


Individual Report		QCMD 2022 Sexually Transmitted Infections II EQA Programme				 QCMD <small>Quality Control for Molecular Diagnostics</small>	
Catalogue Code: QAM174201	Ref Code: STI_II22	Challenge: S	Analysis Type: Multiple Pathogen Qualitative	Dataset: 596921	Report UID: 2677/59886/5004	Laboratory CZ023	


Panel Composition

Sample Code	Sample Content	Matrix	Sample Relationships ^[1]	Detected / Determined ^[2]		Not Detected / Not Determined ^[2]		Not Tested ^[2]	
				(%)	(n)	(%)	(n)	(%)	(n)
STI_II22S-01	C. trachomatis and N. gonorrhoeae	Urine	-	66.7	30	28.9	13	4.4	2
STI_II22S-02	Treponema pallidum	Transport Medium	-	66.7	30	6.7	3	26.7	12
STI_II22S-03	Neisseria gonorrhoeae	Simulated Swab	-	93.3	42	2.2	1	4.4	2
STI_II22S-04	Herpes Simplex Virus Type 2	Transport Medium	-	77.8	35	2.2	1	20	9
STI_II22S-05	C. trachomatis (LGV)	Urine	-	84.4	38	13.3	6	2.2	1
STI_II22S-06	N. gonorrhoeae	Urine	-	93.3	42	2.2	1	4.4	2
STI_II22S-07	C. trachomatis (LGV)	Simulated Swab	-	86.7	39	13.3	6	N/A	0
STI_II22S-08	N. gonorrhoeae	Simulated Swab	-	93.3	42	2.2	1	4.4	2
STI_II22S-09	Herpes Simplex Virus Type 1	Transport Medium	-	75.6	34	4.4	2	20	9
STI_II22S-10	C. trachomatis (LGV)	Simulated Swab	-	86.7	39	11.1	5	2.2	1

[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] Detected / Determined; Not Detected / Not Determined; Not Tested: The percentage (%) of datasets reported by all participants in relation to the assigned status of the panel member i.e. 'positive' or 'negative' and the expected pathogen type as defined through pre-testing and the total number of datasets (n) for each panel member.

For further details please refer to the current participant manual.

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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	Expected Result ^[2]		Your Final Laboratory Reported Result ^[3]			Sample Status ^[7]	Detection Frequency ^[8]	Detection Score ^[9]
	Qualitative	Pathogen ID	Pathogen included in workflow(s) ^[4] Yes/No	Qualitative ^[5]	Reported Pathogen ID ^[6]			
STI_II22S-02	Positive	Treponema pallidum	Yes	Positive	Treponema pallidum	Core	Detected	0
STI_II22S-03	Positive	Neisseria gonorrhoeae	Yes	Positive	Neisseria gonorrhoeae	Core	Frequently Detected	0
STI_II22S-04	Positive	Herpes simplex virus	Yes	Positive	Herpes simplex virus	Core	Frequently Detected	0
STI_II22S-05	Positive	Chlamydia trachomatis	Yes	Positive	Chlamydia trachomatis	Core	Detected	0
STI_II22S-06	Positive	Neisseria gonorrhoeae	Yes	Positive	Neisseria gonorrhoeae	Core	Frequently Detected	0
STI_II22S-07	Positive	Chlamydia trachomatis	Yes	Positive	Chlamydia trachomatis	Core	Detected	0
STI_II22S-08	Positive	Neisseria gonorrhoeae	Yes	Positive	Neisseria gonorrhoeae	Core	Frequently Detected	0
STI_II22S-09	Positive	Herpes simplex virus	Yes	Positive	Herpes simplex virus	Core	Detected	0
STI_II22S-10	Positive	Chlamydia trachomatis	Yes	Positive	Chlamydia trachomatis	Core	Detected	0

[1] **EQA Assessment Group:** To aid 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] **Expected Result:** positive / negative result and the specific pathogen present within each panel member.

[3] **Your Final Laboratory Reported Result:** the final reported result which may be based on one or more workflows used to test each panel member.

[4] **Pathogen included in workflow(s):** Yes / No answer to whether the expected pathogen was tested for.

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


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

[7] **Sample Status:** 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.

[8] **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 by participants within the EQA challenge/distribution. Note that the detection frequency is assigned using only datasets submitted using workflows including the target pathogen.

[9] **Detection Score:** Your detection scores are based on the assigned detection frequency of each panel member, where 0 is "highly satisfactory" and 3 (three) is "highly unsatisfactory"

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	Herpes Simplex Virus (v6)
Description	
Targets	 herpes simplex virus


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Assays	<div>  <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> </div> <div>  <i>Amplification</i> - 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>Herpes Simplex Virus (HSV-1/2) PCR Kit</i> Kit Version: <i>GP</i> </div>
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Used to test samples:	STI_II22S-01, STI_II22S-02, STI_II22S-03, STI_II22S-04, STI_II22S-05, STI_II22S-06, STI_II22S-07, STI_II22S-08, STI_II22S-09, STI_II22S-10
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Name	Neisseria gonorrhoeae (v5)
Description	
Targets	 Neisseria gonorrhoeae
Assays	<div>  <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> </div> <div>  <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 Neisseria gonorrhoeae PCR Kit</i> Kit Version: <i>GP</i> </div>




Used to test samples:	STI_II22S-01, STI_II22S-02, STI_II22S-03, STI_II22S-04, STI_II22S-05, STI_II22S-06, STI_II22S-07, STI_II22S-08, STI_II22S-09, STI_II22S-10
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Name	STI-CNMx (v4)
Description	
Targets	 Mycoplasma genitalium  Neisseria gonorrhoeae  Chlamydia trachomatis


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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"> Multiplex Commercial <ul style="list-style-type: none"> Kit Manufacturer: <i>GeneProof</i> Kit Type: <i>GeneProof CT/NG/MG Multiplex PCR Kit</i> Kit Version: <i>GP</i> </div>
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Used to test samples:	STI_II22S-01, STI_II22S-02, STI_II22S-03, STI_II22S-04, STI_II22S-05, STI_II22S-06, STI_II22S-07, STI_II22S-08, STI_II22S-09, STI_II22S-10
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Name	Chlamydia trachomatis (v5)
Description	
Targets	 Chlamydia trachomatis
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>Chlamydia Trachomatis PCR Kit</i> Kit Version: <i>GP</i> </div>

