


Individual Report		QCMD 2022 Transplantation EQA Programme				 QCMD Quality Control for Molecular Diagnostics	
Catalogue Code: QAM174198	Ref Code: TRANS22	Challenge: S	Analysis Type: Multiple Pathogen Quantitative		Dataset: 620762	Report UID: 2677/65663/5346	Laboratory CZ023


Panel Composition

Sample Code	Sample Content	Matrix	Sample Relationships ^[1]	Consensus (Copies/ml) ^[2]		Range ^[3]	Consensus (IU/ml) ^[2]		Range ^[3]
				Log ₁₀	n		Log ₁₀	n	
TRANS22S-01	Epstein-Barr virus	Plasma	DS1_1	4.369	45	3.262-5.736	4.061	62	3.180-5.419
TRANS22S-02	Adenovirus (Type 1)	Transport Medium		4.065	78	2.170-5.380	N/A	<5	3.299-4.522
TRANS22S-03	Human herpes virus 6 (type A)	Plasma		3.940	53	3.244-4.983	4.296	26	3.386-5.217
TRANS22S-04	Cytomegalovirus (AD169)	Plasma	D1	4.361	59	3.535-5.113	4.198	99	2.167-5.946
TRANS22S-05	Epstein-Barr virus	Plasma	DS1_2	3.681	44	2.732-4.931	3.386	62	2.394-4.695
TRANS22S-06	BK virus (type 1b-2)	Plasma		3.874	81	3.111-5.790	3.734	45	2.740-4.695
TRANS22S-07	Cytomegalovirus (AD169)	Plasma	D1	4.361	59	3.535-5.113	4.198	99	2.167-5.946
TRANS22S-08	Adenovirus (type 14)	Transport Medium		3.228	75	2.076-4.814	N/A	<5	2.428-4.642
TRANS22S-09	B19 Virus (Type 1)	Plasma		3.309	29	2.766-4.498	3.113	36	2.276-3.595
TRANS22S-10	Negative	Plasma							

[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] Consensus (IU/ml or Copies/ml): Mean consensus in IU/ml or Copies/ml for this sample as determined across 2022 datasets with outliers removed and the number of quantitative results (n) used to calculate this consensus (where there are a minimum of five available quantitative results).

[3] Range: Minimum and maximum quantitative values in IU/ml or Copies/ml for each panel member within the included datasets without outliers removed.

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EQA Assessment Group ^[1]	N/A (Refer to My Workflow details section below)
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Your Summary Results (Core Samples)

Sample Code	Unitage ^[1]	EQA Consensus ^[2]	SD ^[3]	Your Quantitative Result ^[4]	Target included in workflows yes/no ^[5]	Expected Pathogen ID ^[6]	Reported Pathogen ID ^[7]
TRANS22S-01	IU/ml	4.061	0.325	4.468	Yes	Epstein-Barr virus	Epstein-Barr virus
TRANS22S-02	Copies/ml	4.065	0.468	4.314	Yes	Adenovirus	Adenovirus
TRANS22S-03	IU/ml	4.296	0.419	4.343	Yes	Human herpes virus 6	Human herpes virus 6
TRANS22S-04	Copies/ml	4.361	0.331	4.679	Yes	Cytomegalovirus	Cytomegalovirus
TRANS22S-05	IU/ml	3.386	0.410	4.092	Yes	Epstein-Barr virus	Epstein-Barr virus
TRANS22S-06	IU/ml	3.734	0.439	4.555	Yes	BK virus	BK virus
	IU/ml	3.734	0.439	4.472	Yes	BK virus	BK virus
TRANS22S-07	Copies/ml	4.361	0.331	4.756	Yes	Cytomegalovirus	Cytomegalovirus
TRANS22S-08	Copies/ml	3.228	0.462	3.813	Yes	Adenovirus	Adenovirus
TRANS22S-09	IU/ml	3.113	0.296	3.423	Yes	B19 virus	B19 virus
TRANS22S-10	-	-	-	-	N/A		

[1] **Unitage:** The unitage (IU/ml or Copies/ml) you used to report your quantitative value.

[2] **EQA Consensus:** The mean consensus in your chosen unitage for this sample as determined across n 2020 datasets with outliers removed (refer to Panel Composition table above for the number and range of these values).

[3] **SD:** The standard deviation of results included in this group (refer to panel composition above).


[4] **Your Quantitative Result:** The quantitative result you returned for each sample within this EQA challenge.

[5] **Target included in the workflows yes/no:** Yes / No answer to whether the expected pathogen was tested for.

[6] **Expected Pathogen ID:** The pathogen(s) identification expected.

[7] **Reported Pathogen ID:** The final pathogen(s) identification you reported for each sample within this EQA challenge / distribution.

For further details please refer to the current participant manual.

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Multiple Pathogen Programme - Qualitative Assessment of Results



Results are categorised based on the workflow used and the pathogen(s) targeted as shown in the table below.

	Laboratory Reported Results						Result Category		Sample Weighting			
Expected Qualitative Result	Positive	Negative	Not Determined	Expected pathogen(s) included in workflow(s)		Expected pathogen(s) not included in workflow(s)			Frequently Detected (>95% positive)	Detected (Between 65 and 95% positive)	Infrequently Detected (Less than 65% positive)	Negative
				Expected pathogen(s) detected	Expected pathogen(s) not detected							
Positive	✓			✓			Expected Pathogen Reported	Detected / Determined	0	0	0	N/A
Negative		✓					No pathogen reported	Detected / Determined	N/A	N/A	N/A	0
Negative	✓						False Positive	False Positive	3	3	3	N/A
Positive	✓					✓	Reported Pathogen(s) not as expected	False Positive	3	3	3	N/A
Positive	✓				✓		Reported Pathogen(s) not as expected	False Positive	3	3	3	N/A
Positive or Negative			✓				Result reported as not determined	Not Determined	3	2	1	N/A
Positive		✓			✓		No pathogen reported	False Negative	3	2	1	N/A
Positive		✓				✓	Expected pathogen not tested for	Not Tested	Not Scored	Not Scored	Not Scored	N/A




My Workflow Details:

Name	BK Virus (BKV) PCR Kit (v4)
Description	
Targets	V BK virus

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Assays	<div>  Extraction - Manual Extraction Process <ul style="list-style-type: none"> Commercial <ul style="list-style-type: none"> Kit Manufacturer: <i>GeneProof</i> Kit Type: <i>PathogenFree DNA Isolation Kit</i> </div> <div>  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>BK Virus (BKV) PCR Kit</i> Kit Version: <i>GP</i> </div>
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Used to test samples:	TRANS22S-01, TRANS22S-02, TRANS22S-03, TRANS22S-04, TRANS22S-05, TRANS22S-06, TRANS22S-07, TRANS22S-08, TRANS22S-09, TRANS22S-10
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Name	Adenovirus PCR Kit (v4)
Description	
Targets	 adenovirus
Assays	<div>  Extraction - Manual Extraction Process <ul style="list-style-type: none"> Commercial <ul style="list-style-type: none"> Kit Manufacturer: <i>GeneProof</i> Kit Type: <i>PathogenFree DNA Isolation Kit</i> </div> <div>  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>Adenovirus PCR Kit</i> Kit Version: <i>GP</i> </div>




Used to test samples:	TRANS22S-01, TRANS22S-02, TRANS22S-03, TRANS22S-04, TRANS22S-05, TRANS22S-06, TRANS22S-07, TRANS22S-08, TRANS22S-09, TRANS22S-10
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Name	GeneProof Cytomegalovirus (CMV) PCR Kit (v6)
Description	
Targets	 cytomegalovirus


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Assays	 <i>Extraction</i> - Manual Extraction Process <ul style="list-style-type: none"> Commercial <ul style="list-style-type: none"> Kit Manufacturer: <i>GeneProof</i> Kit Type: <i>PathogenFree DNA Isolation Kit</i>  <i>Amplification</i> - 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 Cytomegalovirus (CMV) PCR Kit</i> Kit Version: <i>GP</i>
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Used to test samples:	TRANS22S-01, TRANS22S-02, TRANS22S-03, TRANS22S-04, TRANS22S-05, TRANS22S-06, TRANS22S-07, TRANS22S-08, TRANS22S-09, TRANS22S-10
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Name	GeneProof Epstein-Barr Virus (EBV) PCR Kit (v5)
Description	
Targets	 Epstein-Barr virus
Assays	 <i>Extraction</i> - Manual Extraction Process <ul style="list-style-type: none"> Commercial <ul style="list-style-type: none"> Kit Manufacturer: <i>GeneProof</i> Kit Type: <i>PathogenFree DNA Isolation Kit</i>  <i>Amplification</i> - 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 GeneProof Epstein-Barr Virus (EBV) PCR kit</i> Kit Version: <i>GP</i>





