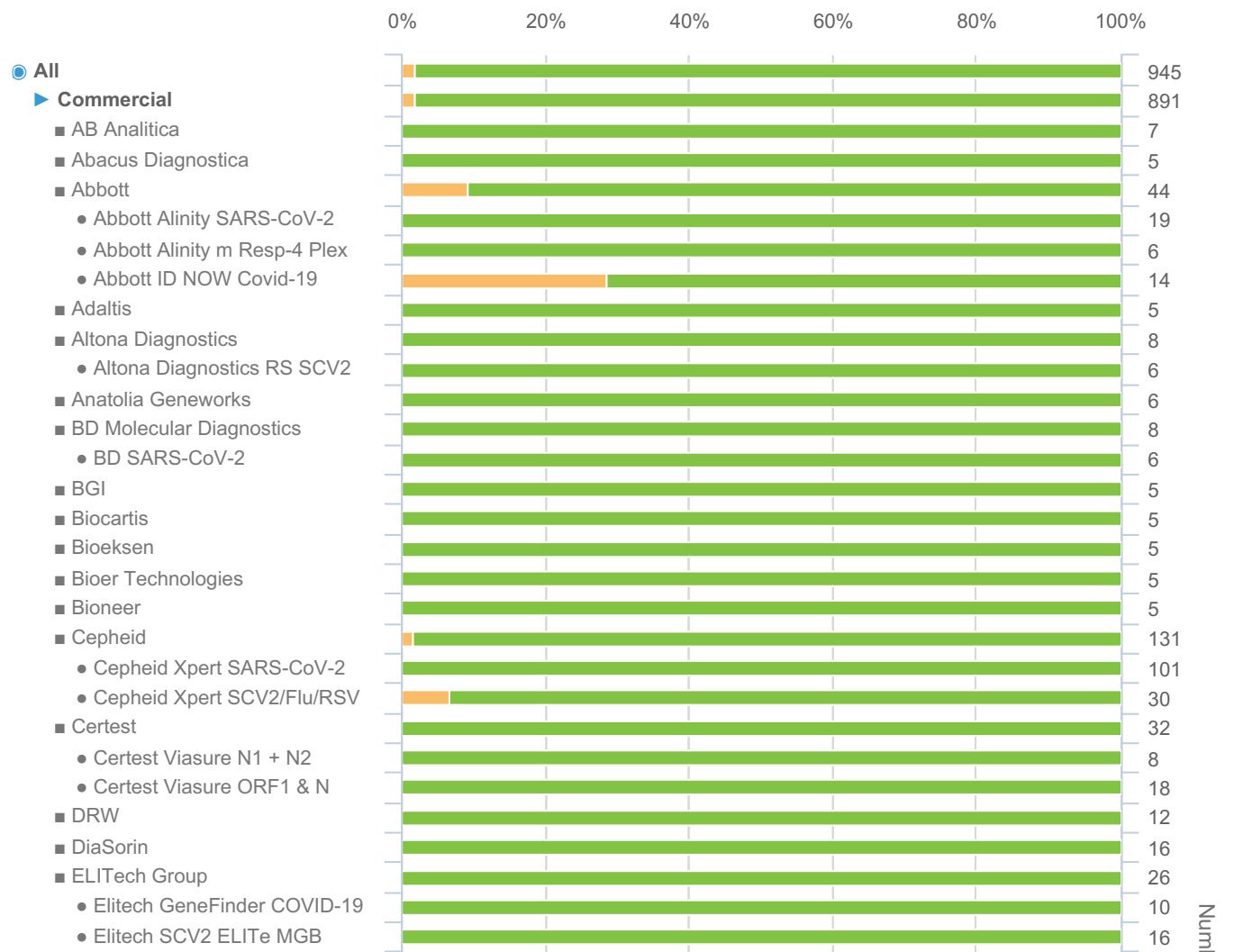
Groups below n=5: AB Analytica - AB Analytica RQ 2019-nCoV (n=4), AB Analytica - AB Analytica RQ ABFlu-CoV-2 (n=1), AB Analytica - AB Analytica RQ SCV2 (n=2), AMT (n=3), AMT - AMT Resolute SARS-CoV-2 (n=3), Abacus Diagnostica - Abacus Diagnostica SARS-CoV-2 (n=1), Abacus Diagnostica - Abacus GenomeEra SARS-COV-2 (n=4), Abbott - Abbott Alinity m Resp 4-Plex (n=1), Abbott - Abbott RealTime m2000 SARS-COV-2 (n=4), Algimed Techno (n=1), Algimed Techno - Algimed Alsense SARS-CoV-2 (n=1), Altona Diagnostica - Altona Diagnostica AS SCV2 (n=1), Altona Diagnostica - Altona Diagnostica FS SCV2 (n=1), Argen Biotech (n=1), Argen Biotech - Argen NoeDX SARS-CoV-2 (n=1), Astra Biotech (n=3), Astra Biotech - Astra Biotech SARS-CoV-2 (n=3), Astravir Technology (n=1), Astravir Technology - Astravir Technology SARS-CoV-2 (n=1), AusDiagnostics (n=4), AusDiagnostics - AusDiagnostics High-Plex (n=4), BAG Diagnostica (n=1), BAG Diagnostica - ViroQ SCV/INF/RSV (n=1), BD Molecular Diagnostics - BD SARS-CoV-2/Flu (n=2), Bio-Rad (n=4), Bio-Rad - Bio-Rad SARS-CoV-2 (n=4), BioMaxima (n=1), BioMaxima - Biomaxima SARS-CoV-2 (n=1), CDC (n=3), CDC - CDC SARS-CoV-2 (n=3), Certest - Certest Viasure ORF1, E & N (n=1), Certest - Certest Viasure S (n=1), Certest - Certest Viasure SARS-CoV-2 & UK Variant (n=1), Certest - Certest Viasure SCV2/FLU/RSV (n=3), Clonit (n=1), Clonit - Clonit COVID-19 HT Screen (n=1), Co-Diagnostics (n=2), Co-Diagnostics - Co-Diagnostics Inc Logix Smart (n=2), Coyote Bioscience (n=3), Coyote Bioscience - Coyote Bioscience SARS-CoV-2 (n=3), DAAN GENE (n=4), DAAN GENE - DAAN Gene Covid-19 (n=4), DS Bio Nano Technology (n=1), DS Bio Nano Technology - DS CORONEX COVID-19 (n=1), DiaPro (n=1), DiaPro - DiaPro COVID-19 (n=1), Diatheva (n=3), Diatheva - Diatheva COVID-19 (n=3), EUROIMMUN (n=2), EUROIMMUN - EURO RealTime SARS-CoV-2 (n=2), Elisabeth Pharmacon (n=1), Elisabeth Pharmacon - Elisabeth Pharmacon EliGene COVID-19 (n=1), Eurofins (n=2), Eurofins - Eurofins ViroBOAR (n=2), FMBA (n=1), FMBA - FMBA AmpliTest SARS-CoV-2 (n=1), GenMark Dx - GenMark GeneMAP 2019-nCoV (SARS-CoV-2) (n=4), GeneMe (n=2), GeneMe - GeneMe CoVi19 (n=2), GeneReach (n=1), GeneReach - GeneReach POKKIT SCV2 (n=1), Genematrix (n=1), Genematrix - Genematrix NeoPlex COVID-19 (n=1), Generon (n=1), Generon - Generon VETfinder (n=1), Genetic Signatures (n=2), Genetic Signatures - Genetic Signatures SARS-CoV-2 (n=2), Genrui Biotech Inc. (n=1), Genrui Biotech Inc. - Genrui Novel Coronavirus Detection Kit (n=1), Gerbion (n=1), Gerbion - Gerbion virella SARS-CoV-2 (n=1), Hain Lifescience (n=1), Hain Lifescience - Hain Lifescience SARS-CoV-2 varID (n=1), Hologic - Hologic Aptima SCV2/Flu (n=4), Hologic - Hologic Panther Fusion (n=1), ID-Solutions (n=3), ID-Solutions - ID SARS CoV-2 (n=3), IDT (n=1), IDT - IDT 2019-nCoV (n=1), Imegen - Imegen SARS-CoV-2 (n=2), Imegen - Imegen SARS-CoV-2 Plus (n=3), Invitrogen (n=1), Invitrogen - Invitrogen SuperScript (n=1), Jiangsu Bioperfectus technologies (n=1), Jiangsu Bioperfectus technologies - Jiangsu Bioperfectus technologies COVID-19 (n=1), KrosGen (n=1), KrosGen - KrosGen KrosQuant SARS-CoV-2 (n=1), LGC Biosearch Technologies (n=1), LGC Biosearch Technologies - LGC UltraDx SARS-CoV-2 (n=1), Labsystems Diagnostics (n=3), Labsystems Diagnostics - Labsystems Diagnostics COVID-19 (n=3), LifeReal (n=1), LifeReal - LifeReal COVID-19 (n=1), Liferiver (n=2), Liferiver - Liferiver 2019-nCoV (n=2), Lifotronic (n=1), Lifotronic - Lifotronic SARS-CoV-2 (n=1), Luminex (n=3), Luminex - Luminex ARIES SCV2 (n=2), Luminex - Luminex NxTAG RPP + SCV2 (n=1), LumiraDx (n=1), LumiraDx - LumiraDx RNA STAR SARS-CoV-2 (n=1), MedicoFarma (n=4), MedicoFarma - MedicoFarma MediPAN COVID SARS-CoV-2 (n=4), MiRXES (n=1), MiRXES - MiRXES Fortitude Covid-19 (n=1), Mikrogen (n=2), Mikrogen - Mikrogen ampliCube Coronavirus/SCV2 (n=1), Mikrogen - Mikrogen ampliCube FLU/SCV2 (n=1), Mobidiag (n=3), Mobidiag - Mobidiag Amplidiag (n=1), Mobidiag - Mobidiag Novodiag (n=1), Mobidiag - Mobidiag Novodiag COVID-19 (n=1), MultiplexDX (n=1), MultiplexDX - MultiplexDX rTEST COVID-19 (n=1), NEB (n=1), NEB - NEB Luna SARS-CoV-2 (n=1), NZYTech (n=1), NZYTech - NZYTech SARS-CoV-2 (n=1), PathoFinder (n=2), PathoFinder - PathoFinder RealAccurate SARS-CoV-2 (n=2), PaxGenBio (n=2), PaxGenBio - PaxGenBio PaxView SCV2 (n=2), PentaBase (n=1), PentaBase - PentaBase CoviDetect (n=1), PerkinElmer (n=4), PerkinElmer - PerkinElmer SARS-CoV-2 Real Time PCR (n=4), Phase Scientific (n=2), Phase Scientific - Phase Scientific Covid-19 (n=2), Promega (n=1), Promega - Promega SARS-CoV-2 (n=1), Q-Sens (n=2), Q-Sens - Q-Sens COVID-19 (n=2), QIAGEN - QIAGEN Artus Real Time (n=2), QIAGEN - Qiagen NeuMoDx (n=1), QIAGEN - Qiagen QIAstat-Dx SCV2 (n=4), Quantabio (n=1), Quantabio - Quantabio Script One-Step Covid-19 (n=1), R-Biopharm (n=4), R-Biopharm - R-Biopharm RIDA Gene FLU & SARS (n=1), R-Biopharm - R-Biopharm RIDA Gene SCV2 (n=3), RTA Laboratories (n=1), RTA Laboratories - RTA Laboratories Real Time SCV2 (n=1), Roche - Roche Cobas Liat SARS-CoV-2 (n=3), Sacace (n=1), Sacace - Sacace SARS-CoV-2 (n=1), Sansure Biotech (n=2), Sansure Biotech - Sansure Biotech nCoV PCR Kit (n=2), Sentebiolab (n=2), Sentebiolab - Sentebiolab Senteligo SARS-CoV-2 (n=2), Serosep (n=2), Serosep - Serosep RespiBio SARS-CoV-2 (n=2), Shanghai Fosun Pharmaceutical (n=3), Shanghai Fosun Pharmaceutical - Shanghai Fosun Real Time PCR (n=3), SolGent (n=1), SolGent - SolGent DiaPlexQ-nCoV (n=1), Speedx (n=1), Speedx - Speedx PlexPrime SCV-2 (n=1), Syntol (n=4), Syntol - Syntol SARS-CoV-2 (n=4), TIB MOLBIOL - TIB MolBiol LightMix E/N-gene (n=1), TIB MOLBIOL - TIB MolBiol LightMix E/N/RdRP (n=3), TIB MOLBIOL - TIB MolBiol LightMix E/RdRP (n=2), Vector-Best (n=1), Vector-Best - Vector-Best Real Time SCV-2 (n=1), Vela Diagnostics (n=1), Vela Diagnostics - Vela ViroKey SARS-CoV-2 (n=1), Vircell (n=1), Vircell - Vircell Direct SARS-CoV-2 (n=1), Vitassay - Vitassay SARS-CoV-2 + UK Variant (n=1), Vitassay - Vitassay SCV2/FLU (n=1), Vitassay - Vitassay SCV2/Flu/RSV (n=1), Zybion (n=1), Zybion - Zybion SARS-CoV-2 (n=1), idil biotech (n=1), idil biotech - idilbiotech RevoDX SCV2 (n=1), In-House - Conventional In-House PCR (n=3)