Used to test samples:	STI_II22S-01, STI_II22S-02, STI_II22S-03, STI_II22S-04, STI_II22S-05, STI_II22S-06, STI_II22S-07, STI_II22S-08, STI_II22S-09, STI_II22S-10
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Name	GeneProof Treponema pallidum PCR Kit (v3)
Description	
Targets	 Treponema pallidum

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Assays	<p> Extraction - Manual Extraction Process</p> <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> <p> Amplification - GeneProof - croBEE Real-Time PCR System</p> <ul style="list-style-type: none"> Commercial <ul style="list-style-type: none"> Kit Manufacturer: <i>GeneProof</i> Kit Type: <i>GeneProof Treponema pallidum PCR Kit</i> Kit Version: <i>GP</i>
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Used to test samples:	STI_II22S-01, STI_II22S-02, STI_II22S-03, STI_II22S-04, STI_II22S-05, STI_II22S-06, STI_II22S-07, STI_II22S-08, STI_II22S-09, STI_II22S-10
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Your Summary Results (Educational Samples)

Sample Code	Expected Result ^[2]		Your Final Laboratory Reported Result ^[3]			Sample Status ^[7]	Detection Frequency ^[8]	Detection Score ^[9]
	Qualitative	Pathogen ID	Pathogen included in workflow(s) ^[4] Yes/No	Qualitative ^[5]	Reported Pathogen ID ^[6]			
STI_II22S-01	Positive	Chlamydia trachomatis and Neisseria gonorrhoeae	Yes	Positive	Chlamydia trachomatis and Neisseria gonorrhoeae	Educational	Detected	0

[1] **EQA Assessment Group:** To aid 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] **Expected Result:** positive / negative result and the specific pathogen present within each panel member.

[3] **Your Final Laboratory Reported Result:** the final reported result which may be based on one or more workflows used to test each panel member.

[4] **Pathogen included in workflow(s):** Yes / No answer to whether the expected pathogen was tested for.

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


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

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[8] **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 by participants within the EQA challenge/distribution. Note that the detection frequency is assigned using only datasets submitted using workflows including the target pathogen.

[9] **Detection Score:** Your detection scores are based on the assigned detection frequency of each panel member, where 0 is "highly satisfactory" and 3 (three) is "highly unsatisfactory"

For further details please refer to the current participant manual.

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Further Programme Details

Number of Participants	44
Number of Countries	23
Number of Respondents	35
Number of Datasets Submitted	45

Comments

Samples STI_II22S-01, STI_II22S-05, STI_II22S-07 and STI_II22S-10 also contain *Mycoplasma hominis* which is not included in the objectives for this EQA. Pathogens not included in the objectives as stated in the instruction manual must not be reported in the **Final Laboratory Reported Result** and will be assessed as false positives. Additional pathogens that are not intended targets of the EQA may be added to the comments but will not be considered when assessing the result. Please refer to the instruction manual for details.

EQA Programme Aims

The sexually transmitted infections II EQA focuses on the molecular detection and determination of various *Chlamydia trachomatis*, *Neisseria gonorrhoeae*, *Treponema pallidum* and herpes simplex virus 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.


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.

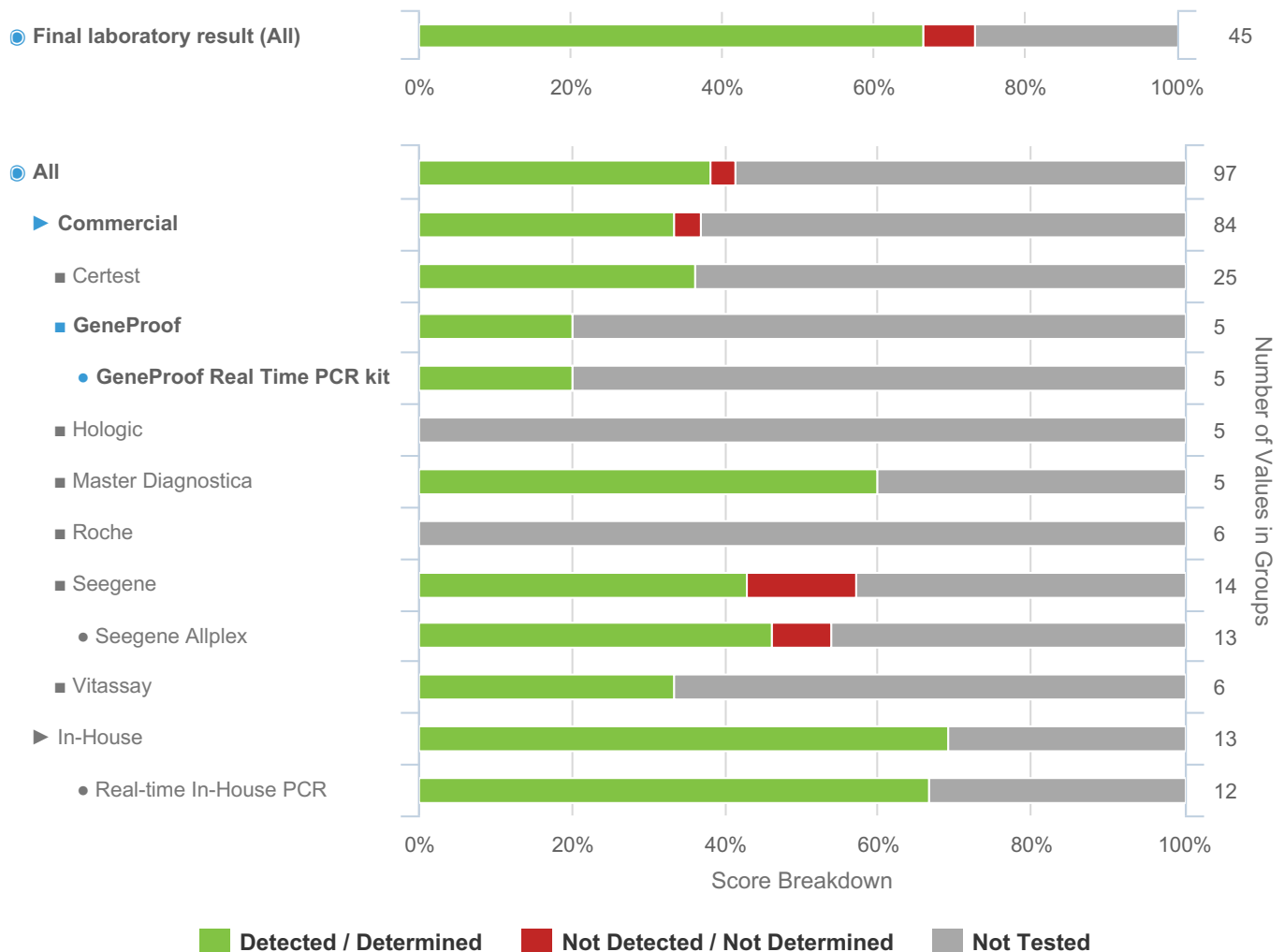
To allow meaningful assessment at the individual method level the EQA assessment group must consist of 5 or more datasets. If there are not sufficient datasets at the individual method level then your results will be included within a higher EQA assessment group based on whether it is a commercial or 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)
STI_II22S-02	Treponema pallidum	Transport Medium	-	Treponema pallidum	66.7	30	6.7	3	26.7	12