Used to test samples:	TRANS22S-01, TRANS22S-02, TRANS22S-03, TRANS22S-04, TRANS22S-05, TRANS22S-06, TRANS22S-07, TRANS22S-08, TRANS22S-09, TRANS22S-10
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Name	GeneProof Human Herpes Virus 6/7 (HHV-6/7) PCR kit (v3)
Description	
Targets	 human herpes virus 6

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Assays	 Extraction - Manual Extraction Process <ul style="list-style-type: none"> Commercial <ul style="list-style-type: none"> Kit Manufacturer: <i>GeneProof</i> Kit Type: <i>PathogenFree DNA Isolation 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>Human Herpes Virus 6/7 (HHV-6/7) PCR Kit</i> Kit Version: <i>GP</i>
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Used to test samples:	TRANS22S-01, TRANS22S-02, TRANS22S-03, TRANS22S-04, TRANS22S-05, TRANS22S-06, TRANS22S-07, TRANS22S-08, TRANS22S-09, TRANS22S-10
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Name	GeneProof BK/JC Virus (BK/JC) PCR Kit (v3)
Description	
Targets	 BK virus  JC virus
Assays	 Extraction - Manual Extraction Process <ul style="list-style-type: none"> Commercial <ul style="list-style-type: none"> Kit Manufacturer: <i>GeneProof</i> Kit Type: <i>PathogenFree DNA Isoaltion Kit</i>  Amplification - GeneProof - croBEE Real-Time PCR System <ul style="list-style-type: none"> Multiplex Commercial <ul style="list-style-type: none"> Kit Manufacturer: <i>GeneProof</i> Kit Type: <i>GeneProof BK/JC Virus (BK/JC) PCR Kit</i> Kit Version: <i>GP</i>

Used to test samples:	TRANS22S-01, TRANS22S-02, TRANS22S-03, TRANS22S-04, TRANS22S-05, TRANS22S-06, TRANS22S-07, TRANS22S-08, TRANS22S-09, TRANS22S-10
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Name	GeneProof Parvovirus B19 PCR Kit (v6)
Description	
Targets	 B19 virus

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Assays	 Extraction - Manual Extraction Process <ul style="list-style-type: none"> Commercial <ul style="list-style-type: none"> Kit Manufacturer: <i>GeneProof</i> Kit Type: <i>PathogenFree DNA Isolation 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 Parvovirus B19 PCR Kit</i> Kit Version: <i>Not Applicable</i>

Used to test samples:	TRANS22S-01, TRANS22S-02, TRANS22S-03, TRANS22S-04, TRANS22S-05, TRANS22S-06, TRANS22S-07, TRANS22S-08, TRANS22S-09, TRANS22S-10
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Further Programme Details

Number of Participants	40
Number of Countries	18
Number of Respondents	37
Number of Datasets Submitted	43

EQA Programme Aims


The viral transplant EQA programme focuses on the molecular detection and determination of various cytomegalovirus, Epstein-Barr virus, human herpes virus 6, BK virus, B19 virus and adenovirus strains.

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.

Panel member analysis is separated into CORE samples followed by EDUCATIONAL samples.

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Individual Panel Member Analysis (Core Samples)

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.

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.

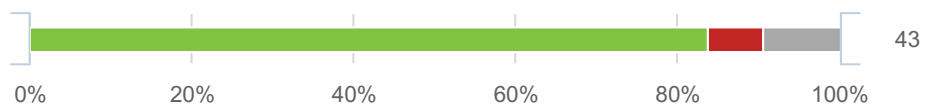
A breakdown of qualitative results reported for all workflows used by participants on each of the panel members within this EQA challenge / distribution is provided below. Note: participants may use multiple workflows for each sample.

The final laboratory result indicates the final reported result which may be based on one or more workflows used to test each panel member.

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Sample Code	Sample Content	Matrix	Sample Relationships	Expected targets	Detected / Determined		Not Detected / Not Determined		Not Tested	
					(%)	(n)	(%)	(n)	(%)	(n)
TRANS22S-01	Epstein-Barr virus	Plasma	DS1_1	Epstein-Barr virus	83.7	36	7	3	9.3	4

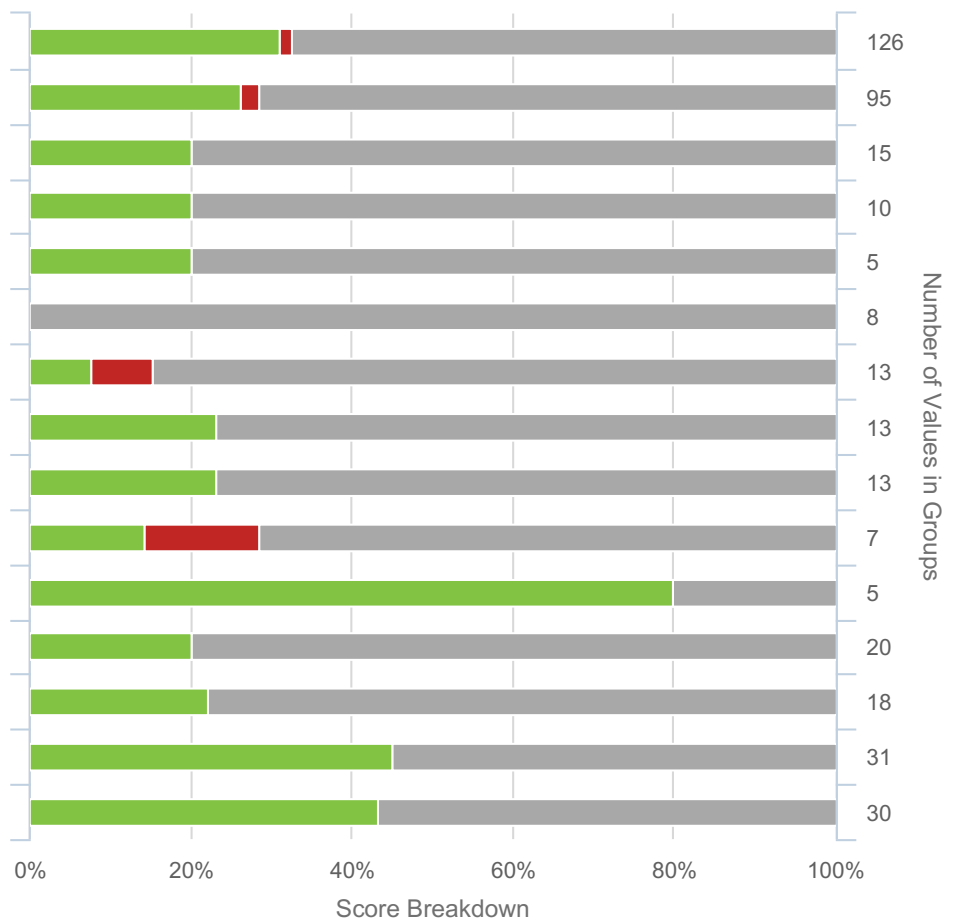
Final laboratory result (All)



All

Commercial


- Altona Diagnostics
 - Altona Diagnostics AltoStar
 - Altona Diagnostics RealStar
- Certest
- ELITech Group
- GeneProof
 - GeneProof Real Time PCR kit
- Roche
- Seegene
- bioMerieux
 - bioMerieux R-gene Quant Kit
- In-House
 - Real-time In-House PCR