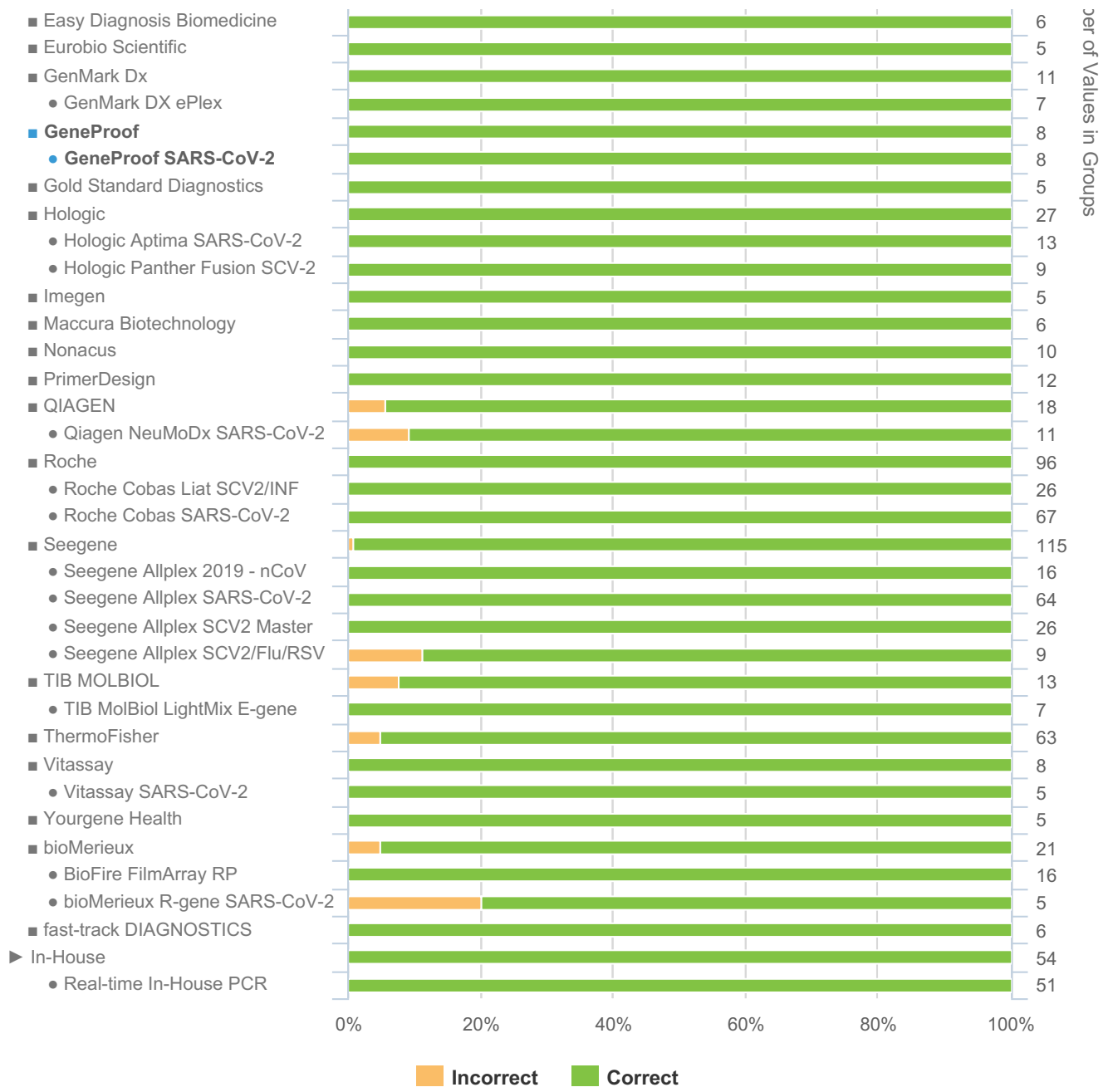
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Groups Rolled Up: Adaltis - Adaltis MOLgen SARS-CoV-2 (n=5), Anatolia Geneworks - Anatolia Geneworks Bosphore nCoV (n=6), BGI - BGI Real Time PCR (n=5), Biocartis - Biocartis Idylla SARS-CoV-2 (n=5), Bioeksen - Bioeksen Biospeedy SARS-CoV-2 (n=5), Bioer Technologies - Bioer SARS-CoV-2 (n=5), Bioneer - Bioneer Accupower SARS-CoV-2 (n=5), DRW - DRW SAMBA II SARS-CoV-2 (n=12), DiaSorin - DiaSorin Simplexa COVID-19 (n=16), Easy Diagnosis Biomedicine - EasyDiagnosis SARS-CoV-2 (n=6), Eurobio Scientific - EurobioPlex SARS-CoV-2 (n=5), Gold Standard Diagnostics - GSD NovaPrime SARS-CoV-2 (n=5), Maccura Biotechnology - Maccura SARS-CoV-2 (n=6), Nonacus - Nonacus VirPath SARS-CoV-2 (n=10), PrimerDesign - PrimerDesign Genesig (n=12), ThermoFisher - ThermoFisher TaqPath COVID-19 (n=63), Yourgene Health - Yourgene Health Clarigene SARS-CoV-2 (n=5), fast-track DIAGNOSTICS - FTD SARS-CoV-2 (n=6)

SCV2_22C1A-02 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
SCV2_22C1A-02	SARS-CoV-2 Lineage B.1	Transport medium	4 dPCR Log10 Copies/ml (DS1_1)	Frequently Detected	CORE	98.2	945





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QAV204215	SCV2_22	C1A	Qualitative	519557	2677/519557/4296	CZ023