Individual Report	QCMD 2022 Sexually Transmitted Infections II EQA Programme					
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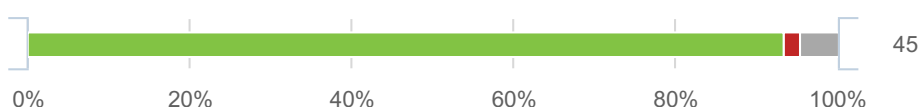
Groups below n=5: AB Analitica (n=1), AB Analitica - AB Analitica REALQUALITY RQ (n=1), Abbott (n=1), Abbott - Abbott Alinity m (n=1), Altona Diagnostics (n=2), Altona Diagnostics - Altona Diagnostics RealStar (n=2), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), Bio-Rad (n=1), Bio-Rad - Bio-Rad Dx (n=1), Diasorin (n=1), Diasorin - DiaSorin Q-LAMP (n=1), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), Goffin Molecular Technologies (n=1), Goffin Molecular Technologies - Goffin Presto (n=1), PathoFinder (n=1), PathoFinder - PathoFinder Real Time PCR (n=1), Progenie Molecular (n=1), Progenie Molecular - Progenie Molecular RealCycler (n=1), QIAGEN (n=2), QIAGEN - Qiagen NeuMoDx (n=2), Roche - Roche Cobas 4800 (n=3), Roche - Roche Cobas 6800/8800 (n=3), Sacace (n=1), Sacace - Sacace Real TM (n=1), Seegene - Seegene Anyplex (n=1), TIB MOLBIOL (n=1), TIB MOLBIOL - TIB-MolBiol LightMix (n=1), vircell (n=2), vircell - vircell Speed-oligo (n=2), In-House - Conventional In-House PCR (n=1)

Groups Rolled Up: Certest - Certest Real Time PCR (n=25), Hologic - Hologic Aptima (n=5), Master Diagnostica - Master Diagnostica Flow Chip (n=5), Vitassay - Vitassay Real-Time PCR (n=6)

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Sample Code	Sample Content	Matrix	Sample Relationships	Expected targets	Detected / Determined		Not Detected / Not Determined		Not Tested	
					(%)	(n)	(%)	(n)	(%)	(n)
STI_II22S-03	Neisseria gonorrhoeae	Simulated Swab	-	Neisseria gonorrhoeae	93.3	42	2.2	1	4.4	2

● Final laboratory result (All)