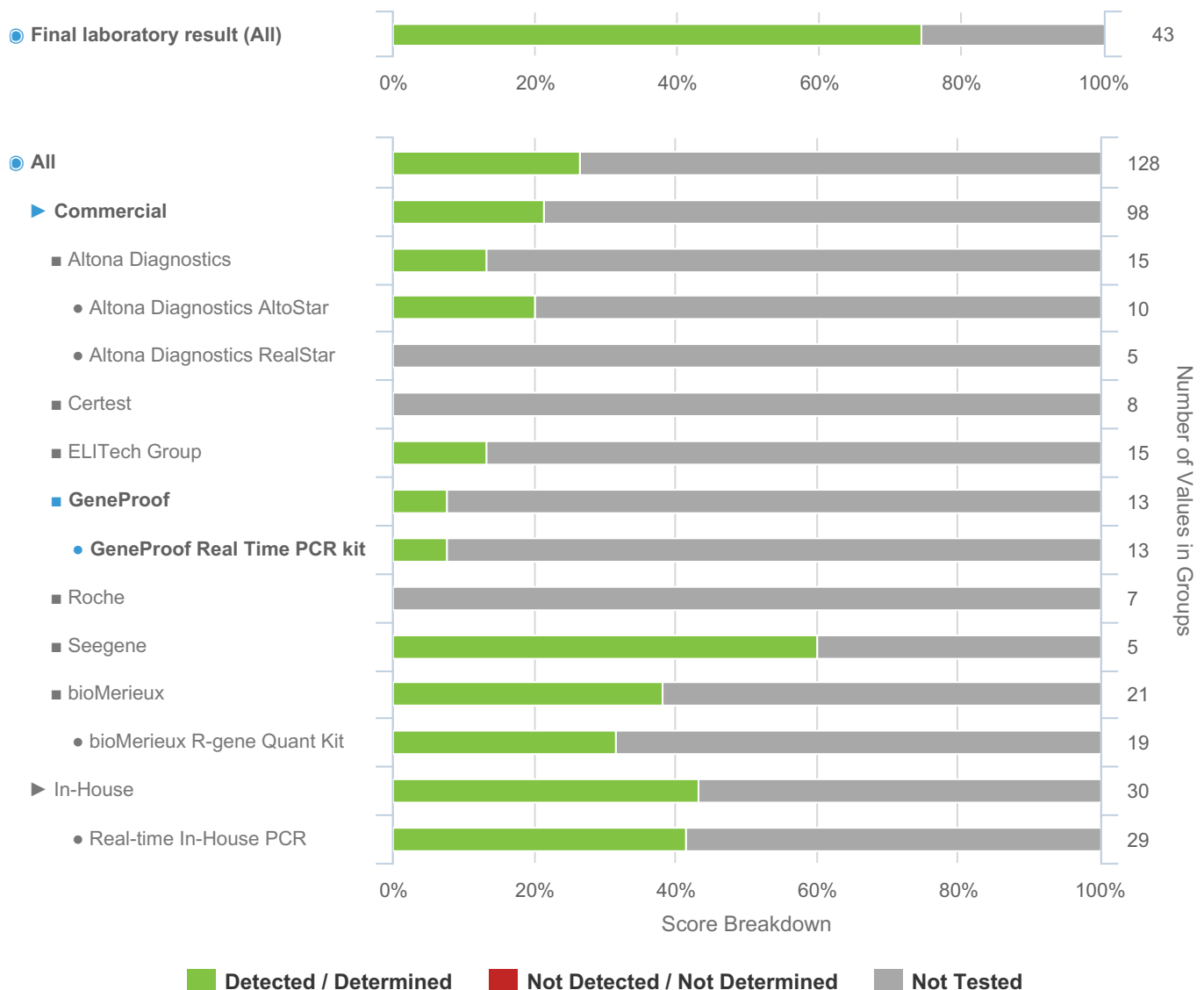
■ Detected / Determined
■ Not Detected / Not Determined
■ Not Tested

Groups below n=5: Abbott (n=2), Abbott - Abbott Alinity m (n=2), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), Diagenode (n=2), Diagenode - Diagenode Real Time kit (n=2), PathoFinder (n=1), PathoFinder - PathoFinder Real Time PCR (n=1), QIAGEN (n=2), QIAGEN - QIAGEN Artus Real Time (n=1), QIAGEN - Qiagen NeuMoDx (n=1), Roche - Roche Cobas 4800 (n=3), Roche - Roche Cobas 6800/8800 (n=4), Sacace (n=1), Sacace - Sacace Real TM (n=1), TIB MOLBIOL (n=1), TIB MOLBIOL - TIB-MolBiol LightMix (n=1), Vela Diagnostics (n=2), Vela Diagnostics - Vela Dx Sentosa (n=2), bioMerieux - bioMerieux Primers/Probes (n=2), In-House - Conventional In-House PCR (n=1)

Groups Rolled Up: Certest - Certest Real Time PCR (n=8), ELITech Group - Elitech Elite Real Time kit (n=13), Seegene - Seegene Allplex (n=5)


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Sample Code	Sample Content	Matrix	Sample Relationships	Expected targets	Detected / Determined		Not Detected / Not Determined		Not Tested	
					(%)	(n)	(%)	(n)	(%)	(n)
TRANS22S-02	Adenovirus (Type 1)	Transport Medium		Adenovirus	74.4	32	N/A	0	25.6	11



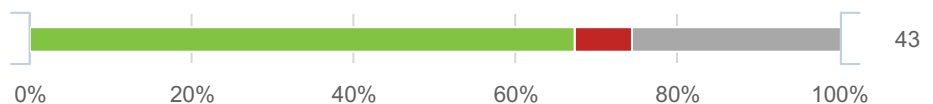
Groups below n=5: Abbott (n=2), Abbott - Abbott Alinity m (n=2), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), Diagenode (n=2), Diagenode - Diagenode Real Time kit (n=2), PathoFinder (n=1), PathoFinder - PathoFinder Real Time PCR (n=1), QIAGEN (n=2), QIAGEN - QIAGEN Artus Real Time (n=1), QIAGEN - Qiagen NeuMoDx (n=1), Roche - Roche Cobas 4800 (n=3), Roche - Roche Cobas 6800/8800 (n=4), Sacace (n=1), Sacace - Sacace Real TM (n=1), TIB MOLBIOL (n=1), TIB MOLBIOL - TIB-MolBiol LightMix (n=1), Vela Diagnostics (n=2), Vela Diagnostics - Vela Dx Sentosa (n=2), bioMerieux - bioMerieux Primers/Probes (n=2), In-House - Conventional In-House PCR (n=1)

Groups Rolled Up: Certest - Certest Real Time PCR (n=8), ELITech Group - Elitech Elite Real Time kit (n=15), Seegene - Seegene Allplex (n=5)

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Sample Code	Sample Content	Matrix	Sample Relationships	Expected targets	Detected / Determined		Not Detected / Not Determined		Not Tested	
					(%)	(n)	(%)	(n)	(%)	(n)
TRANS22S-03	Human herpes virus 6 (type A)	Plasma		Human herpes virus 6	67.4	29	7	3	25.6	11

Final laboratory result (All)