Groups below n=5: AB Analytica - AB Analytica RQ 2019-nCoV (n=4), AB Analytica - AB Analytica RQ ABFlu-CoV-2 (n=1), AB Analytica - AB Analytica RQ SCV2 (n=2), AMT (n=3), AMT - AMT Resolute SARS-CoV-2 (n=3), Abacus Diagnostica - Abacus Diagnostica SARS-CoV-2 (n=1), Abacus Diagnostica - Abacus GenomeEra SARS-CoV-2 (n=4), Abbott - Abbott Alinity m Resp 4-Plex (n=1), Abbott - Abbott RealTime m2000 SARS-CoV-2 (n=4), Algimed Techno (n=1), Algimed Techno - Algimed Alsense SARS-CoV-2 (n=1), Altona Diagnostica - Altona Diagnostica AS SCV2 (n=1), Altona Diagnostica - Altona Diagnostica FS SCV2 (n=1), Argen Biotech (n=1), Argen Biotech - Argen NoeDX SARS-CoV-2 (n=1), Astra Biotech (n=3), Astra Biotech - Astra Biotech SARS-CoV-2 (n=3), Astravir Technology (n=1), Astravir Technology - Astravir Technology SARS-CoV-2 (n=1), AusDiagnostics (n=4), AusDiagnostics - AusDiagnostics High-Plex (n=4), BAG Diagnostica (n=1), BAG Diagnostica - ViroQ SCV/INF/RSV (n=1), BD Molecular Diagnostics - BD SARS-CoV-2/Flu (n=2), Bio-Rad (n=4), Bio-Rad - Bio-Rad SARS-CoV-2 (n=4), BioMaxima (n=1), BioMaxima - Biomaxima SARS-CoV-2 (n=1), CDC (n=3), CDC - CDC SARS-CoV-2 (n=3), Certest - Certest Viasure ORF1, E & N (n=1), Certest - Certest Viasure S (n=1), Certest - Certest Viasure SARS-CoV-2 & UK Variant (n=1), Certest - Certest Viasure SCV2/FLU/RSV (n=3), Clonit (n=1), Clonit - Clonit COVID-19 HT Screen (n=1), Co-Diagnostics (n=2), Co-Diagnostics - Co-Diagnostics Inc Logix Smart (n=2), Coyote Bioscience (n=3), Coyote Bioscience - Coyote Bioscience SARS-CoV-2 (n=3), DAAN GENE (n=4), DAAN GENE - DAAN Gene Covid-19 (n=4), DS Bio Nano Technology (n=1), DS Bio Nano Technology - DS CORONEX COVID-19 (n=1), DiaPro (n=1), DiaPro - DiaPro COVID-19 (n=1), Diatheva (n=3), Diatheva - Diatheva COVID-19 (n=3), EUROIMMUN (n=2), EUROIMMUN - EURO RealTime SARS-CoV-2 (n=2), Elisabeth Pharmacon (n=1), Elisabeth Pharmacon - Elisabeth Pharmacon EliGene COVID-19 (n=1), Eurofins (n=2), Eurofins - Eurofins ViroBOAR (n=2), FMBA (n=1), FMBA - FMBA AmpliTest SARS-CoV-2 (n=1), GenMark Dx - GenMark GeneMAP 2019-nCoV (SARS-CoV-2) (n=4), GeneMe (n=2), GeneMe - GeneMe CoVi19 (n=2), GeneReach (n=1), GeneReach - GeneReach POKKIT SCV2 (n=1), Genematrix (n=1), Genematrix - Genematrix NeoPlex COVID-19 (n=1), Generon (n=1), Generon - Generon VETfinder (n=1), Genetic Signatures (n=2), Genetic Signatures - Genetic Signatures SARS-CoV-2 (n=2), Genrui Biotech Inc. (n=1), Genrui Biotech Inc. - Genrui Novel Coronavirus Detection Kit (n=1), Gerbion (n=1), Gerbion - Gerbion virella SARS-CoV-2 (n=1), Hain Lifescience (n=1), Hain Lifescience - Hain Lifescience SARS-CoV-2 varID (n=1), Hologic - Hologic Aptima SCV2/Flu (n=4), Hologic - Hologic Panther Fusion (n=1), ID-Solutions (n=3), ID-Solutions - ID SARS CoV-2 (n=3), IDT (n=1), IDT - IDT 2019-nCoV (n=1), Imegen - Imegen SARS-CoV-2 (n=2), Imegen - Imegen SARS-CoV-2 Plus (n=3), Invitrogen (n=1), Invitrogen - Invitrogen SuperScript (n=1), Jiangsu Bioperfectus technologies (n=1), Jiangsu Bioperfectus technologies - Jiangsu Bioperfectus technologies COVID-19 (n=1), KrosGen (n=1), KrosGen - KrosGen KrosQuant SARS-CoV-2 (n=1), LGC Biosearch Technologies (n=1), LGC Biosearch Technologies - LGC UltraDx SARS-CoV-2 (n=1), Labsystems Diagnostics (n=3), Labsystems Diagnostics - Labsystems Diagnostics COVID-19 (n=3), LifeReal (n=1), LifeReal - LifeReal COVID-19 (n=1), Liferiver (n=2), Liferiver - Liferiver 2019-nCoV (n=2), Lifotronic (n=1), Lifotronic - Lifotronic SARS-CoV-2 (n=1), Luminex (n=3), Luminex - Luminex ARIES SCV2 (n=2), Luminex - Luminex NxTAG RPP + SCV2 (n=1), LumiraDx (n=1), LumiraDx - LumiraDx RNA STAR SARS-CoV-2 (n=1), MedicoFarma (n=4), MedicoFarma - MedicoFarma MediPAN COVID SARS-CoV-2 (n=4), MiRXES (n=1), MiRXES - MiRXES Fortitude Covid-19 (n=1), Mikrogen (n=2), Mikrogen - Mikrogen ampliCube Coronavirus/SCV2 (n=1), Mikrogen - Mikrogen ampliCube FLU/SCV2 (n=1), Mobidiag (n=3), Mobidiag - Mobidiag Amplidiag (n=1), Mobidiag - Mobidiag Novodiag (n=1), Mobidiag - Mobidiag Novodiag COVID-19 (n=1), MultiplexDX (n=1), MultiplexDX - MultiplexDX rTEST COVID-19 (n=1), NEB (n=1), NEB - NEB Luna SARS-CoV-2 (n=1), NZYTech (n=1), NZYTech - NZYTech SARS-CoV-2 (n=1), PathoFinder (n=2), PathoFinder - PathoFinder RealAccurate SARS-CoV-2 (n=2), PaxGenBio (n=2), PaxGenBio - PaxGenBio PaxView SCV2 (n=2), PentaBase (n=1), PentaBase - PentaBase CoviDetect (n=1), PerkinElmer (n=4), PerkinElmer - PerkinElmer SARS-CoV-2 Real Time PCR (n=4), Phase Scientific (n=2), Phase Scientific - Phase Scientific Covid-19 (n=2), Promega (n=1), Promega - Promega SARS-CoV-2 (n=1), Q-Sens (n=2), Q-Sens - Q-Sens COVID-19 (n=2), QIAGEN - QIAGEN Artus Real Time (n=2), QIAGEN - Qiagen NeuMoDx (n=1), QIAGEN - Qiagen QIAstat-Dx SCV2 (n=4), Quantabio (n=1), Quantabio - Quantabio Script One-Step Covid-19 (n=1), R-Biopharm (n=4), R-Biopharm - R-Biopharm RIDA Gene FLU & SARS (n=1), R-Biopharm - R-Biopharm RIDA Gene SCV2 (n=3), RTA Laboratories (n=1), RTA Laboratories - RTA Laboratories Real Time SCV2 (n=1), Roche - Roche Cobas Liat SARS-CoV-2 (n=3), Sacace (n=1), Sacace - Sacace SARS-CoV-2 (n=1), Sansure Biotech (n=2), Sansure Biotech - Sansure Biotech nCoV PCR Kit (n=2), Sentebiolab (n=2), Sentebiolab - Sentebiolab Senteligo SARS-CoV-2 (n=2), Serosep (n=2), Serosep - Serosep RespiBio SARS-CoV-2 (n=2), Shanghai Fosun Pharmaceutical (n=3), Shanghai Fosun Pharmaceutical - Shanghai Fosun Real Time PCR (n=3), SolGent (n=1), SolGent - SolGent DiaPlexQ-nCoV (n=1), Speedx (n=1), Speedx - Speedx PlexPrime SCV-2 (n=1), Syntol (n=4), Syntol - Syntol SARS-CoV-2 (n=4), TIB MOLBIOL - TIB MolBiol LightMix E/N-gene (n=1), TIB MOLBIOL - TIB MolBiol LightMix E/N/RdRP (n=3), TIB MOLBIOL - TIB MolBiol LightMix E/RdRP (n=2), Vector-Best (n=1), Vector-Best - Vector-Best Real Time SCV-2 (n=1), Vela Diagnostics (n=1), Vela Diagnostics - Vela ViroKey SARS-CoV-2 (n=1), Vircell (n=1), Vircell - Vircell Direct SARS-CoV-2 (n=1), Vitassay - Vitassay SARS-CoV-2 + UK Variant (n=1), Vitassay - Vitassay SCV2/FLU (n=1), Vitassay - Vitassay SCV2/Flu/RSV (n=1), Zybion (n=1), Zybion - Zybion SARS-CoV-2 (n=1), idil biotech (n=1), idil biotech - idilbiotech RevoDX SCV2 (n=1), In-House - Conventional In-House PCR (n=3)

Individual Report

QCMD 2022 SARS-CoV-2 EQA Programme

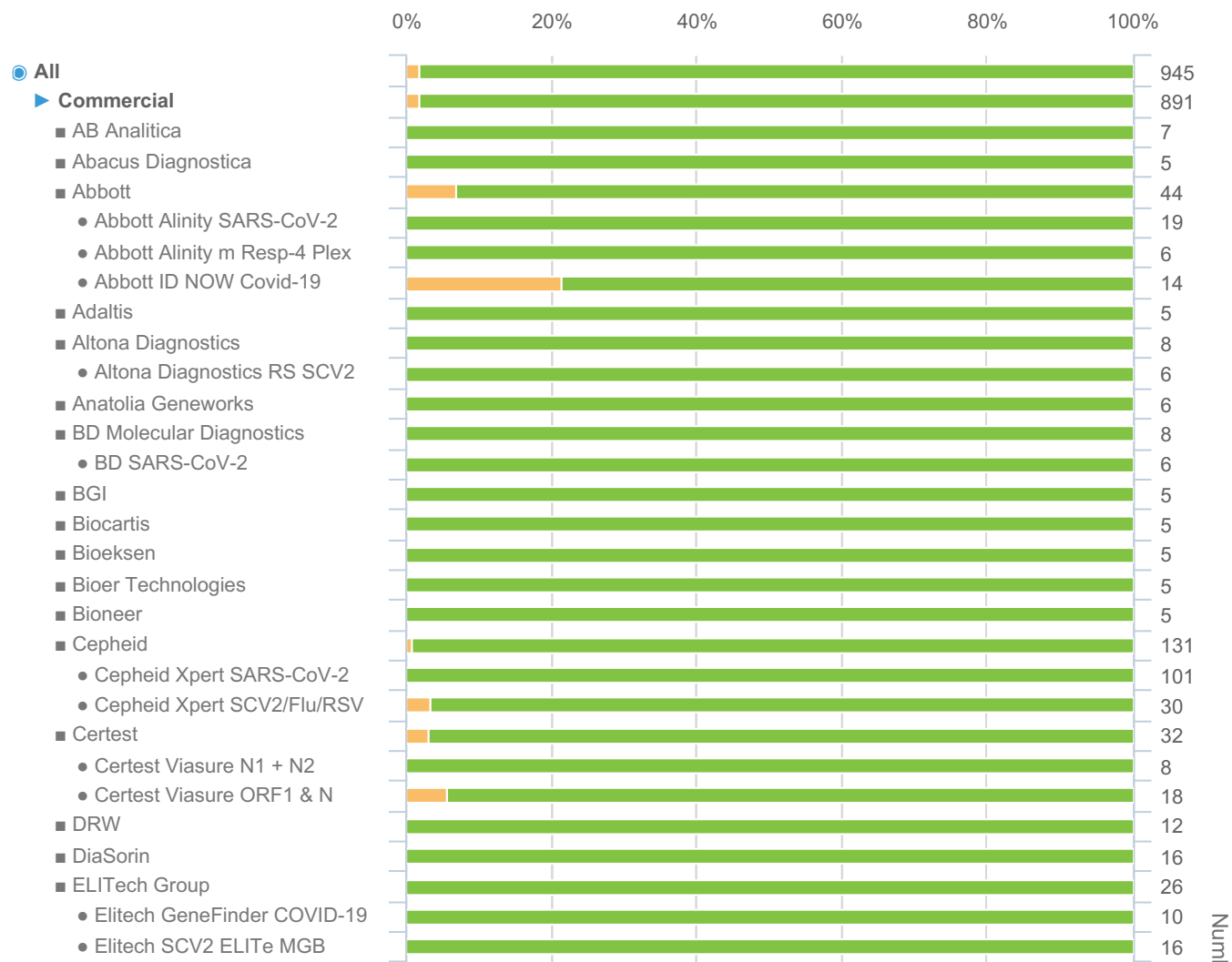


Catalogue Code: QAV204215	Ref Code: SCV2_22	Challenge: C1A	Analysis Type: Qualitative	Dataset: 519557	Report UID: 2677/519557/4296	Laboratory: CZ023
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Groups Rolled Up: Adaltis - Adaltis MOLgen SARS-CoV-2 (n=5), Anatolia Geneworks - Anatolia Geneworks Bosphore nCoV (n=6), BGI - BGI Real Time PCR (n=5), Biocartis - Biocartis Idylla SARS-CoV-2 (n=5), Bioeksen - Bioeksen Biospeedy SARS-CoV-2 (n=5), Bioer Technologies - Bioer SARS-CoV-2 (n=5), Bioneer - Bioneer Accupower SARS-CoV-2 (n=5), DRW - DRW SAMBA II SARS-CoV-2 (n=12), DiaSorin - DiaSorin Simplexa COVID-19 (n=16), Easy Diagnosis Biomedicine - EasyDiagnosis SARS-CoV-2 (n=6), Eurobio Scientific - EurobioPlex SARS-CoV-2 (n=5), Gold Standard Diagnostics - GSD NovaPrime SARS-CoV-2 (n=5), Maccura Biotechnology - Maccura SARS-CoV-2 (n=6), Nonacus - Nonacus VirPath SARS-CoV-2 (n=10), PrimerDesign - PrimerDesign Genesig (n=12), ThermoFisher - ThermoFisher TaqPath COVID-19 (n=63), Yourgene Health - Yourgene Health Clarigene SARS-CoV-2 (n=5), fast-track DIAGNOSTICS - FTD SARS-CoV-2 (n=6)