● All

► Commercial

■ Certest

■ GeneProof

● GeneProof Real Time PCR kit

■ Hologic

■ Master Diagnostica

■ Roche

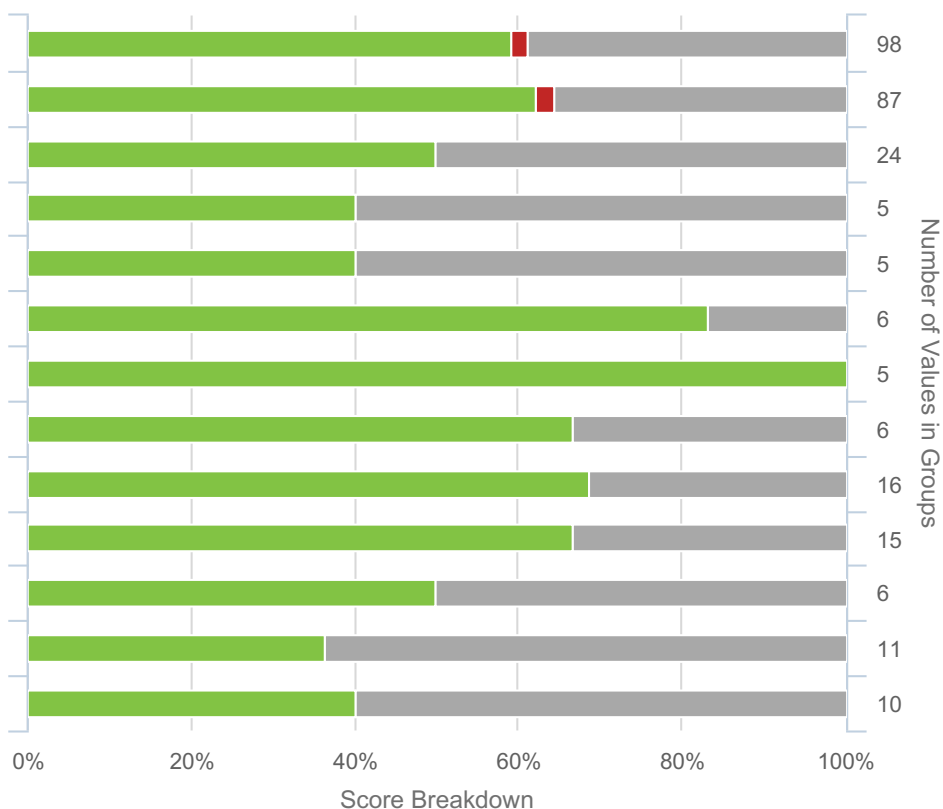
■ Seegene

● Seegene Allplex

■ Vitassay

► In-House


● Real-time In-House PCR



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

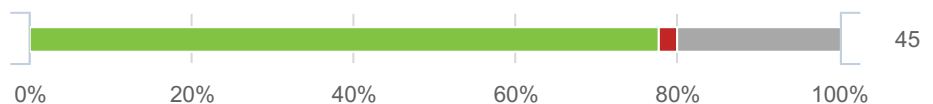
Groups below n=5: AB Analitica (n=1), AB Analitica - AB Analitica REALQUALITY RQ (n=1), Abbott (n=2), Abbott - Abbott Alinity m (n=2), Altona Diagnostics (n=2), Altona Diagnostics - Altona Diagnostics RealStar (n=2), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), Bio-Rad (n=1), Bio-Rad - Bio-Rad Dx (n=1), Cepheid (n=1), Cepheid - Cepheid Xpert kit (n=1), Diasorin (n=1), Diasorin - DiaSorin Q-LAMP (n=1), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), Goffin Molecular Technologies (n=1), Goffin Molecular Technologies - Goffin Presto (n=1), PathoFinder (n=1), PathoFinder - PathoFinder Real Time PCR (n=1), QIAGEN (n=2), QIAGEN - Qiagen NeuMoDx (n=2), Roche - Roche Cobas 4800 (n=3), Roche - Roche Cobas 6800/8800 (n=3), Sacace (n=1), Sacace - Sacace Real TM (n=1), Seegene - Seegene Anyplex (n=1), TIB MOLBIOL (n=1), TIB MOLBIOL - TIB-MolBiol LightMix (n=1), viracell (n=2), viracell - viracell Speed-oligo (n=2), In-House - Conventional In-House PCR (n=1)

Groups Rolled Up: Certest - Certest Real Time PCR (n=24), Hologic - Hologic Aptima (n=6), Master Diagnostica - Master Diagnostica Flow Chip (n=5), Vitassay - Vitassay Real-Time PCR (n=6)

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Sample Code	Sample Content	Matrix	Sample Relationships	Expected targets	Detected / Determined		Not Detected / Not Determined		Not Tested	
					(%)	(n)	(%)	(n)	(%)	(n)
STI_II22S-04	Herpes Simplex Virus Type 2	Transport Medium	-	Herpes simplex virus	77.8	35	2.2	1	20	9

● Final laboratory result (All)



● All

► Commercial

■ Certest

■ GeneProof

● GeneProof Real Time PCR kit

■ Hologic

■ Master Diagnostica

■ Roche

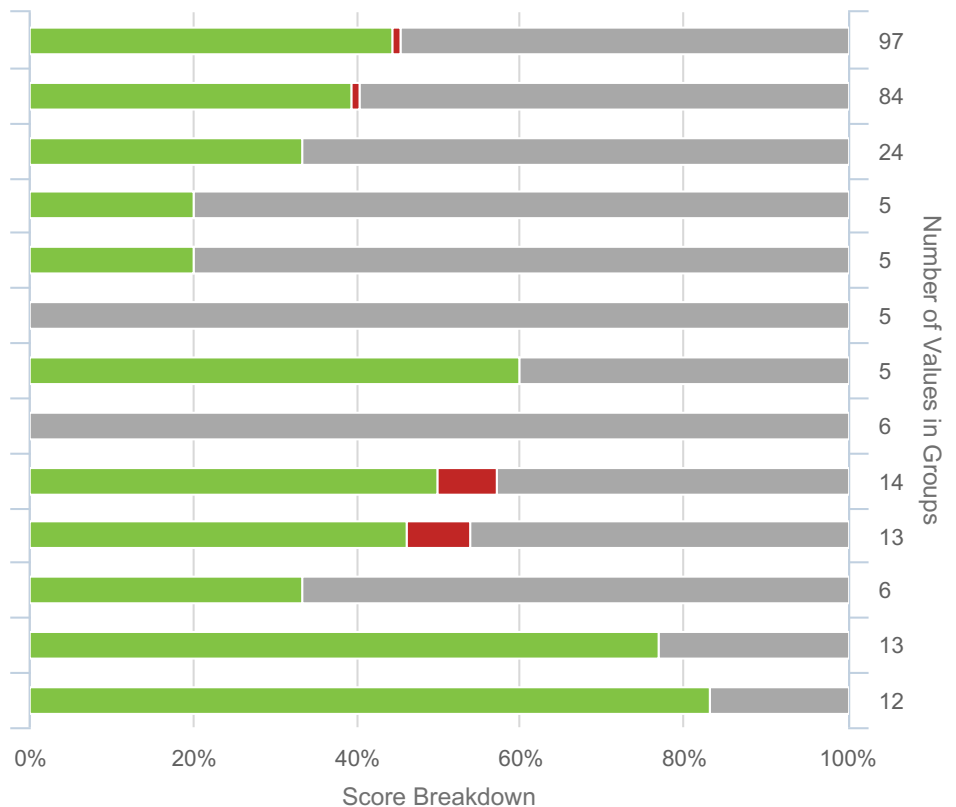
■ Seegene

● Seegene Allplex


■ Vitassay

► In-House

● Real-time In-House PCR




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

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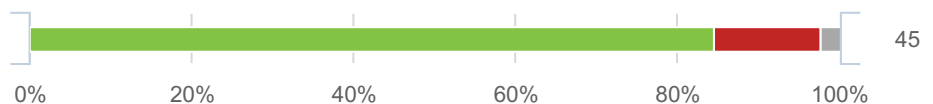
Groups below n=5: AB Analitica (n=1), AB Analitica - AB Analitica REALQUALITY RQ (n=1), Abbott (n=1), Abbott - Abbott Alinity m (n=1), Altona Diagnostics (n=3), Altona Diagnostics - Altona Diagnostics RealStar (n=3), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), Bio-Rad (n=1), Bio-Rad - Bio-Rad Dx (n=1), Diasorin (n=1), Diasorin - DiaSorin Q-LAMP (n=1), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), Goffin Molecular Technologies (n=1), Goffin Molecular Technologies - Goffin Presto (n=1), PathoFinder (n=1), PathoFinder - PathoFinder Real Time PCR (n=1), Progenie Molecular (n=1), Progenie Molecular - Progenie Molecular RealCycler (n=1), QIAGEN (n=2), QIAGEN - Qiagen NeuMoDx (n=2), Roche - Roche Cobas 4800 (n=3), Roche - Roche Cobas 6800/8800 (n=3), Sacace (n=1), Sacace - Sacace Real TM (n=1), Seegene - Seegene Anyplex (n=1), TIB MOLBIOL (n=1), TIB MOLBIOL - TIB-MolBiol LightMix (n=1), vircell (n=2), vircell - vircell Speed-oligo (n=2), In-House - Conventional In-House PCR (n=1)