All

Commercial

Altona Diagnostics

Altona Diagnostics AltoStar

Altona Diagnostics RealStar

Certest

ELITech Group

GeneProof

GeneProof Real Time PCR kit

Roche

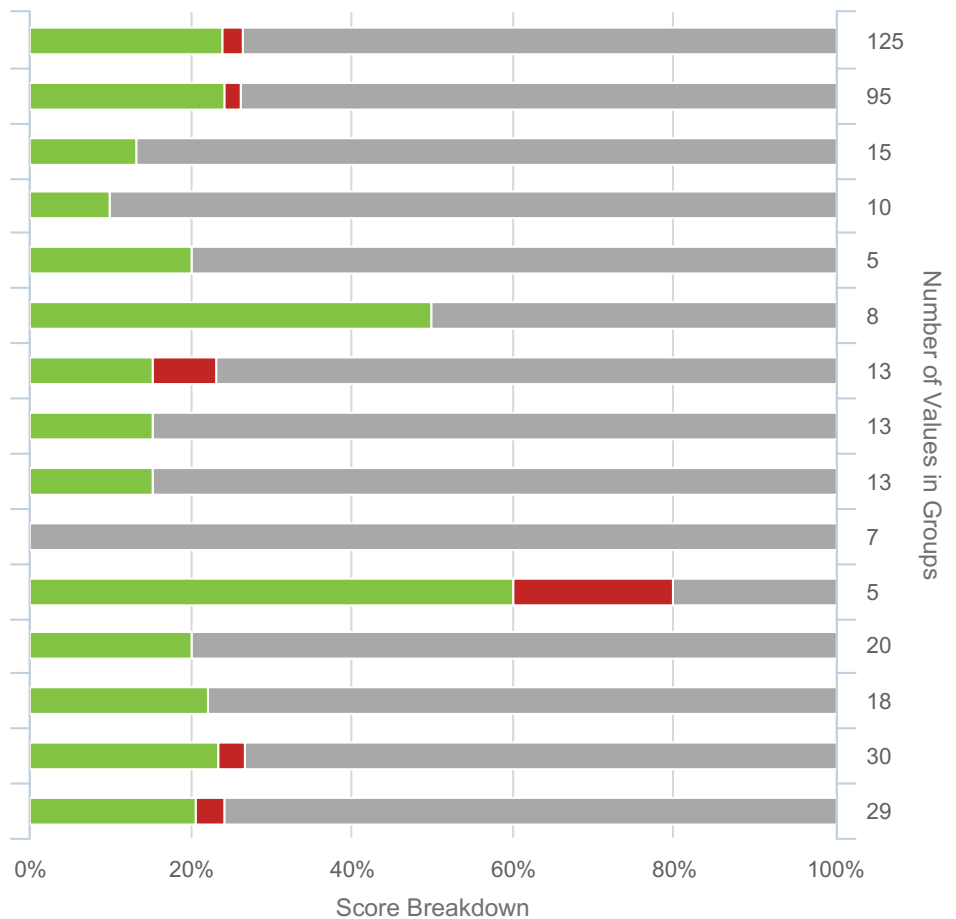
Seegene

bioMerieux


bioMerieux R-gene Quant Kit

In-House

Real-time In-House PCR




■ Detected / Determined
 ■ Not Detected / Not Determined
 ■ Not Tested

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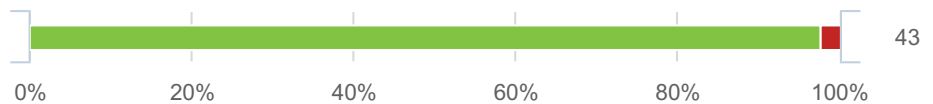
Groups below n=5: Abbott (n=2), Abbott - Abbott Alinity m (n=2), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), Diagenode (n=2), Diagenode - Diagenode Real Time kit (n=2), PathoFinder (n=1), PathoFinder - PathoFinder Real Time PCR (n=1), QIAGEN (n=2), QIAGEN - QIAGEN Artus Real Time (n=1), QIAGEN - Qiagen NeuMoDx (n=1), Roche - Roche Cobas 4800 (n=3), Roche - Roche Cobas 6800/8800 (n=4), Sacace (n=1), Sacace - Sacace Real TM (n=1), TIB MOLBIOL (n=1), TIB MOLBIOL - TIB-MolBiol LightMix (n=1), Vela Diagnostics (n=2), Vela Diagnostics - Vela Dx Sentosa (n=2), bioMerieux - bioMerieux Primers/Probes (n=2), In-House - Conventional In-House PCR (n=1)

Groups Rolled Up: Certest - Certest Real Time PCR (n=8), ELITech Group - Elitech Elite Real Time kit (n=13), Seegene - Seegene Allplex (n=5)

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Sample Code	Sample Content	Matrix	Sample Relationships	Expected targets	Detected / Determined		Not Detected / Not Determined		Not Tested	
					(%)	(n)	(%)	(n)	(%)	(n)
TRANS22S-04	Cytomegalovirus (AD169)	Plasma	D1	Cytomegalovirus	97.7	42	2.3	1	N/A	0

● Final laboratory result (All)



● All

► Commercial

■ Altona Diagnostics

● Altona Diagnostics AltoStar

● Altona Diagnostics RealStar

■ Certest

■ ELITech Group

■ GeneProof

● GeneProof Real Time PCR kit

■ Roche

● Roche Cobas 6800/8800

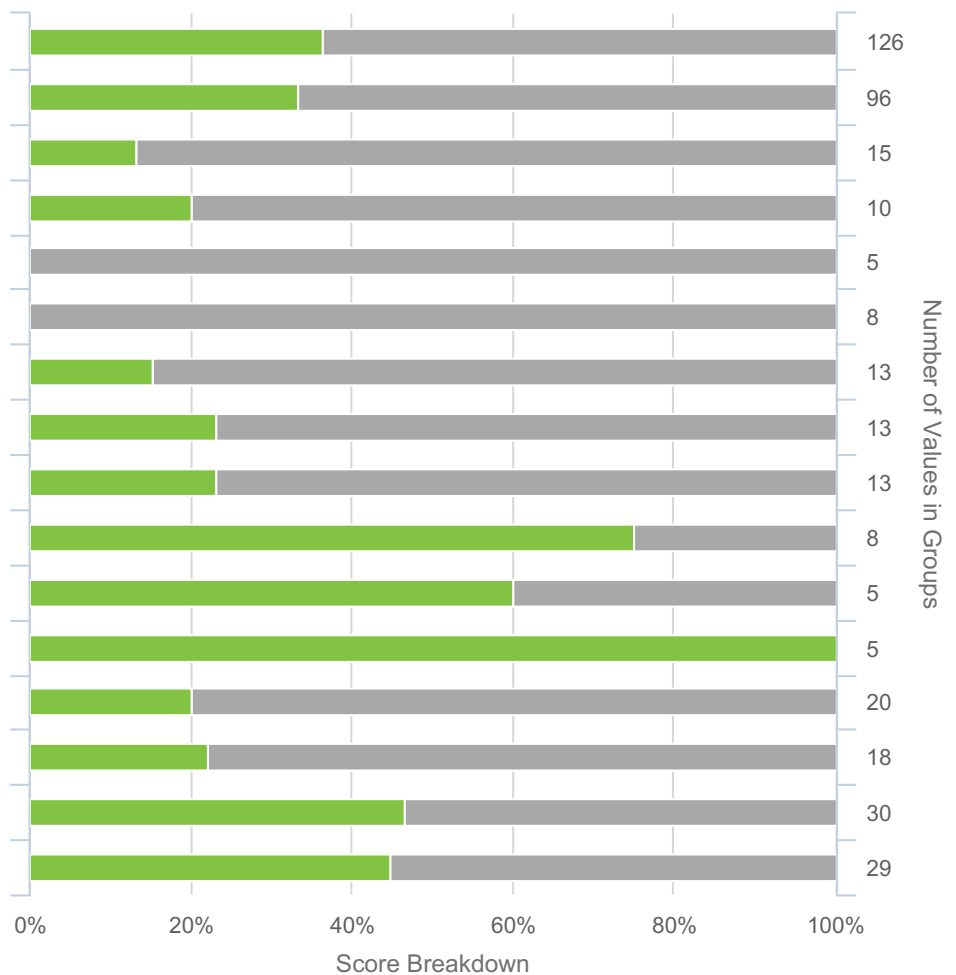
■ Seegene

■ bioMerieux

● bioMerieux R-gene Quant Kit

► In-House


● Real-time In-House PCR



■ Detected / Determined

■ Not Detected / Not Determined

■ Not Tested

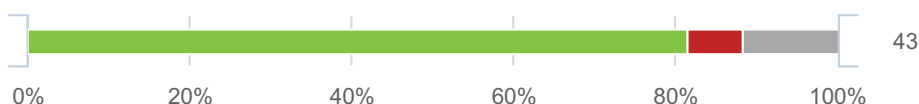
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Groups below n=5: Abbott (n=2), Abbott - Abbott Alinity m (n=2), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), Diagenode (n=2), Diagenode - Diagenode Real Time kit (n=2), PathoFinder (n=1), PathoFinder - PathoFinder Real Time PCR (n=1), QIAGEN (n=2), QIAGEN - QIAGEN Artus Real Time (n=1), QIAGEN - Qiagen NeuMoDx (n=1), Roche - Roche Cobas 4800 (n=3), Sacace (n=1), Sacace - Sacace Real TM (n=1), TIB MOLBIOL (n=1), TIB MOLBIOL - TIB-MolBiol LightMix (n=1), Vela Diagnostics (n=2), Vela Diagnostics - Vela Dx Sentosa (n=2), bioMerieux - bioMerieux Primers/Probes (n=2), In-House - Conventional In-House PCR (n=1)