SCV2_22C1A-03 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
SCV2_22C1A-03	SARS-CoV-2 Delta Variant B.1.617.2	Transport medium	3 dPCR Log10 Copies/ml (D1, DS2_2)	Frequently Detected	CORE	98.3	945

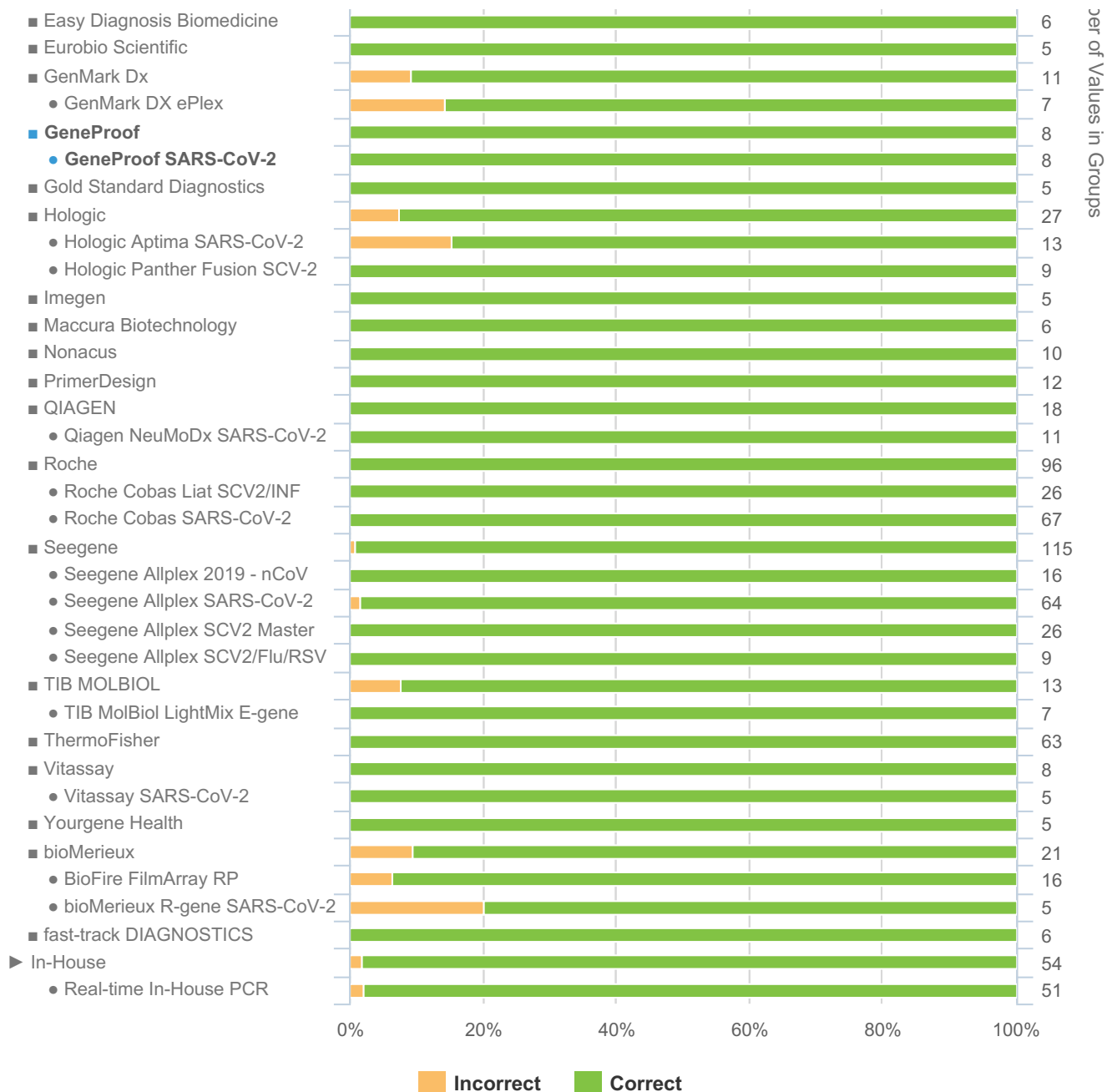


Individual Report

QCMD 2022 SARS-CoV-2 EQA Programme



Catalogue Code: QAV204215	Ref Code: SCV2_22	Challenge: C1A	Analysis Type: Qualitative	Dataset: 519557	Report UID: 2677/519557/4296	Laboratory: CZ023
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Individual Report

QCMD 2022 SARS-CoV-2 EQA Programme



Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV204215	SCV2_22	C1A	Qualitative	519557	2677/519557/4296	CZ023