Groups Rolled Up: Certest - Certest Real Time PCR (n=24), Hologic - Hologic Aptima (n=5), Master Diagnostica - Master Diagnostica Flow Chip (n=5), Vitassay - Vitassay Real-Time PCR (n=6)

Individual Report		QCMD 2022 Sexually Transmitted Infections II EQA Programme					
Catalogue Code: QAM174201	Ref Code: STI_II22	Challenge: S	Analysis Type: Multiple Pathogen Qualitative	Dataset: 596921	Report UID: 2677/59886/5004	Laboratory CZ023	

Sample Code	Sample Content	Matrix	Sample Relationships	Expected targets	Detected / Determined		Not Detected / Not Determined		Not Tested	
					(%)	(n)	(%)	(n)	(%)	(n)
STI_II22S-05	C. trachomatis (LGV)	Urine	-	Chlamydia trachomatis	84.4	38	13.3	6	2.2	1

● Final laboratory result (All)



● All

► Commercial

■ Certest

■ GeneProof

● GeneProof Real Time PCR kit

■ Hologic

■ Master Diagnostica

■ Roche

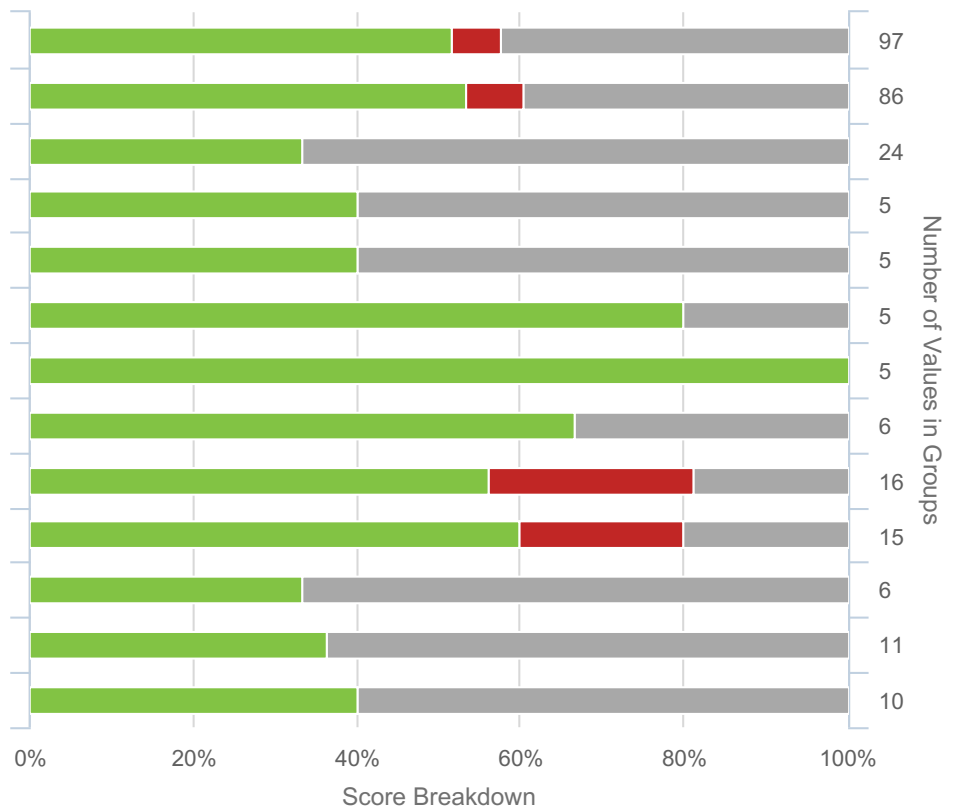
■ Seegene

● Seegene Allplex


■ Vitassay

► In-House

● Real-time In-House PCR



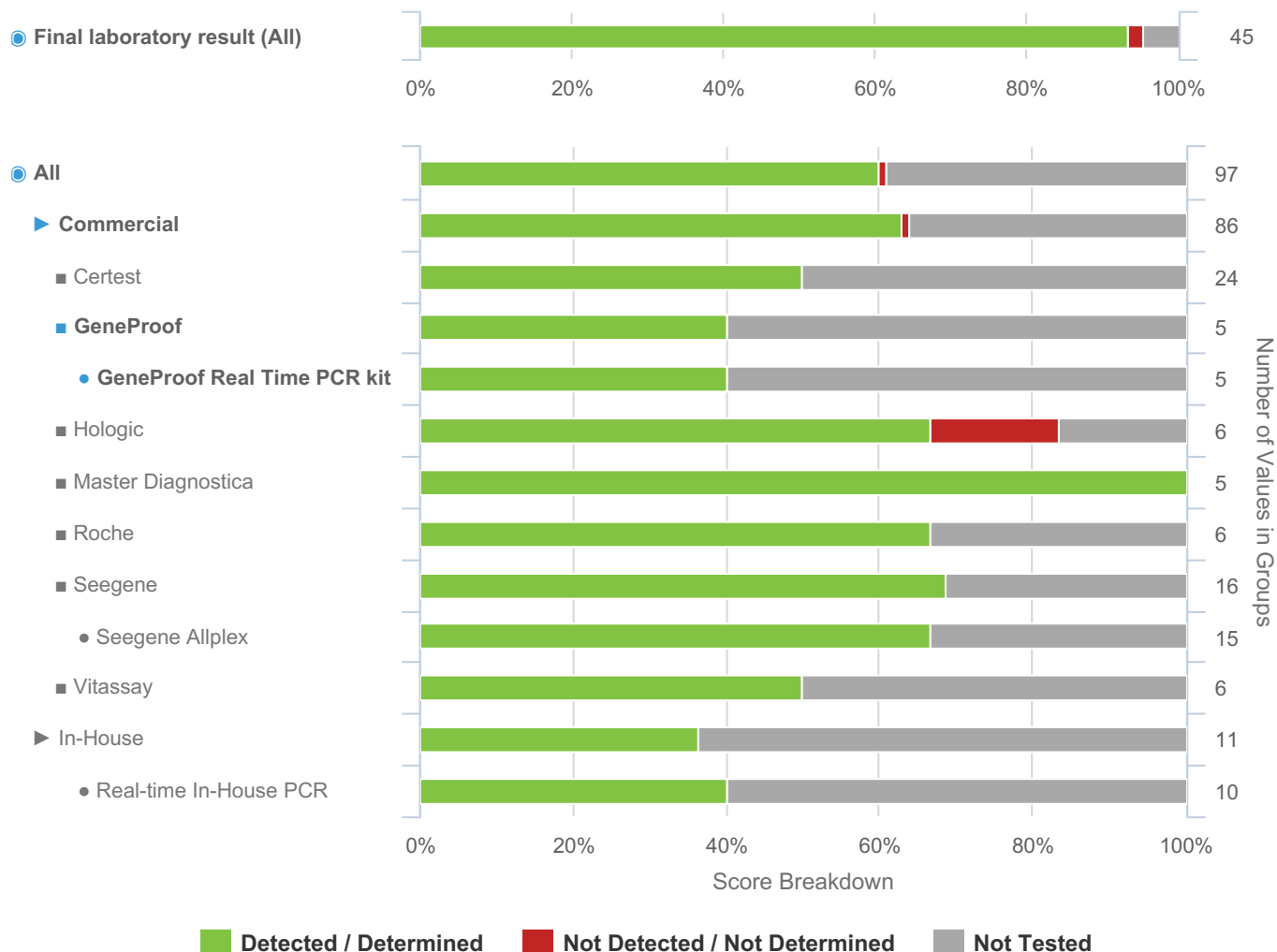
■ Detected / Determined
 ■ Not Detected / Not Determined
 ■ Not Tested


Individual Report		QCMD 2022 Sexually Transmitted Infections II EQA Programme					
Catalogue Code: QAM174201	Ref Code: STI_II22	Challenge: S	Analysis Type: Multiple Pathogen Qualitative	Dataset: 596921	Report UID: 2677/59886/5004	Laboratory CZ023	

Groups below n=5: AB Analitica (n=1), AB Analitica - AB Analitica REALQUALITY RQ (n=1), Abbott (n=2), Abbott - Abbott Alinity m (n=2), Altona Diagnostics (n=2), Altona Diagnostics - Altona Diagnostics RealStar (n=2), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), Bio-Rad (n=1), Bio-Rad - Bio-Rad Dx (n=1), Cepheid (n=1), Cepheid - Cepheid Xpert kit (n=1), Diasorin (n=1), Diasorin - DiaSorin Q-LAMP (n=1), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), Goffin Molecular Technologies (n=1), Goffin Molecular Technologies - Goffin Presto (n=1), PathoFinder (n=1), PathoFinder - PathoFinder Real Time PCR (n=1), QIAGEN (n=2), QIAGEN - Qiagen NeuMoDx (n=2), Roche - Roche Cobas 4800 (n=3), Roche - Roche Cobas 6800/8800 (n=3), Sacace (n=1), Sacace - Sacace Real TM (n=1), Seegene - Seegene Anyplex (n=1), TIB MOLBIOL (n=1), TIB MOLBIOL - TIB-MolBiol LightMix (n=1), vircell (n=2), vircell - vircell Speed-oligo (n=2), In-House - Conventional In-House PCR (n=1)

Groups Rolled Up: Certest - Certest Real Time PCR (n=24), Hologic - Hologic Aptima (n=5), Master Diagnostica - Master Diagnostica Flow Chip (n=5), Vitassay - Vitassay Real-Time PCR (n=6)


Sample Code	Sample Content	Matrix	Sample Relationships	Expected targets	Detected / Determined		Not Detected / Not Determined		Not Tested	
					(%)	(n)	(%)	(n)	(%)	(n)
STI_II22S-06	N. gonorrhoeae	Urine	-	Neisseria gonorrhoeae	93.3	42	2.2	1	4.4	2



Individual Report	QCMD 2022 Sexually Transmitted Infections II EQA Programme					
Catalogue Code: QAM174201	Ref Code: STI_II22	Challenge: S	Analysis Type: Multiple Pathogen Qualitative	Dataset: 596921	Report UID: 2677/59886/5004	Laboratory CZ023

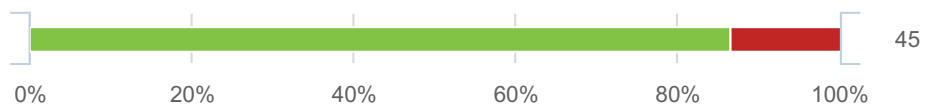
Groups below n=5: AB Analitica (n=1), AB Analitica - AB Analitica REALQUALITY RQ (n=1), Abbott (n=2), Abbott - Abbott Alinity m (n=2), Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics RealStar (n=1), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), Bio-Rad (n=1), Bio-Rad - Bio-Rad Dx (n=1), Cepheid (n=1), Cepheid - Cepheid Xpert kit (n=1), Diasorin (n=1), Diasorin - DiaSorin Q-LAMP (n=1), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), Goffin Molecular Technologies (n=1), Goffin Molecular Technologies - Goffin Presto (n=1), PathoFinder (n=1), PathoFinder - PathoFinder Real Time PCR (n=1), QIAGEN (n=2), QIAGEN - Qiagen NeuMoDx (n=2), Roche - Roche Cobas 4800 (n=3), Roche - Roche Cobas 6800/8800 (n=3), Sacace (n=1), Sacace - Sacace Real TM (n=1), Seegene - Seegene Anyplex (n=1), TIB MOLBIOL (n=1), TIB MOLBIOL - TIB-MolBiol LightMix (n=1), vircell (n=2), vircell - vircell Speed-oligo (n=2), In-House - Conventional In-House PCR (n=1)