Groups Rolled Up: Certest - Certest Real Time PCR (n=8), ELITech Group - Elitech Elite Real Time kit (n=13), Seegene - Seegene Allplex (n=5)

Sample Code	Sample Content	Matrix	Sample Relationships	Expected targets	Detected / Determined		Not Detected / Not Determined		Not Tested	
					(%)	(n)	(%)	(n)	(%)	(n)
TRANS22S-05	Epstein-Barr virus	Plasma	DS1_2	Epstein-Barr virus	81.4	35	7	3	11.6	5

Final laboratory result (All)



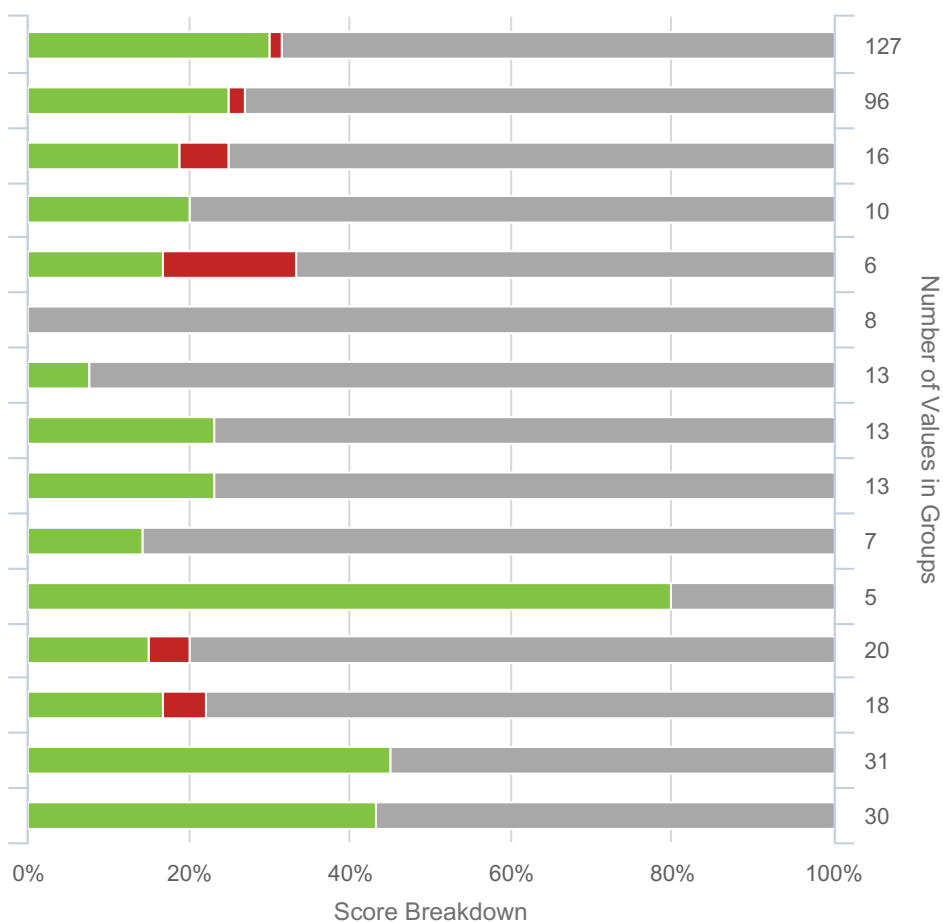
All

Commercial


- Altona Diagnostics
 - Altona Diagnostics AltoStar
 - Altona Diagnostics RealStar
- Certest
- ELITech Group
- GeneProof
 - GeneProof Real Time PCR kit
- Roche
- Seegene
- bioMerieux
 - bioMerieux R-gene Quant Kit

In-House

- Real-time In-House PCR



■ Detected / Determined
 ■ Not Detected / Not Determined
 ■ Not Tested

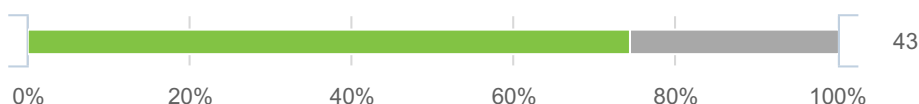
Individual Report		QCMD 2022 Transplantation EQA Programme				 QCMD <small>Quality Control for Molecular Diagnostics</small>	
Catalogue Code: QAM174198	Ref Code: TRANS22	Challenge: S	Analysis Type: Multiple Pathogen Quantitative	Dataset: 620762	Report UID: 2677/65663/5346	Laboratory CZ023	

Groups below n=5: Abbott (n=2), Abbott - Abbott Alinity m (n=2), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), Diagenode (n=2), Diagenode - Diagenode Real Time kit (n=2), PathoFinder (n=1), PathoFinder - PathoFinder Real Time PCR (n=1), QIAGEN (n=2), QIAGEN - QIAGEN Artus Real Time (n=1), QIAGEN - Qiagen NeuMoDx (n=1), Roche - Roche Cobas 4800 (n=3), Roche - Roche Cobas 6800/8800 (n=4), Sacace (n=1), Sacace - Sacace Real TM (n=1), TIB MOLBIOL (n=1), TIB MOLBIOL - TIB-MolBiol LightMix (n=1), Vela Diagnostics (n=2), Vela Diagnostics - Vela Dx Sentosa (n=2), bioMerieux - bioMerieux Primers/Probes (n=2), In-House - Conventional In-House PCR (n=1)

Groups Rolled Up: Certest - Certest Real Time PCR (n=8), ELITech Group - Elitech Elite Real Time kit (n=13), Seegene - Seegene Allplex (n=5)

Sample Code	Sample Content	Matrix	Sample Relationships	Expected targets	Detected / Determined		Not Detected / Not Determined		Not Tested	
					(%)	(n)	(%)	(n)	(%)	(n)
TRANS22S-06	BK virus (type 1b-2)	Plasma		BK virus	74.4	32	N/A	0	25.6	11

Final laboratory result (All)