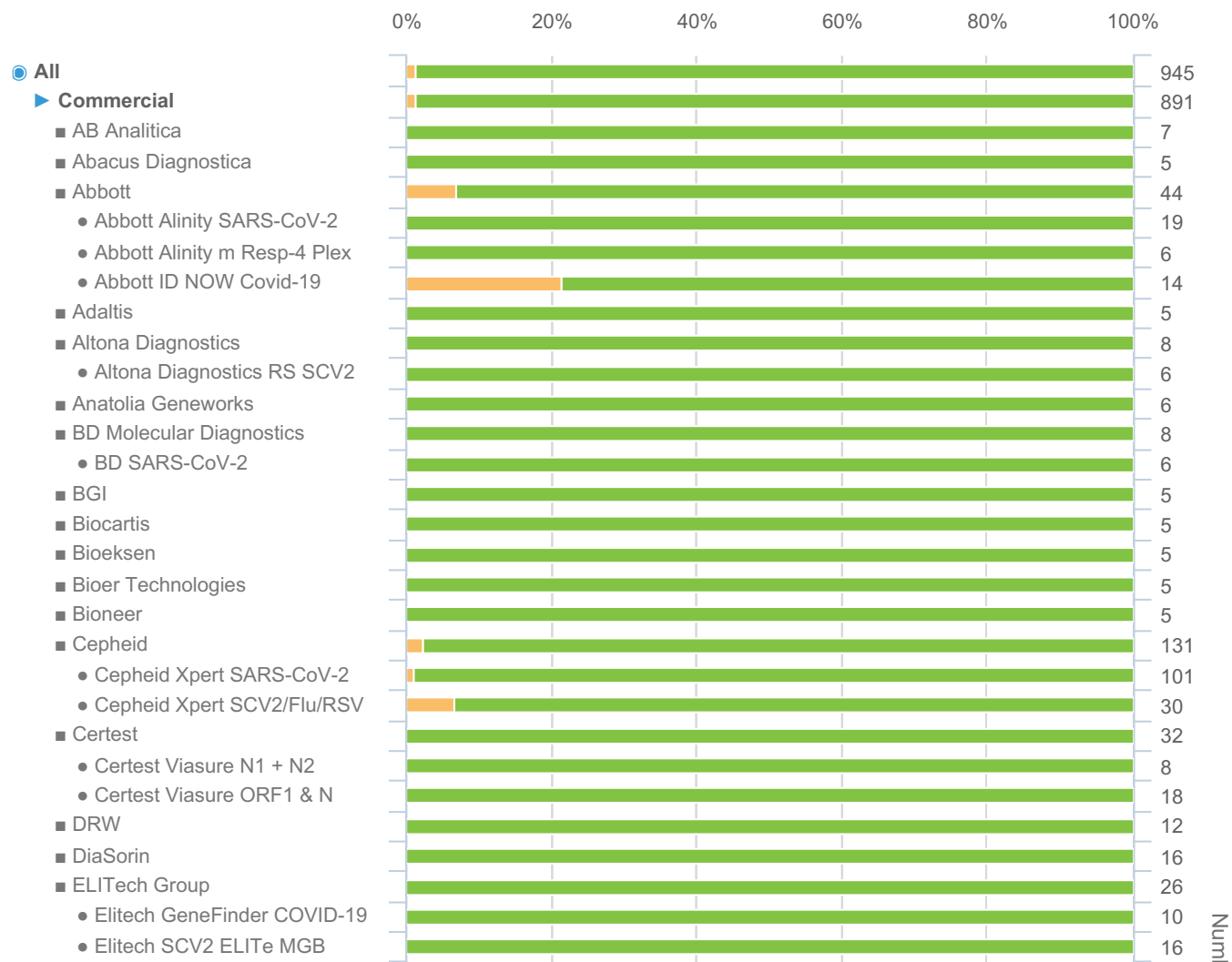
Groups below n=5: AB Analytica - AB Analytica RQ 2019-nCoV (n=4), AB Analytica - AB Analytica RQ ABFlu-CoV-2 (n=1), AB Analytica - AB Analytica RQ SCV2 (n=2), AMT (n=3), AMT - AMT Resolute SARS-CoV-2 (n=3), Abacus Diagnostica - Abacus Diagnostica SARS-CoV-2 (n=1), Abacus Diagnostica - Abacus GenomeEra SARS-CoV-2 (n=4), Abbott - Abbott Alinity m Resp 4-Plex (n=1), Abbott - Abbott RealTime m2000 SARS-CoV-2 (n=4), Algimed Techno (n=1), Algimed Techno - Algimed Alsense SARS-CoV-2 (n=1), Altona Diagnostica - Altona Diagnostica AS SCV2 (n=1), Altona Diagnostica - Altona Diagnostica FS SCV2 (n=1), Argen Biotech (n=1), Argen Biotech - Argen NoeDX SARS-CoV-2 (n=1), Astra Biotech (n=3), Astra Biotech - Astra Biotech SARS-CoV-2 (n=3), Astravir Technology (n=1), Astravir Technology - Astravir Technology SARS-CoV-2 (n=1), AusDiagnostics (n=4), AusDiagnostics - AusDiagnostics High-Plex (n=4), BAG Diagnostica (n=1), BAG Diagnostica - ViroQ SCV/INF/RSV (n=1), BD Molecular Diagnostics - BD SARS-CoV-2/Flu (n=2), Bio-Rad (n=4), Bio-Rad - Bio-Rad SARS-CoV-2 (n=4), BioMaxima (n=1), BioMaxima - Biomaxima SARS-CoV-2 (n=1), CDC (n=3), CDC - CDC SARS-CoV-2 (n=3), Certest - Certest Viasure ORF1, E & N (n=1), Certest - Certest Viasure S (n=1), Certest - Certest Viasure SARS-CoV-2 & UK Variant (n=1), Certest - Certest Viasure SCV2/FLU/RSV (n=3), Clonit (n=1), Clonit - Clonit COVID-19 HT Screen (n=1), Co-Diagnostics (n=2), Co-Diagnostics - Co-Diagnostics Inc Logix Smart (n=2), Coyote Bioscience (n=3), Coyote Bioscience - Coyote Bioscience SARS-CoV-2 (n=3), DAAN GENE (n=4), DAAN GENE - DAAN Gene Covid-19 (n=4), DS Bio Nano Technology (n=1), DS Bio Nano Technology - DS CORONEX COVID-19 (n=1), DiaPro (n=1), DiaPro - DiaPro COVID-19 (n=1), Diatheva (n=3), Diatheva - Diatheva COVID-19 (n=3), EUROIMMUN (n=2), EUROIMMUN - EURO RealTime SARS-CoV-2 (n=2), Elisabeth Pharmacon (n=1), Elisabeth Pharmacon - Elisabeth Pharmacon EliGene COVID-19 (n=1), Eurofins (n=2), Eurofins - Eurofins ViroBOAR (n=2), FMBA (n=1), FMBA - FMBA AmpliTest SARS-CoV-2 (n=1), GenMark Dx - GenMark GeneMAP 2019-nCoV (SARS-CoV-2) (n=4), GeneMe (n=2), GeneMe - GeneMe CoVi19 (n=2), GeneReach (n=1), GeneReach - GeneReach POKKIT SCV2 (n=1), Genematrix (n=1), Genematrix - Genematrix NeoPlex COVID-19 (n=1), Generon (n=1), Generon - Generon VETfinder (n=1), Genetic Signatures (n=2), Genetic Signatures - Genetic Signatures SARS-CoV-2 (n=2), Genrui Biotech Inc. (n=1), Genrui Biotech Inc. - Genrui Novel Coronavirus Detection Kit (n=1), Gerbion (n=1), Gerbion - Gerbion virella SARS-CoV-2 (n=1), Hain Lifescience (n=1), Hain Lifescience - Hain Lifescience SARS-CoV-2 varID (n=1), Hologic - Hologic Aptima SCV2/Flu (n=4), Hologic - Hologic Panther Fusion (n=1), ID-Solutions (n=3), ID-Solutions - ID SARS CoV-2 (n=3), IDT (n=1), IDT - IDT 2019-nCoV (n=1), Imegen - Imegen SARS-CoV-2 (n=2), Imegen - Imegen SARS-CoV-2 Plus (n=3), Invitrogen (n=1), Invitrogen - Invitrogen SuperScript (n=1), Jiangsu Bioperfectus technologies (n=1), Jiangsu Bioperfectus technologies - Jiangsu Bioperfectus technologies COVID-19 (n=1), KrosGen (n=1), KrosGen - KrosGen KrosQuant SARS-CoV-2 (n=1), LGC Biosearch Technologies (n=1), LGC Biosearch Technologies - LGC UltraDx SARS-CoV-2 (n=1), Labsystems Diagnostics (n=3), Labsystems Diagnostics - Labsystems Diagnostics COVID-19 (n=3), LifeReal (n=1), LifeReal - LifeReal COVID-19 (n=1), Liferiver (n=2), Liferiver - Liferiver 2019-nCoV (n=2), Lifotronic (n=1), Lifotronic - Lifotronic SARS-CoV-2 (n=1), Luminex (n=3), Luminex - Luminex ARIES SCV2 (n=2), Luminex - Luminex NxTAG RPP + SCV2 (n=1), LumiraDx (n=1), LumiraDx - LumiraDx RNA STAR SARS-CoV-2 (n=1), MedicoFarma (n=4), MedicoFarma - MedicoFarma MediPAN COVID SARS-CoV-2 (n=4), MiRXES (n=1), MiRXES - MiRXES Fortitude Covid-19 (n=1), Mikrogen (n=2), Mikrogen - Mikrogen ampliCube Coronavirus/SCV2 (n=1), Mikrogen - Mikrogen ampliCube FLU/SCV2 (n=1), Mobidiag (n=3), Mobidiag - Mobidiag Amplidiag (n=1), Mobidiag - Mobidiag Novodiag (n=1), Mobidiag - Mobidiag Novodiag COVID-19 (n=1), MultiplexDX (n=1), MultiplexDX - MultiplexDX rTEST COVID-19 (n=1), NEB (n=1), NEB - NEB Luna SARS-CoV-2 (n=1), NZYTech (n=1), NZYTech - NZYTech SARS-CoV-2 (n=1), PathoFinder (n=2), PathoFinder - PathoFinder RealAccurate SARS-CoV-2 (n=2), PaxGenBio (n=2), PaxGenBio - PaxGenBio PaxView SCV2 (n=2), PentaBase (n=1), PentaBase - PentaBase CoviDetect (n=1), PerkinElmer (n=4), PerkinElmer - PerkinElmer SARS-CoV-2 Real Time PCR (n=4), Phase Scientific (n=2), Phase Scientific - Phase Scientific Covid-19 (n=2), Promega (n=1), Promega - Promega SARS-CoV-2 (n=1), Q-Sens (n=2), Q-Sens - Q-Sens COVID-19 (n=2), QIAGEN - QIAGEN Artus Real Time (n=2), QIAGEN - Qiagen NeuMoDx (n=1), QIAGEN - Qiagen QIAstat-Dx SCV2 (n=4), Quantabio (n=1), Quantabio - Quantabio Script One-Step Covid-19 (n=1), R-Biopharm (n=4), R-Biopharm - R-Biopharm RIDA Gene FLU & SARS (n=1), R-Biopharm - R-Biopharm RIDA Gene SCV2 (n=3), RTA Laboratories (n=1), RTA Laboratories - RTA Laboratories Real Time SCV2 (n=1), Roche - Roche Cobas Liat SARS-CoV-2 (n=3), Sacace (n=1), Sacace - Sacace SARS-CoV-2 (n=1), Sansure Biotech (n=2), Sansure Biotech - Sansure Biotech nCoV PCR Kit (n=2), Sentebiolab (n=2), Sentebiolab - Sentebiolab Senteligo SARS-CoV-2 (n=2), SeroSep (n=2), SeroSep - SeroSep RespiBio SARS-CoV-2 (n=2), Shanghai Fosun Pharmaceutical (n=3), Shanghai Fosun Pharmaceutical - Shanghai Fosun Real Time PCR (n=3), SolGent (n=1), SolGent - SolGent DiaPlexQ-nCoV (n=1), SpeedX (n=1), SpeedX - SpeedX PlexPrime SCV-2 (n=1), Syntol (n=4), Syntol - Syntol SARS-CoV-2 (n=4), TIB MOLBIOL - TIB MolBioLightMix E/N-gene (n=1), TIB MOLBIOL - TIB MolBioLightMix E/N/RdRP (n=3), TIB MOLBIOL - TIB MolBioLightMix E/RdRP (n=2), Vector-Best (n=1), Vector-Best - Vector-Best Real Time SCV-2 (n=1), Vela Diagnostics (n=1), Vela Diagnostics - Vela ViroKey SARS-CoV-2 (n=1), Vircell (n=1), Vircell - Vircell Direct SARS-CoV-2 (n=1), Vitassay - Vitassay SARS-CoV-2 + UK Variant (n=1), Vitassay - Vitassay SCV2/FLU (n=1), Vitassay - Vitassay SCV2/Flu/RSV (n=1), Zybion (n=1), Zybion - Zybion SARS-CoV-2 (n=1), idil biotech (n=1), idil biotech - idilbiotech RevoDX SCV2 (n=1), In-House - Conventional In-House PCR (n=3)

Catalogue Code: QAV204215	Ref Code: SCV2_22	Challenge: C1A	Analysis Type: Qualitative	Dataset: 519557	Report UID: 2677/519557/4296	Laboratory CZ023
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Groups Rolled Up: Adaltis - Adaltis MOLgen SARS-CoV-2 (n=5), Anatolia Geneworks - Anatolia Geneworks Bosphore nCoV (n=6), BGI - BGI Real Time PCR (n=5), Biocartis - Biocartis Idylla SARS-CoV-2 (n=5), Bioeksen - Bioeksen Biospeedy SARS-CoV-2 (n=5), Bioer Technologies - Bioer SARS-CoV-2 (n=5), Bioneer - Bioneer Accupower SARS-CoV-2 (n=5), DRW - DRW SAMBA II SARS-CoV-2 (n=12), DiaSorin - DiaSorin Simplexa COVID-19 (n=16), Easy Diagnosis Biomedicine - EasyDiagnosis SARS-CoV-2 (n=6), Eurobio Scientific - EurobioPlex SARS-CoV-2 (n=5), Gold Standard Diagnostics - GSD NovaPrime SARS-CoV-2 (n=5), Maccura Biotechnology - Maccura SARS-CoV-2 (n=6), Nonacus - Nonacus VirPath SARS-CoV-2 (n=10), PrimerDesign - PrimerDesign Genesig (n=12), ThermoFisher - ThermoFisher TaqPath COVID-19 (n=63), Yourgene Health - Yourgene Health Clarigene SARS-CoV-2 (n=5), fast-track DIAGNOSTICS - FTD SARS-CoV-2 (n=6)

SCV2_22C1A-04 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
SCV2_22C1A-04	SARS-CoV-2 Delta Variant B.1.617.2	Transport medium	4 dPCR Log10 Copies/ml (DS2_1)	Frequently Detected	CORE	98.8	945