Groups Rolled Up: Certest - Certest Real Time PCR (n=24), Hologic - Hologic Aptima (n=6), Master Diagnostica - Master Diagnostica Flow Chip (n=5), Vitassay - Vitassay Real-Time PCR (n=6)

Individual Report		QCMD 2022 Sexually Transmitted Infections II EQA Programme					
Catalogue Code: QAM174201	Ref Code: STI_II22	Challenge: S	Analysis Type: Multiple Pathogen Qualitative	Dataset: 596921	Report UID: 2677/59886/5004	Laboratory CZ023	

Sample Code	Sample Content	Matrix	Sample Relationships	Expected targets	Detected / Determined		Not Detected / Not Determined		Not Tested	
					(%)	(n)	(%)	(n)	(%)	(n)
STI_II22S-07	C. trachomatis (LGV)	Simulated Swab	-	Chlamydia trachomatis	86.7	39	13.3	6	N/A	0

● Final laboratory result (All)



● All

► Commercial

■ Certest

■ GeneProof

● GeneProof Real Time PCR kit

■ Hologic

■ Master Diagnostica

■ Roche

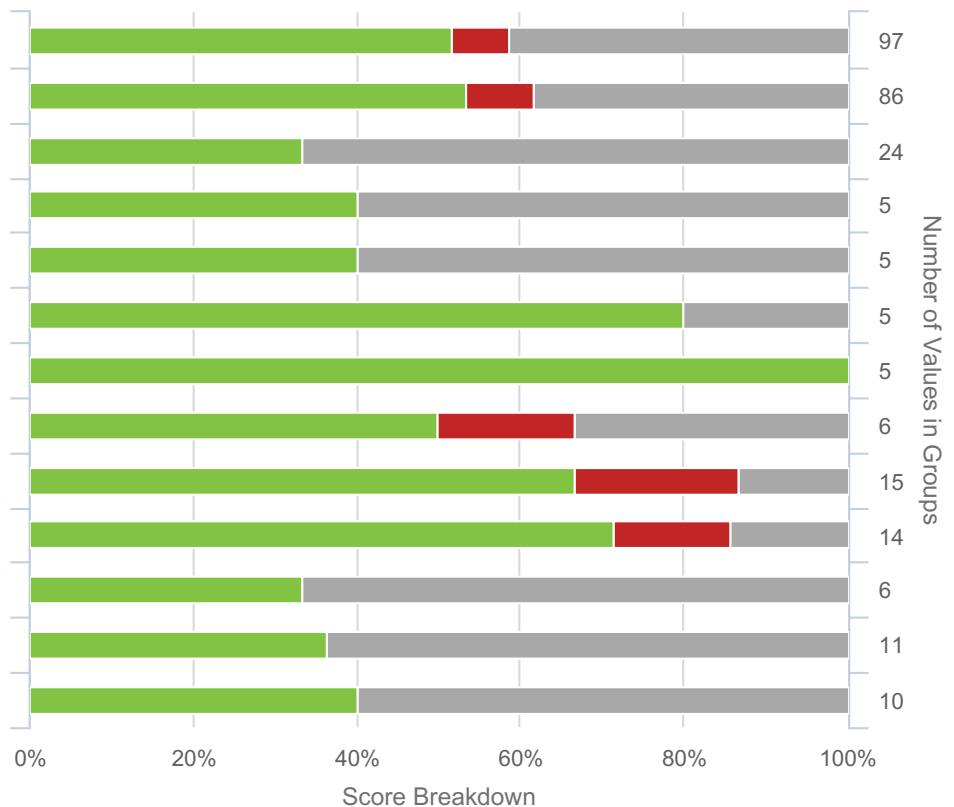
■ Seegene

● Seegene Allplex

■ Vitassay

► In-House


● Real-time In-House PCR



■ Detected / Determined


■ Not Detected / Not Determined

■ Not Tested

Individual Report	QCMD 2022 Sexually Transmitted Infections II EQA Programme					
Catalogue Code: QAM174201	Ref Code: STI_II22	Challenge: S	Analysis Type: Multiple Pathogen Qualitative	Dataset: 596921	Report UID: 2677/59886/5004	Laboratory CZ023

Groups below n=5: AB Analitica (n=1), AB Analitica - AB Analitica REALQUALITY RQ (n=1), Abbott (n=2), Abbott - Abbott Alinity m (n=2), Altona Diagnostics (n=2), Altona Diagnostics - Altona Diagnostics RealStar (n=2), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), Bio-Rad (n=1), Bio-Rad - Bio-Rad Dx (n=1), Cepheid (n=1), Cepheid - Cepheid Xpert kit (n=1), Diasorin (n=1), Diasorin - DiaSorin Q-LAMP (n=1), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), Goffin Molecular Technologies (n=1), Goffin Molecular Technologies - Goffin Presto (n=1), PathoFinder (n=1), PathoFinder - PathoFinder Real Time PCR (n=1), QIAGEN (n=2), QIAGEN - Qiagen NeuMoDx (n=2), Roche - Roche Cobas 4800 (n=3), Roche - Roche Cobas 6800/8800 (n=3), Sacace (n=1), Sacace - Sacace Real TM (n=1), Seegene - Seegene Anyplex (n=1), TIB MOLBIOL (n=1), TIB MOLBIOL - TIB-MolBiol LightMix (n=1), fast-track DIAGNOSTICS (n=1), fast-track DIAGNOSTICS - FTD real time PCR (n=1), vircell (n=2), vircell - vircell Speed-oligo (n=2), In-House - Conventional In-House PCR (n=1)

Groups Rolled Up: Certest - Certest Real Time PCR (n=24), Hologic - Hologic Aptima (n=5), Master Diagnostica - Master Diagnostica Flow Chip (n=5), Vitassay - Vitassay Real-Time PCR (n=6)