All

Commercial

Altona Diagnostics

Altona Diagnostics AltoStar

Altona Diagnostics RealStar

Certest

ELITech Group

GeneProof

GeneProof Real Time PCR kit

Roche

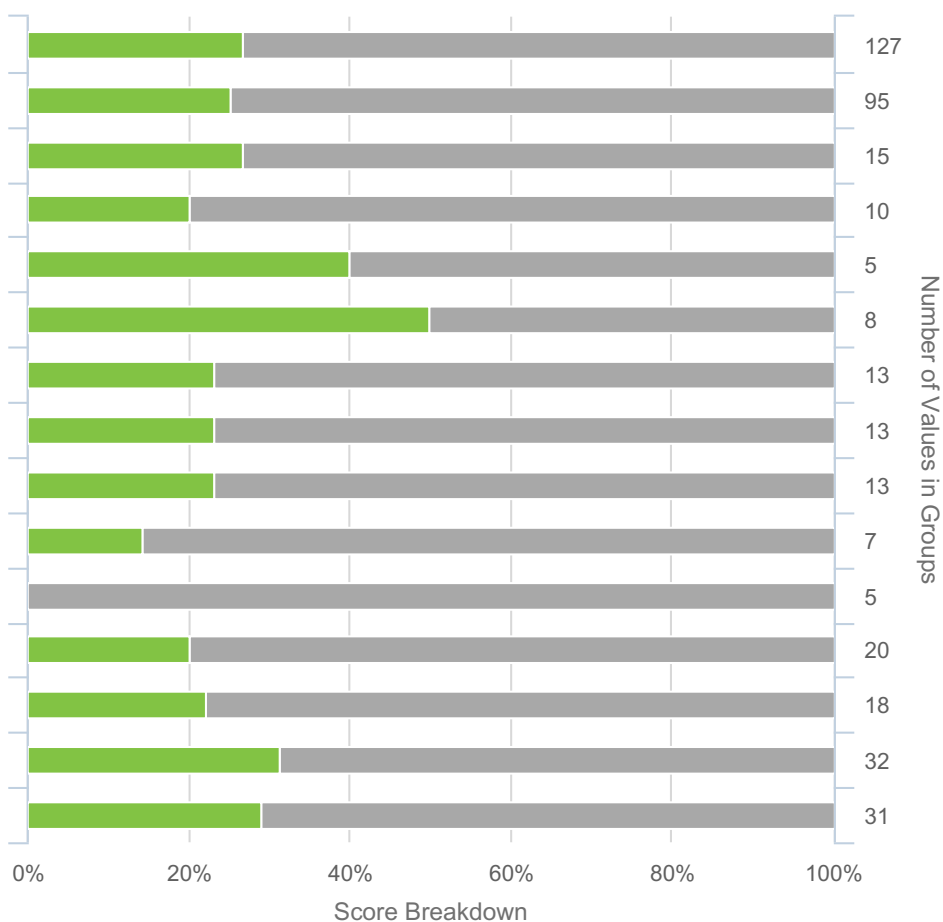
Seegene

bioMerieux


bioMerieux R-gene Quant Kit

In-House

Real-time In-House PCR




■ Detected / Determined
 ■ Not Detected / Not Determined
 ■ Not Tested

Individual Report		QCMD 2022 Transplantation EQA Programme			 QCMD <small>Quality Control for Molecular Diagnostics</small>	
Catalogue Code: QAM174198	Ref Code: TRANS22	Challenge: S	Analysis Type: Multiple Pathogen Quantitative	Dataset: 620762	Report UID: 2677/65663/5346	Laboratory CZ023

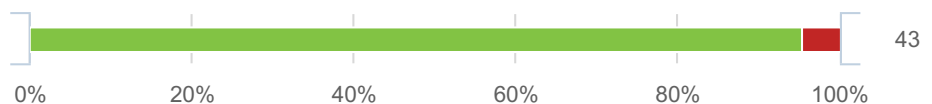
Groups below n=5: Abbott (n=2), Abbott - Abbott Alinity m (n=2), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), Diagenode (n=2), Diagenode - Diagenode Real Time kit (n=2), PathoFinder (n=1), PathoFinder - PathoFinder Real Time PCR (n=1), QIAGEN (n=2), QIAGEN - QIAGEN Artus Real Time (n=1), QIAGEN - Qiagen NeuMoDx (n=1), Roche - Roche Cobas 4800 (n=3), Roche - Roche Cobas 6800/8800 (n=4), Sacace (n=1), Sacace - Sacace Real TM (n=1), TIB MOLBIOL (n=1), TIB MOLBIOL - TIB-MolBiol LightMix (n=1), Vela Diagnostics (n=2), Vela Diagnostics - Vela Dx Sentosa (n=2), bioMerieux - bioMerieux Primers/Probes (n=2), In-House - Conventional In-House PCR (n=1)

Groups Rolled Up: Certest - Certest Real Time PCR (n=8), ELITech Group - Elitech Elite Real Time kit (n=13), Seegene - Seegene Allplex (n=5)

Individual Report		QCMD 2022 Transplantation EQA Programme				 QCMD <small>Quality Control for Molecular Diagnostics</small>	
Catalogue Code: QAM174198	Ref Code: TRANS22	Challenge: S	Analysis Type: Multiple Pathogen Quantitative	Dataset: 620762	Report UID: 2677/65663/5346	Laboratory CZ023	

Sample Code	Sample Content	Matrix	Sample Relationships	Expected targets	Detected / Determined		Not Detected / Not Determined		Not Tested	
					(%)	(n)	(%)	(n)	(%)	(n)
TRANS22S-07	Cytomegalovirus (AD169)	Plasma	D1	Cytomegalovirus	95.3	41	4.7	2	N/A	0

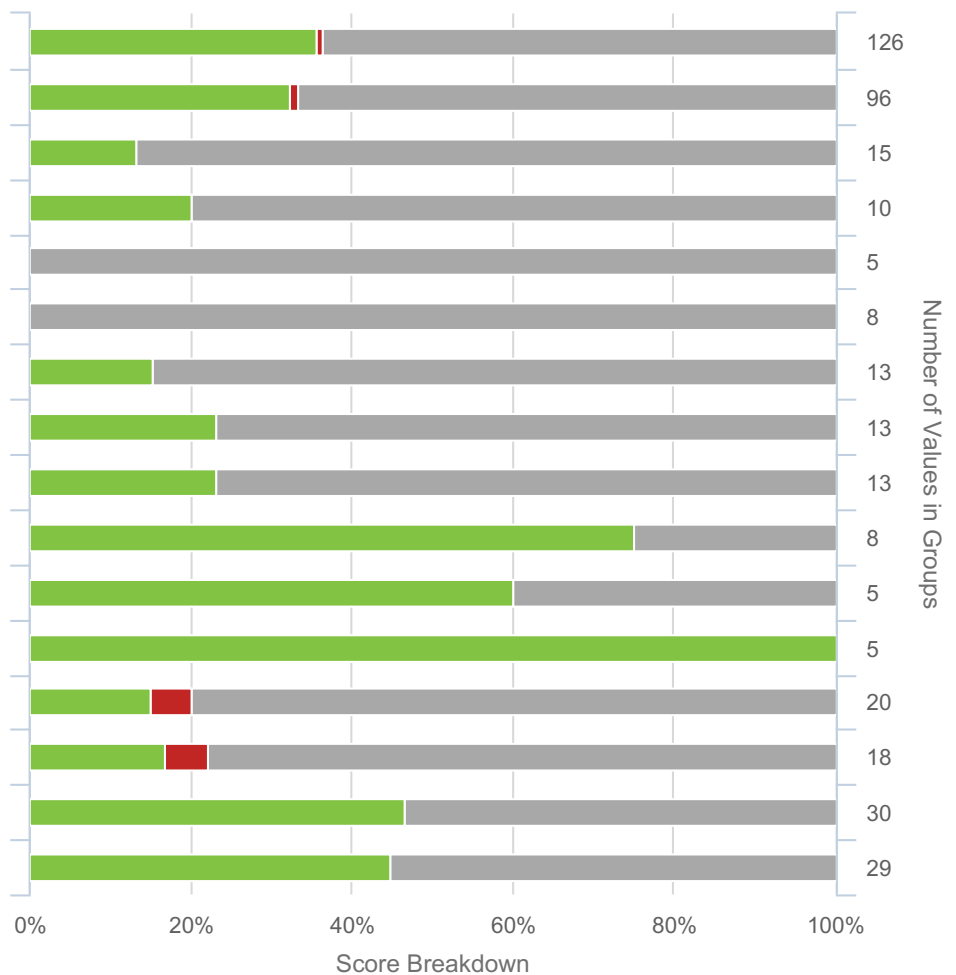
Final laboratory result (All)




All

Commercial

- Altona Diagnostics
 - Altona Diagnostics AltoStar
 - Altona Diagnostics RealStar
- Certest
- ELITech Group
- GeneProof
 - GeneProof Real Time PCR kit
- Roche
 - Roche Cobas 6800/8800
- Seegene
- bioMerieux
 - bioMerieux R-gene Quant Kit
- In-House
 - Real-time In-House PCR



■ Detected / Determined
 ■ Not Detected / Not Determined
 ■ Not Tested

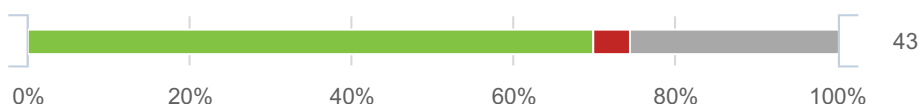
Individual Report		QCMD 2022 Transplantation EQA Programme				 Quality Control for Molecular Diagnostics	
Catalogue Code:	Ref Code:	Challenge:	Analysis Type:	Dataset:	Report UID:	Laboratory	
QAM174198	TRANS22	S	Multiple Pathogen Quantitative	620762	2677/65663/5346	CZ023	