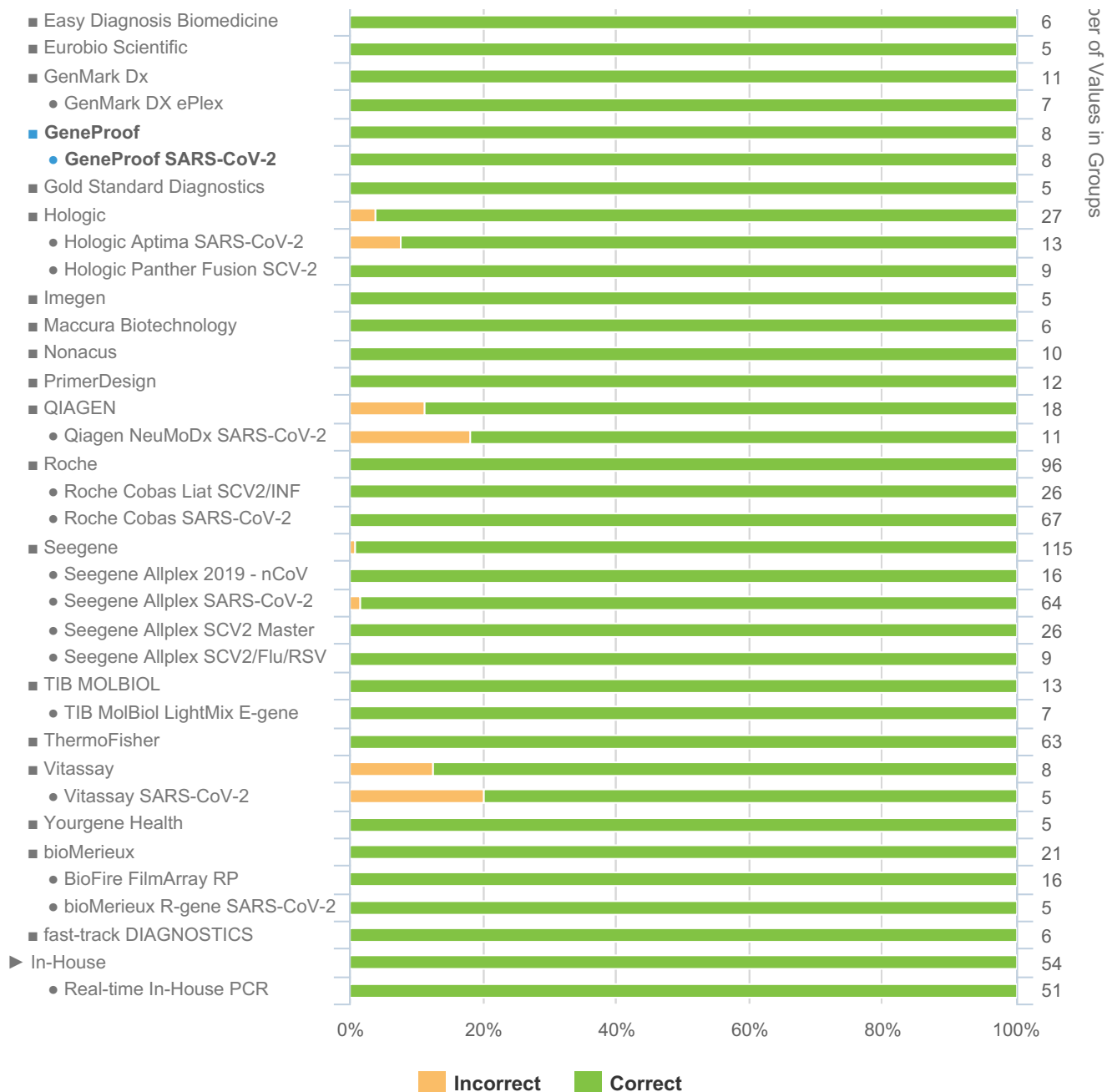


Individual Report

QCMD 2022 SARS-CoV-2 EQA Programme



Catalogue Code: QAV204215	Ref Code: SCV2_22	Challenge: C1A	Analysis Type: Qualitative	Dataset: 519557	Report UID: 2677/519557/4296	Laboratory: CZ023
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Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV204215	SCV2_22	C1A	Qualitative	519557	2677/519557/4296	CZ023

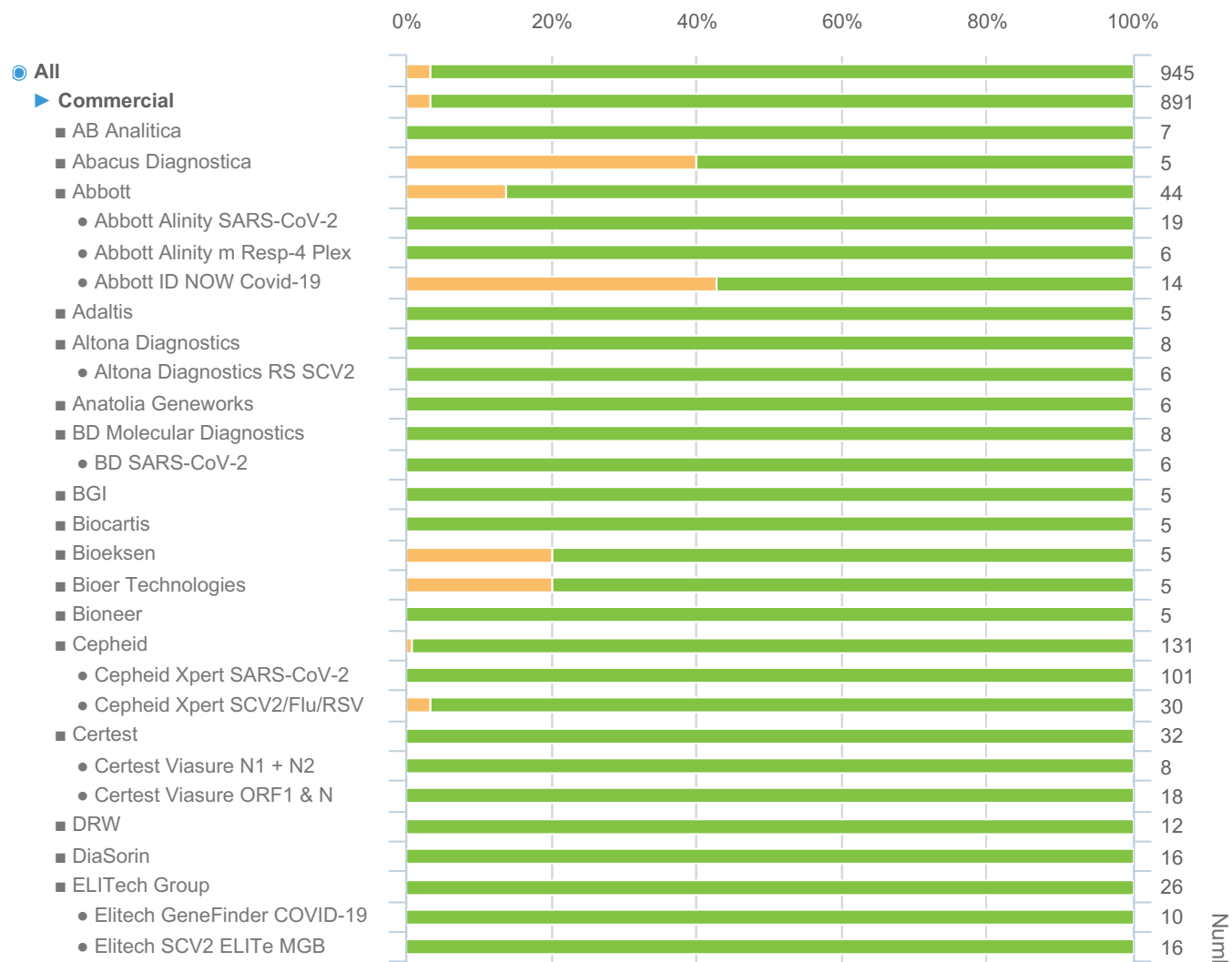
Groups below n=5: AB Analytica - AB Analytica RQ 2019-nCoV (n=4), AB Analytica - AB Analytica RQ ABFlu-CoV-2 (n=1), AB Analytica - AB Analytica RQ SCV2 (n=2), AMT (n=3), AMT - AMT Resolute SARS-CoV-2 (n=3), Abacus Diagnostica - Abacus Diagnostica SARS-CoV-2 (n=1), Abacus Diagnostica - Abacus GenomeEra SARS-CoV-2 (n=4), Abbott - Abbott Alinity m Resp 4-Plex (n=1), Abbott - Abbott RealTime m2000 SARS-CoV-2 (n=4), Algimed Techno (n=1), Algimed Techno - Algimed Alsense SARS-CoV-2 (n=1), Altona Diagnostica - Altona Diagnostica AS SCV2 (n=1), Altona Diagnostica - Altona Diagnostica FS SCV2 (n=1), Argen Biotech (n=1), Argen Biotech - Argen NoeDX SARS-CoV-2 (n=1), Astra Biotech (n=3), Astra Biotech - Astra Biotech SARS-CoV-2 (n=3), Astravir Technology (n=1), Astravir Technology - Astravir Technology SARS-CoV-2 (n=1), AusDiagnostics (n=4), AusDiagnostics - AusDiagnostics High-Plex (n=4), BAG Diagnostica (n=1), BAG Diagnostica - ViroQ SCV/INF/RSV (n=1), BD Molecular Diagnostics - BD SARS-CoV-2/Flu (n=2), Bio-Rad (n=4), Bio-Rad - Bio-Rad SARS-CoV-2 (n=4), BioMaxima (n=1), BioMaxima - Biomaxima SARS-CoV-2 (n=1), CDC (n=3), CDC - CDC SARS-CoV-2 (n=3), Certest - Certest Viasure ORF1, E & N (n=1), Certest - Certest Viasure S (n=1), Certest - Certest Viasure SARS-CoV-2 & UK Variant (n=1), Certest - Certest Viasure SCV2/FLU/RSV (n=3), Clonit (n=1), Clonit - Clonit COVID-19 HT Screen (n=1), Co-Diagnostics (n=2), Co-Diagnostics - Co-Diagnostics Inc Logix Smart (n=2), Coyote Bioscience (n=3), Coyote Bioscience - Coyote Bioscience SARS-CoV-2 (n=3), DAAN GENE (n=4), DAAN GENE - DAAN Gene Covid-19 (n=4), DS Bio Nano Technology (n=1), DS Bio Nano Technology - DS CORONEX COVID-19 (n=1), DiaPro (n=1), DiaPro - DiaPro COVID-19 (n=1), Diatheva (n=3), Diatheva - Diatheva COVID-19 (n=3), EUROIMMUN (n=2), EUROIMMUN - EURO RealTime SARS-CoV-2 (n=2), Elisabeth Pharmacon (n=1), Elisabeth Pharmacon - Elisabeth Pharmacon EliGene COVID-19 (n=1), Eurofins (n=2), Eurofins - Eurofins ViroBOAR (n=2), FMBA (n=1), FMBA - FMBA AmpliTest SARS-CoV-2 (n=1), GenMark Dx - GenMark GeneMAP 2019-nCoV (SARS-CoV-2) (n=4), GeneMe (n=2), GeneMe - GeneMe CoVi19 (n=2), GeneReach (n=1), GeneReach - GeneReach POCKIT SCV2 (n=1), Genematrix (n=1), Genematrix - Genematrix NeoPlex COVID-19 (n=1), Generon (n=1), Generon - Generon VETfinder (n=1), Genetic Signatures (n=2), Genetic Signatures - Genetic Signatures SARS-CoV-2 (n=2), Genrui Biotech Inc. (n=1), Genrui Biotech Inc. - Genrui Novel Coronavirus Detection Kit (n=1), Gerbion (n=1), Gerbion - Gerbion virella SARS-CoV-2 (n=1), Hain Lifescience (n=1), Hain Lifescience - Hain Lifescience SARS-CoV-2 varID (n=1), Hologic - Hologic Aptima SCV2/Flu (n=4), Hologic - Hologic Panther Fusion (n=1), ID-Solutions (n=3), ID-Solutions - ID SARS CoV-2 (n=3), IDT (n=1), IDT - IDT 2019-nCoV (n=1), Imegen - Imegen SARS-CoV-2 (n=2), Imegen - Imegen SARS-CoV-2 Plus (n=3), Invitrogen (n=1), Invitrogen - Invitrogen SuperScript (n=1), Jiangsu Bioperfectus technologies (n=1), Jiangsu Bioperfectus technologies - Jiangsu Bioperfectus technologies COVID-19 (n=1), KrosGen (n=1), KrosGen - KrosGen KrosQuant SARS-CoV-2 (n=1), LGC Biosearch Technologies (n=1), LGC Biosearch Technologies - LGC UltraDx SARS-CoV-2 (n=1), Labsystems Diagnostics (n=3), Labsystems Diagnostics - Labsystems Diagnostics COVID-19 (n=3), LifeReal (n=1), LifeReal - LifeReal COVID-19 (n=1), Liferiver (n=2), Liferiver - Liferiver 2019-nCoV (n=2), Lifotronic (n=1), Lifotronic - Lifotronic SARS-CoV-2 (n=1), Luminex (n=3), Luminex - Luminex ARIES SCV2 (n=2), Luminex - Luminex NxTAG RPP + SCV2 (n=1), LumiraDx (n=1), LumiraDx - LumiraDx RNA STAR SARS-CoV-2 (n=1), MedicoFarma (n=4), MedicoFarma - MedicoFarma MediPAN COVID SARS-CoV-2 (n=4), MiRXES (n=1), MiRXES - MiRXES Fortitude Covid-19 (n=1), Mikrogen (n=2), Mikrogen - Mikrogen ampliCube Coronavirus/SCV2 (n=1), Mikrogen - Mikrogen ampliCube FLU/SCV2 (n=1), Mobidiag (n=3), Mobidiag - Mobidiag Amplidiag (n=1), Mobidiag - Mobidiag Novodiag (n=1), Mobidiag - Mobidiag Novodiag COVID-19 (n=1), MultiplexDX (n=1), MultiplexDX - MultiplexDX rTEST COVID-19 (n=1), NEB (n=1), NEB - NEB Luna SARS-CoV-2 (n=1), NZYTech (n=1), NZYTech - NZYTech SARS-CoV-2 (n=1), PathoFinder (n=2), PathoFinder - PathoFinder RealAccurate SARS-CoV-2 (n=2), PaxGenBio (n=2), PaxGenBio - PaxGenBio PaxView SCV2 (n=2), PentaBase (n=1), PentaBase - PentaBase CoviDetect (n=1), PerkinElmer (n=4), PerkinElmer - PerkinElmer SARS-CoV-2 Real Time PCR (n=4), Phase Scientific (n=2), Phase Scientific - Phase Scientific Covid-19 (n=2), Promega (n=1), Promega - Promega SARS-CoV-2 (n=1), Q-Sens (n=2), Q-Sens - Q-Sens COVID-19 (n=2), QIAGEN - QIAGEN Artus Real Time (n=2), QIAGEN - Qiagen NeuMoDx (n=1), QIAGEN - Qiagen QIAstat-Dx SCV2 (n=4), Quantabio (n=1), Quantabio - Quantabio Script One-Step Covid-19 (n=1), R-Biopharm (n=4), R-Biopharm - R-Biopharm RIDA Gene FLU & SARS (n=1), R-Biopharm - R-Biopharm RIDA Gene SCV2 (n=3), RTA Laboratories (n=1), RTA Laboratories - RTA Laboratories Real Time SCV2 (n=1), Roche - Roche Cobas Liat SARS-CoV-2 (n=3), Sacace (n=1), Sacace - Sacace SARS-CoV-2 (n=1), Sansure Biotech (n=2), Sansure Biotech - Sansure Biotech nCoV PCR Kit (n=2), Sentebiolab (n=2), Sentebiolab - Sentebiolab Senteligo SARS-CoV-2 (n=2), SeroSep (n=2), SeroSep - SeroSep RespiBio SARS-CoV-2 (n=2), Shanghai Fosun Pharmaceutical (n=3), Shanghai Fosun Pharmaceutical - Shanghai Fosun Real Time PCR (n=3), SolGent (n=1), SolGent - SolGent DiaPlexQ-nCoV (n=1), SpeedX (n=1), SpeedX - SpeedX PlexPrime SCV-2 (n=1), Syntol (n=4), Syntol - Syntol SARS-CoV-2 (n=4), TIB MOLBIOL - TIB MolBioLightMix E/N-gene (n=1), TIB MOLBIOL - TIB MolBioLightMix E/N/RdRP (n=3), TIB MOLBIOL - TIB MolBioLightMix E/RdRP (n=2), Vector-Best (n=1), Vector-Best - Vector-Best Real Time SCV-2 (n=1), Vela Diagnostics (n=1), Vela Diagnostics - Vela ViroKey SARS-CoV-2 (n=1), Vircell (n=1), Vircell - Vircell Direct SARS-CoV-2 (n=1), Vitassay - Vitassay SARS-CoV-2 + UK Variant (n=1), Vitassay - Vitassay SCV2/FLU (n=1), Vitassay - Vitassay SCV2/Flu/RSV (n=1), Zybion (n=1), Zybion - Zybion SARS-CoV-2 (n=1), idil biotech (n=1), idil biotech - idilbiotech RevoDX SCV2 (n=1), In-House - Conventional In-House PCR (n=3)