Groups below n=5: Abbott (n=2), Abbott - Abbott Alinity m (n=2), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), Diagenode (n=2), Diagenode - Diagenode Real Time kit (n=2), PathoFinder (n=1), PathoFinder - PathoFinder Real Time PCR (n=1), QIAGEN (n=2), QIAGEN - QIAGEN Artus Real Time (n=1), QIAGEN - Qiagen NeuMoDx (n=1), Roche - Roche Cobas 4800 (n=2), Roche - Roche Cobas TaqMan (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), TIB MOLBIOL (n=1), TIB MOLBIOL - TIB-MolBiol LightMix (n=1), Vela Diagnostics (n=2), Vela Diagnostics - Vela Dx Sentosa (n=2), bioMerieux - bioMerieux Primers/Probes (n=2), In-House - Conventional In-House PCR (n=1)

Groups Rolled Up: Certest - Certest Real Time PCR (n=8), ELITech Group - Elitech Elite Real Time kit (n=13), Seegene - Seegene Allplex (n=5)

Sample Code	Sample Content	Matrix	Sample Relationships	Expected targets	Detected / Determined		Not Detected / Not Determined		Not Tested	
					(%)	(n)	(%)	(n)	(%)	(n)
TRANS22S-08	Adenovirus (type 14)	Transport Medium		Adenovirus	69.8	30	4.7	2	25.6	11

Final laboratory result (All)



All

Commercial

Altona Diagnostics

Altona Diagnostics AltoStar

Altona Diagnostics RealStar

Certest

ELITech Group

GeneProof

GeneProof Real Time PCR kit

Roche

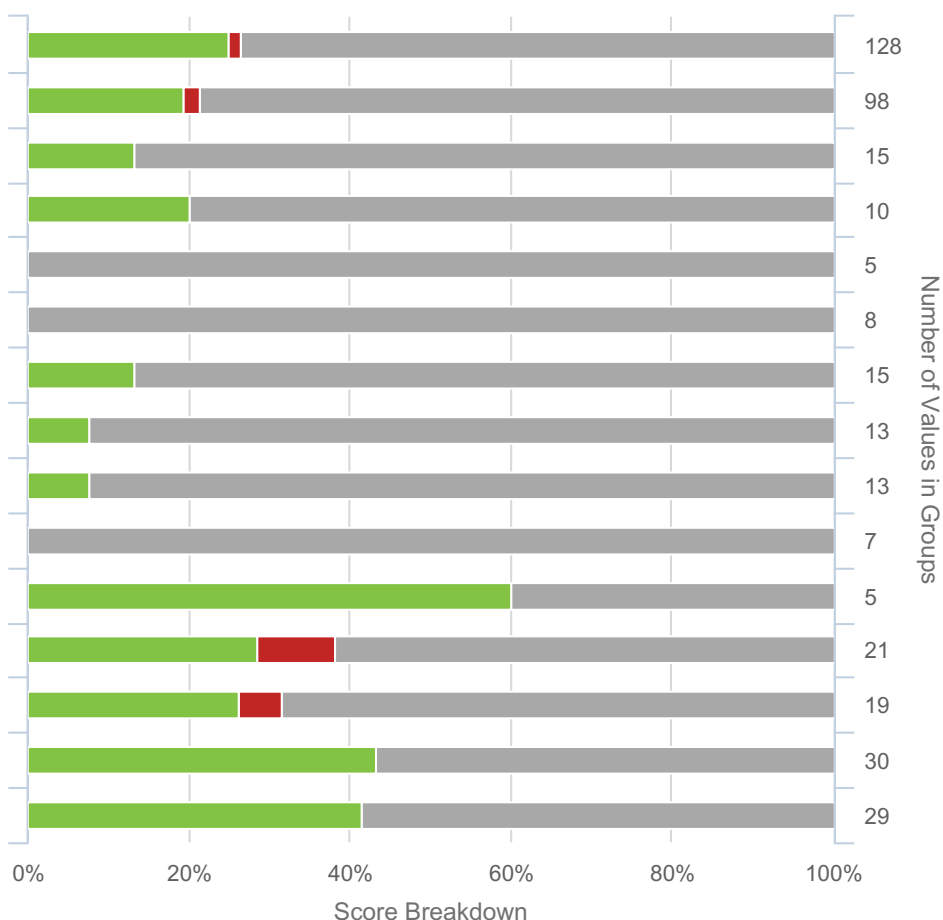
Seegene

bioMerieux


bioMerieux R-gene Quant Kit

In-House

Real-time In-House PCR



■ Detected / Determined
 ■ Not Detected / Not Determined
 ■ Not Tested

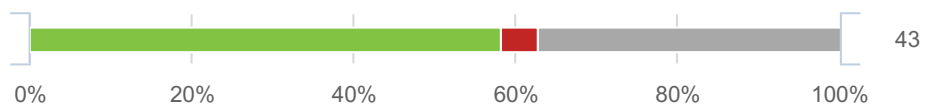
Individual Report		QCMD 2022 Transplantation EQA Programme				 QCMD <small>Quality Control for Molecular Diagnostics</small>	
Catalogue Code: QAM174198	Ref Code: TRANS22	Challenge: S	Analysis Type: Multiple Pathogen Quantitative	Dataset: 620762	Report UID: 2677/65663/5346	Laboratory CZ023	

Groups below n=5: Abbott (n=2), Abbott - Abbott Alinity m (n=2), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), Diagenode (n=2), Diagenode - Diagenode Real Time kit (n=2), PathoFinder (n=1), PathoFinder - PathoFinder Real Time PCR (n=1), QIAGEN (n=2), QIAGEN - QIAGEN Artus Real Time (n=1), QIAGEN - Qiagen NeuMoDx (n=1), Roche - Roche Cobas 4800 (n=3), Roche - Roche Cobas 6800/8800 (n=4), Sacace (n=1), Sacace - Sacace Real TM (n=1), TIB MOLBIOL (n=1), TIB MOLBIOL - TIB-MolBiol LightMix (n=1), Vela Diagnostics (n=2), Vela Diagnostics - Vela Dx Sentosa (n=2), bioMerieux - bioMerieux Primers/Probes (n=2), In-House - Conventional In-House PCR (n=1)

Groups Rolled Up: Certest - Certest Real Time PCR (n=8), ELITech Group - Elitech Elite Real Time kit (n=15), Seegene - Seegene Allplex (n=5)

Sample Code	Sample Content	Matrix	Sample Relationships	Expected targets	Detected / Determined		Not Detected / Not Determined		Not Tested	
					(%)	(n)	(%)	(n)	(%)	(n)
TRANS22S-09	B19 Virus (Type 1)	Plasma		B19 virus	58.1	25	4.7	2	37.2	16

Final laboratory result (All)