Catalogue Code: QAV204215	Ref Code: SCV2_22	Challenge: C1A	Analysis Type: Qualitative	Dataset: 519557	Report UID: 2677/519557/4296	Laboratory CZ023
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Groups Rolled Up: Adaltis - Adaltis MOLgen SARS-CoV-2 (n=5), Anatolia Geneworks - Anatolia Geneworks Bosphore nCoV (n=6), BGI - BGI Real Time PCR (n=5), Biocartis - Biocartis Idylla SARS-CoV-2 (n=5), Bioeksen - Bioeksen Biospeedy SARS-CoV-2 (n=5), Bioer Technologies - Bioer SARS-CoV-2 (n=5), Bioneer - Bioneer Accupower SARS-CoV-2 (n=5), DRW - DRW SAMBA II SARS-CoV-2 (n=12), DiaSorin - DiaSorin Simplexa COVID-19 (n=16), Easy Diagnosis Biomedicine - EasyDiagnosis SARS-CoV-2 (n=6), Eurobio Scientific - EurobioPlex SARS-CoV-2 (n=5), Gold Standard Diagnostics - GSD NovaPrime SARS-CoV-2 (n=5), Maccura Biotechnology - Maccura SARS-CoV-2 (n=6), Nonacus - Nonacus VirPath SARS-CoV-2 (n=10), PrimerDesign - PrimerDesign Genesig (n=12), ThermoFisher - ThermoFisher TaqPath COVID-19 (n=63), Yourgene Health - Yourgene Health Clarigene SARS-CoV-2 (n=5), fast-track DIAGNOSTICS - FTD SARS-CoV-2 (n=6)

SCV2_22C1A-05 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
SCV2_22C1A-05	SARS-CoV-2 Lineage B.1	Transport medium	3 dPCR Log10 Copies/ml (DS1_2)	Frequently Detected	CORE	96.7	945

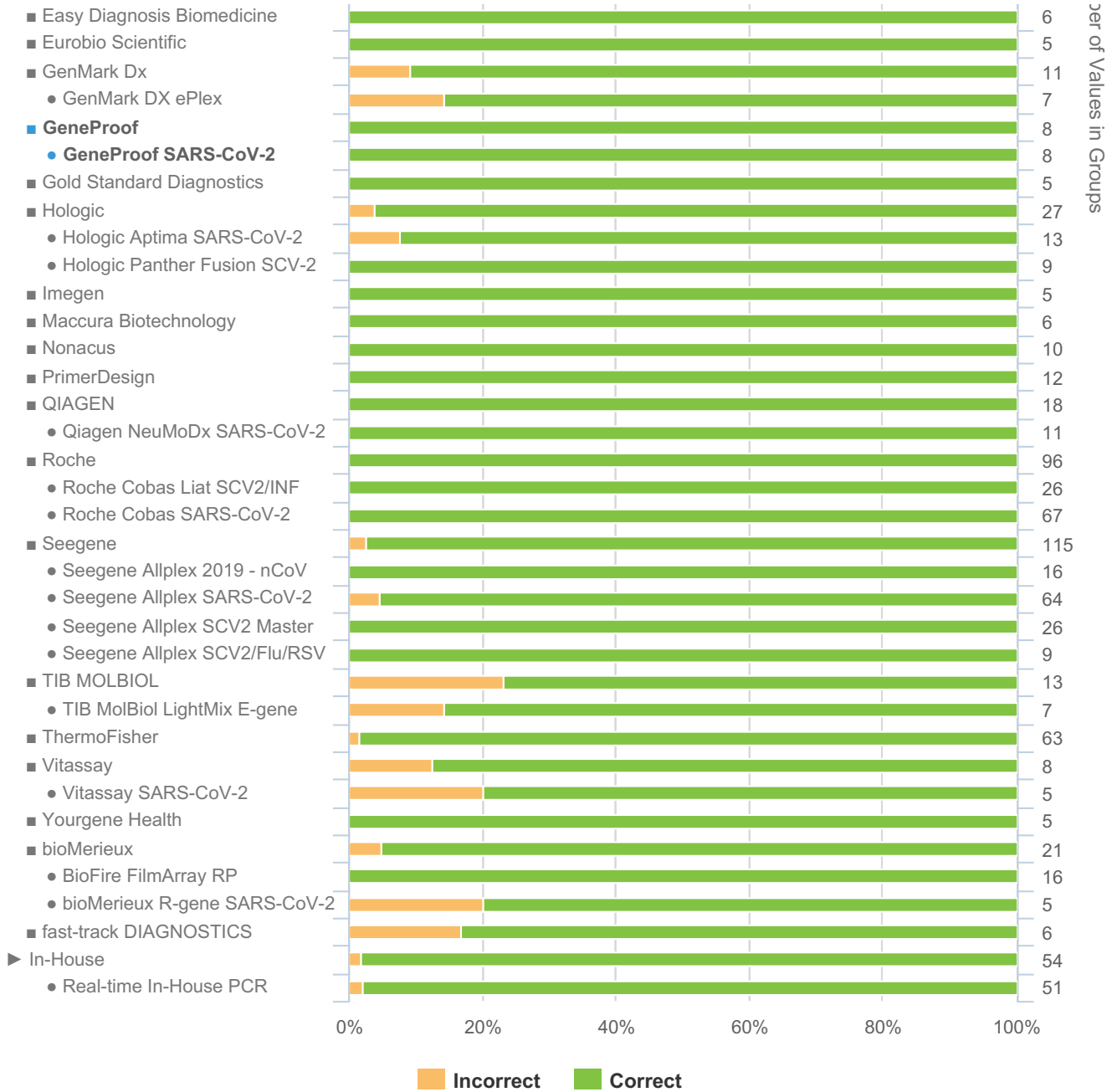


Individual Report

QCMD 2022 SARS-CoV-2 EQA Programme



Catalogue Code: QAV204215	Ref Code: SCV2_22	Challenge: C1A	Analysis Type: Qualitative	Dataset: 519557	Report UID: 2677/519557/4296	Laboratory: CZ023
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Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory
QAV204215	SCV2_22	C1A	Qualitative	519557	2677/519557/4296	CZ023