All

Commercial

Altona Diagnostics

Altona Diagnostics AltoStar

Altona Diagnostics RealStar

Certest

ELITech Group

GeneProof

GeneProof Real Time PCR kit

Roche

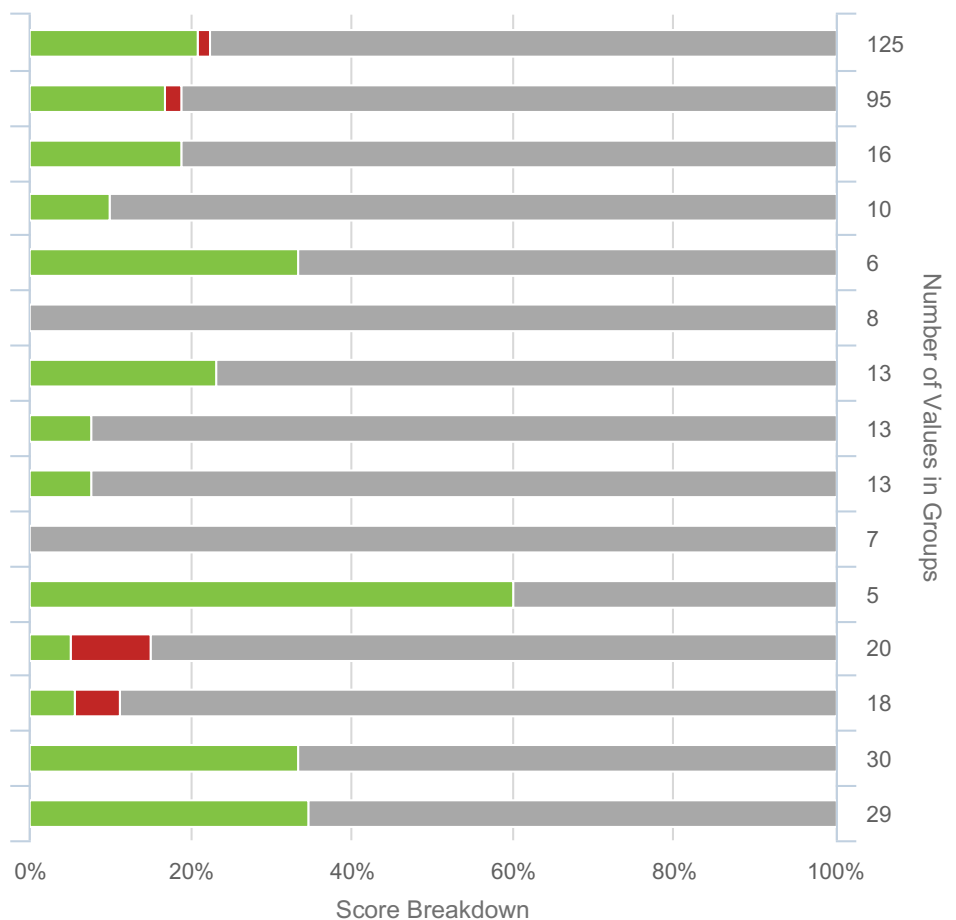
Seegene

bioMerieux


bioMerieux R-gene Quant Kit

In-House

Real-time In-House PCR



■ Detected / Determined
 ■ Not Detected / Not Determined
 ■ Not Tested

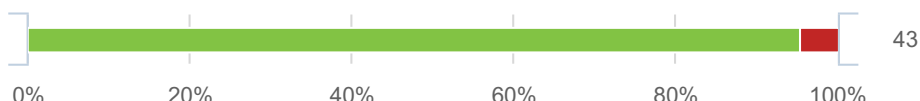
Individual Report		QCMD 2022 Transplantation EQA Programme				 QCMD <small>Quality Control for Molecular Diagnostics</small>	
Catalogue Code: QAM174198	Ref Code: TRANS22	Challenge: S	Analysis Type: Multiple Pathogen Quantitative	Dataset: 620762	Report UID: 2677/65663/5346	Laboratory CZ023	

Groups below n=5: Abbott (n=2), Abbott - Abbott Alinity m (n=2), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), Diagenode (n=2), Diagenode - Diagenode Real Time kit (n=2), PathoFinder (n=1), PathoFinder - PathoFinder Real Time PCR (n=1), QIAGEN (n=1), QIAGEN - Qiagen NeuMoDx (n=1), Roche - Roche Cobas 4800 (n=3), Roche - Roche Cobas 6800/8800 (n=4), Sacace (n=1), Sacace - Sacace Real TM (n=1), TIB MOLBIOL (n=1), TIB MOLBIOL - TIB-MolBiol LightMix (n=1), Vela Diagnostics (n=2), Vela Diagnostics - Vela Dx Sentosa (n=2), bioMerieux - bioMerieux Primers/Probes (n=2), In-House - Conventional In-House PCR (n=1)

Groups Rolled Up: Certest - Certest Real Time PCR (n=8), ELITech Group - Elitech Elite Real Time kit (n=13), Seegene - Seegene Allplex (n=5)

Sample Code	Sample Content	Matrix	Sample Relationships	Expected targets	Detected / Determined		Not Detected / Not Determined		Not Tested	
					(%)	(n)	(%)	(n)	(%)	(n)
TRANS22S-10	Negative	Plasma			95.3	41	4.7	2	N/A	0

Final laboratory result (All)



All

Commercial

Altona Diagnostics

Altona Diagnostics AltoStar

Altona Diagnostics RealStar

Certest

ELITech Group

GeneProof

GeneProof Real Time PCR kit

Roche

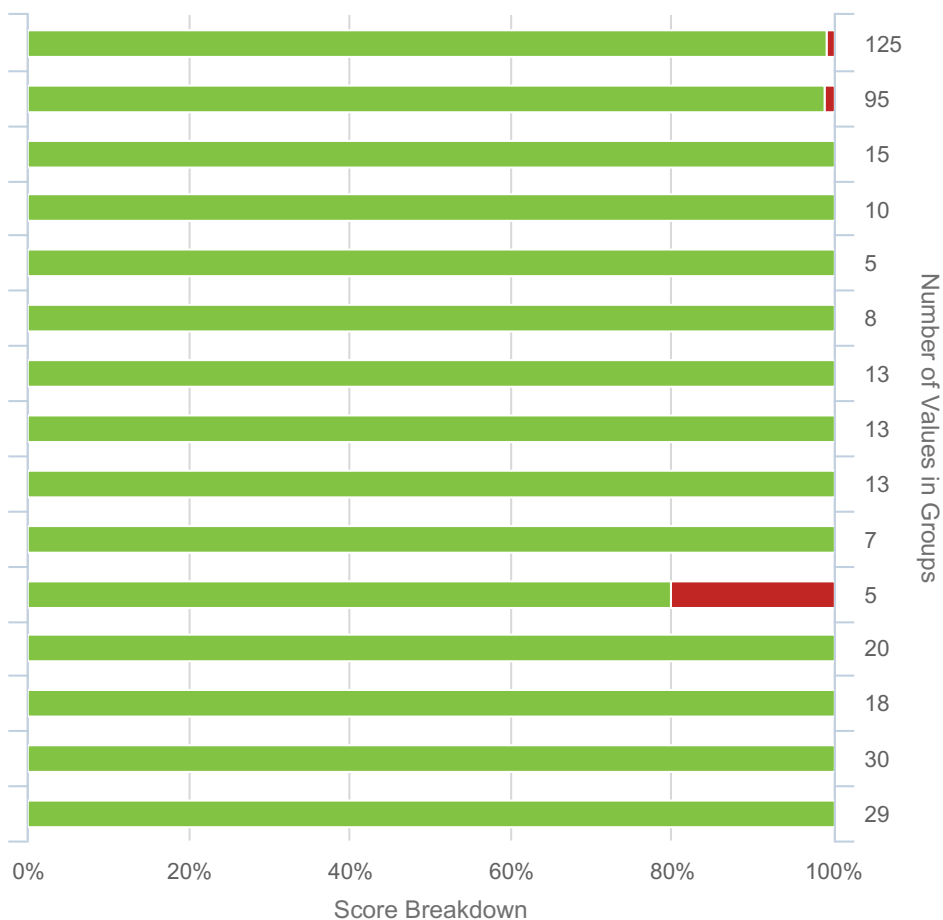
Seegene

bioMerieux


bioMerieux R-gene Quant Kit

In-House

Real-time In-House PCR



■ Detected / Determined
 ■ Not Detected / Not Determined
 ■ Not Tested

Individual Report		QCMD 2022 Transplantation EQA Programme				
Catalogue Code: QAM174198	Ref Code: TRANS22	Challenge: S	Analysis Type: Multiple Pathogen Quantitative	Dataset: 620762	Report UID: 2677/65663/5346	Laboratory CZ023

Groups below n=5: Abbott (n=2), Abbott - Abbott Alinity m (n=2), Anatolia Geneworks (n=3), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=3), Diagenode (n=2), Diagenode - Diagenode Real Time kit (n=2), PathoFinder (n=1), PathoFinder - PathoFinder Real Time PCR (n=1), QIAGEN (n=2), QIAGEN - QIAGEN Artus Real Time (n=1), QIAGEN - Qiagen NeuMoDx (n=1), Roche - Roche Cobas 4800 (n=3), Roche - Roche Cobas 6800/8800 (n=4), Sacace (n=1), Sacace - Sacace Real TM (n=1), TIB MOLBIOL (n=1), TIB MOLBIOL - TIB-MolBiol LightMix (n=1), Vela Diagnostics (n=2), Vela Diagnostics - Vela Dx Sentosa (n=2), bioMerieux - bioMerieux Primers/Probes (n=2), In-House - Conventional In-House PCR (n=1)

Groups Rolled Up: Certest - Certest Real Time PCR (n=8), ELITech Group - Elitech Elite Real Time kit (n=13), Seegene - Seegene Allplex (n=5)

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