Groups below n=5: AB Analytica - AB Analytica RQ 2019-nCoV (n=4), AB Analytica - AB Analytica RQ ABFlu-CoV-2 (n=1), AB Analytica - AB Analytica RQ SCV2 (n=2), AMT (n=3), AMT - AMT Resolute SARS-CoV-2 (n=3), Abacus Diagnostica - Abacus Diagnostica SARS-CoV-2 (n=1), Abacus Diagnostica - Abacus GenomeEra SARS-CoV-2 (n=4), Abbott - Abbott Alinity m Resp 4-Plex (n=1), Abbott - Abbott RealTime m2000 SARS-CoV-2 (n=4), Algimed Techno (n=1), Algimed Techno - Algimed Alsense SARS-CoV-2 (n=1), Altona Diagnostica - Altona Diagnostica AS SCV2 (n=1), Altona Diagnostica - Altona Diagnostica FS SCV2 (n=1), Argen Biotech (n=1), Argen Biotech - Argen NoeDX SARS-CoV-2 (n=1), Astra Biotech (n=3), Astra Biotech - Astra Biotech SARS-CoV-2 (n=3), Astravir Technology (n=1), Astravir Technology - Astravir Technology SARS-CoV-2 (n=1), AusDiagnostics (n=4), AusDiagnostics - AusDiagnostics High-Plex (n=4), BAG Diagnostica (n=1), BAG Diagnostica - ViroQ SCV/INF/RSV (n=1), BD Molecular Diagnostics - BD SARS-CoV-2/Flu (n=2), Bio-Rad (n=4), Bio-Rad - Bio-Rad SARS-CoV-2 (n=4), BioMaxima (n=1), BioMaxima - Biomaxima SARS-CoV-2 (n=1), CDC (n=3), CDC - CDC SARS-CoV-2 (n=3), Certest - Certest Viasure ORF1, E & N (n=1), Certest - Certest Viasure S (n=1), Certest - Certest Viasure SARS-CoV-2 & UK Variant (n=1), Certest - Certest Viasure SCV2/FLU/RSV (n=3), Clonit (n=1), Clonit - Clonit COVID-19 HT Screen (n=1), Co-Diagnostics (n=2), Co-Diagnostics - Co-Diagnostics Inc Logix Smart (n=2), Coyote Bioscience (n=3), Coyote Bioscience - Coyote Bioscience SARS-CoV-2 (n=3), DAAN GENE (n=4), DAAN GENE - DAAN Gene Covid-19 (n=4), DS Bio Nano Technology (n=1), DS Bio Nano Technology - DS CORONEX COVID-19 (n=1), DiaPro (n=1), DiaPro - DiaPro COVID-19 (n=1), Diatheva (n=3), Diatheva - Diatheva COVID-19 (n=3), EUROIMMUN (n=2), EUROIMMUN - EURO RealTime SARS-CoV-2 (n=2), Elisabeth Pharmacon (n=1), Elisabeth Pharmacon - Elisabeth Pharmacon EliGene COVID-19 (n=1), Eurofins (n=2), Eurofins - Eurofins ViroBOAR (n=2), FMBA (n=1), FMBA - FMBA AmpliTest SARS-CoV-2 (n=1), GenMark Dx - GenMark GeneMAP 2019-nCoV (SARS-CoV-2) (n=4), GeneMe (n=2), GeneMe - GeneMe CoVi19 (n=2), GeneReach (n=1), GeneReach - GeneReach POKKIT SCV2 (n=1), Genematrix (n=1), Genematrix - Genematrix NeoPlex COVID-19 (n=1), Generon (n=1), Generon - Generon VETfinder (n=1), Genetic Signatures (n=2), Genetic Signatures - Genetic Signatures SARS-CoV-2 (n=2), Genrui Biotech Inc. (n=1), Genrui Biotech Inc. - Genrui Novel Coronavirus Detection Kit (n=1), Gerbion (n=1), Gerbion - Gerbion virella SARS-CoV-2 (n=1), Hain Lifescience (n=1), Hain Lifescience - Hain Lifescience SARS-CoV-2 varID (n=1), Hologic - Hologic Aptima SCV2/Flu (n=4), Hologic - Hologic Panther Fusion (n=1), ID-Solutions (n=3), ID-Solutions - ID SARS CoV-2 (n=3), IDT (n=1), IDT - IDT 2019-nCoV (n=1), Imegen - Imegen SARS-CoV-2 (n=2), Imegen - Imegen SARS-CoV-2 Plus (n=3), Invitrogen (n=1), Invitrogen - Invitrogen SuperScript (n=1), Jiangsu Bioperfectus technologies (n=1), Jiangsu Bioperfectus technologies - Jiangsu Bioperfectus technologies COVID-19 (n=1), KrosGen (n=1), KrosGen - KrosGen KrosQuant SARS-CoV-2 (n=1), LGC Biosearch Technologies (n=1), LGC Biosearch Technologies - LGC UltraDx SARS-CoV-2 (n=1), Labsystems Diagnostics (n=3), Labsystems Diagnostics - Labsystems Diagnostics COVID-19 (n=3), LifeReal (n=1), LifeReal - LifeReal COVID-19 (n=1), Liferiver (n=2), Liferiver - Liferiver 2019-nCoV (n=2), Lifotronic (n=1), Lifotronic - Lifotronic SARS-CoV-2 (n=1), Luminex (n=3), Luminex - Luminex ARIES SCV2 (n=2), Luminex - Luminex NxTAG RPP + SCV2 (n=1), LumiraDx (n=1), LumiraDx - LumiraDx RNA STAR SARS-CoV-2 (n=1), MedicoFarma (n=4), MedicoFarma - MedicoFarma MediPAN COVID SARS-CoV-2 (n=4), MiRXES (n=1), MiRXES - MiRXES Fortitude Covid-19 (n=1), Mikrogen (n=2), Mikrogen - Mikrogen ampliCube Coronavirus/SCV2 (n=1), Mikrogen - Mikrogen ampliCube FLU/SCV2 (n=1), Mobidiag (n=3), Mobidiag - Mobidiag Amplidiag (n=1), Mobidiag - Mobidiag Novodiag (n=1), Mobidiag - Mobidiag Novodiag COVID-19 (n=1), MultiplexDX (n=1), MultiplexDX - MultiplexDX rTEST COVID-19 (n=1), NEB (n=1), NEB - NEB Luna SARS-CoV-2 (n=1), NZYTech (n=1), NZYTech - NZYTech SARS-CoV-2 (n=1), PathoFinder (n=2), PathoFinder - PathoFinder RealAccurate SARS-CoV-2 (n=2), PaxGenBio (n=2), PaxGenBio - PaxGenBio PaxView SCV2 (n=2), PentaBase (n=1), PentaBase - PentaBase CoviDetect (n=1), PerkinElmer (n=4), PerkinElmer - PerkinElmer SARS-CoV-2 Real Time PCR (n=4), Phase Scientific (n=2), Phase Scientific - Phase Scientific Covid-19 (n=2), Promega (n=1), Promega - Promega SARS-CoV-2 (n=1), Q-Sens (n=2), Q-Sens - Q-Sens COVID-19 (n=2), QIAGEN - QIAGEN Artus Real Time (n=2), QIAGEN - Qiagen NeuMoDx (n=1), QIAGEN - Qiagen QIAstat-Dx SCV2 (n=4), Quantabio (n=1), Quantabio - Quantabio Script One-Step Covid-19 (n=1), R-Biopharm (n=4), R-Biopharm - R-Biopharm RIDA Gene FLU & SARS (n=1), R-Biopharm - R-Biopharm RIDA Gene SCV2 (n=3), RTA Laboratories (n=1), RTA Laboratories - RTA Laboratories Real Time SCV2 (n=1), Roche - Roche Cobas Liat SARS-CoV-2 (n=3), Sacace (n=1), Sacace - Sacace SARS-CoV-2 (n=1), Sansure Biotech (n=2), Sansure Biotech - Sansure Biotech nCoV PCR Kit (n=2), Sentebiolab (n=2), Sentebiolab - Sentebiolab Senteligo SARS-CoV-2 (n=2), Serosep (n=2), Serosep - Serosep RespiBio SARS-CoV-2 (n=2), Shanghai Fosun Pharmaceutical (n=3), Shanghai Fosun Pharmaceutical - Shanghai Fosun Real Time PCR (n=3), SolGent (n=1), SolGent - SolGent DiaPlexQ-nCoV (n=1), SpeedX (n=1), SpeedX - SpeedX PlexPrime SCV-2 (n=1), Syntol (n=4), Syntol - Syntol SARS-CoV-2 (n=4), TIB MOLBIOL - TIB MolBiol LightMix E/N-gene (n=1), TIB MOLBIOL - TIB MolBiol LightMix E/N/RdRP (n=3), TIB MOLBIOL - TIB MolBiol LightMix E/RdRP (n=2), Vector-Best (n=1), Vector-Best - Vector-Best Real Time SCV-2 (n=1), Vela Diagnostics (n=1), Vela Diagnostics - Vela ViroKey SARS-CoV-2 (n=1), Vircell (n=1), Vircell - Vircell Direct SARS-CoV-2 (n=1), Vitassay - Vitassay SARS-CoV-2 + UK Variant (n=1), Vitassay - Vitassay SCV2/FLU (n=1), Vitassay - Vitassay SCV2/Flu/RSV (n=1), Zybion (n=1), Zybion - Zybion SARS-CoV-2 (n=1), idil biotech (n=1), idil biotech - idilbiotech RevoDX SCV2 (n=1), In-House - Conventional In-House PCR (n=3)

Individual Report

QCMD 2022 SARS-CoV-2 EQA Programme



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Groups Rolled Up: Adaltis - Adaltis MOLgen SARS-CoV-2 (n=5), Anatolia Geneworks - Anatolia Geneworks Bosphore nCoV (n=6), BGI - BGI Real Time PCR (n=5), Biocartis - Biocartis Idylla SARS-CoV-2 (n=5), Bioeksen - Bioeksen Biospeedy SARS-CoV-2 (n=5), Bioer Technologies - Bioer SARS-CoV-2 (n=5), Bioneer - Bioneer Accupower SARS-CoV-2 (n=5), DRW - DRW SAMBA II SARS-CoV-2 (n=12), DiaSorin - DiaSorin Simplexa COVID-19 (n=16), Easy Diagnosis Biomedicine - EasyDiagnosis SARS-CoV-2 (n=6), Eurobio Scientific - EurobioPlex SARS-CoV-2 (n=5), Gold Standard Diagnostics - GSD NovaPrime SARS-CoV-2 (n=5), Maccura Biotechnology - Maccura SARS-CoV-2 (n=6), Nonacus - Nonacus VirPath SARS-CoV-2 (n=10), PrimerDesign - PrimerDesign Genesig (n=12), ThermoFisher - ThermoFisher TaqPath COVID-19 (n=63), Yourgene Health - Yourgene Health Clarigene SARS-CoV-2 (n=5), fast-track DIAGNOSTICS - FTD SARS-CoV-2 (n=6)

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