Individual Report		QCMD 2022 Sexually Transmitted Infections II EQA Programme					
Catalogue Code: QAM174201	Ref Code: STI_II22	Challenge: S	Analysis Type: Multiple Pathogen Qualitative	Dataset: 596921	Report UID: 2677/59886/5004	Laboratory CZ023	

Sample Code	Sample Content	Matrix	Sample Relationships	Expected targets	Detected / Determined		Not Detected / Not Determined		Not Tested	
					(%)	(n)	(%)	(n)	(%)	(n)
STI_II22S-08	N. gonorrhoeae	Simulated Swab	-	Neisseria gonorrhoeae	93.3	42	2.2	1	4.4	2

● Final laboratory result (All)



● All

► Commercial

■ Certest

■ GeneProof

● GeneProof Real Time PCR kit

■ Hologic

■ Master Diagnostica

■ Roche

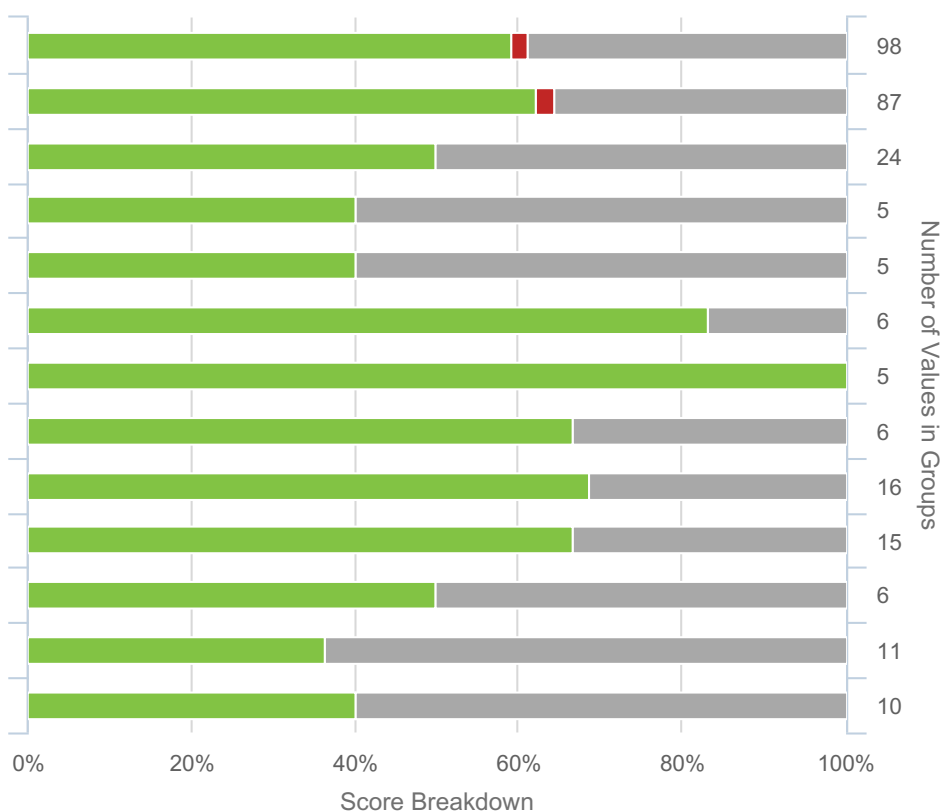
■ Seegene

● Seegene Allplex

■ Vitassay

► In-House


● Real-time In-House PCR



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

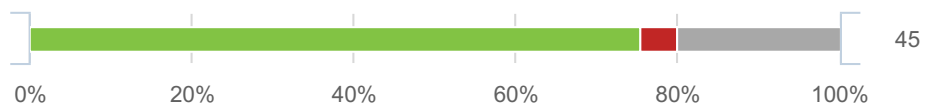
Groups below n=5: AB Analitica (n=1), AB Analitica - AB Analitica REALQUALITY RQ (n=1), Abbott (n=2), Abbott - Abbott Alinity m (n=2), Altona Diagnostics (n=2), Altona Diagnostics - Altona Diagnostics RealStar (n=2), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), Bio-Rad (n=1), Bio-Rad - Bio-Rad Dx (n=1), Cepheid (n=1), Cepheid - Cepheid Xpert kit (n=1), Diasorin (n=1), Diasorin - DiaSorin Q-LAMP (n=1), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), Goffin Molecular Technologies (n=1), Goffin Molecular Technologies - Goffin Presto (n=1), PathoFinder (n=1), PathoFinder - PathoFinder Real Time PCR (n=1), QIAGEN (n=2), QIAGEN - Qiagen NeuMoDx (n=2), Roche - Roche Cobas 4800 (n=3), Roche - Roche Cobas 6800/8800 (n=3), Sacace (n=1), Sacace - Sacace Real TM (n=1), Seegene - Seegene Anyplex (n=1), TIB MOLBIOL (n=1), TIB MOLBIOL - TIB-MolBiol LightMix (n=1), vircell (n=2), vircell - vircell Speed-oligo (n=2), In-House - Conventional In-House PCR (n=1)

Groups Rolled Up: Certest - Certest Real Time PCR (n=24), Hologic - Hologic Aptima (n=6), Master Diagnostica - Master Diagnostica Flow Chip (n=5), Vitassay - Vitassay Real-Time PCR (n=6)

Individual Report		QCMD 2022 Sexually Transmitted Infections II EQA Programme				 Quality Control for Molecular Diagnostics	
Catalogue Code: QAM174201	Ref Code: STI_II22	Challenge: S	Analysis Type: Multiple Pathogen Qualitative	Dataset: 596921	Report UID: 2677/59886/5004	Laboratory CZ023	

Sample Code	Sample Content	Matrix	Sample Relationships	Expected targets	Detected / Determined		Not Detected / Not Determined		Not Tested	
					(%)	(n)	(%)	(n)	(%)	(n)
STI_II22S-09	Herpes Simplex Virus Type 1	Transport Medium	-	Herpes simplex virus	75.6	34	4.4	2	20	9

● Final laboratory result (All)



● All

► Commercial

■ Certest

■ GeneProof

● GeneProof Real Time PCR kit

■ Hologic

■ Master Diagnostica

■ Roche

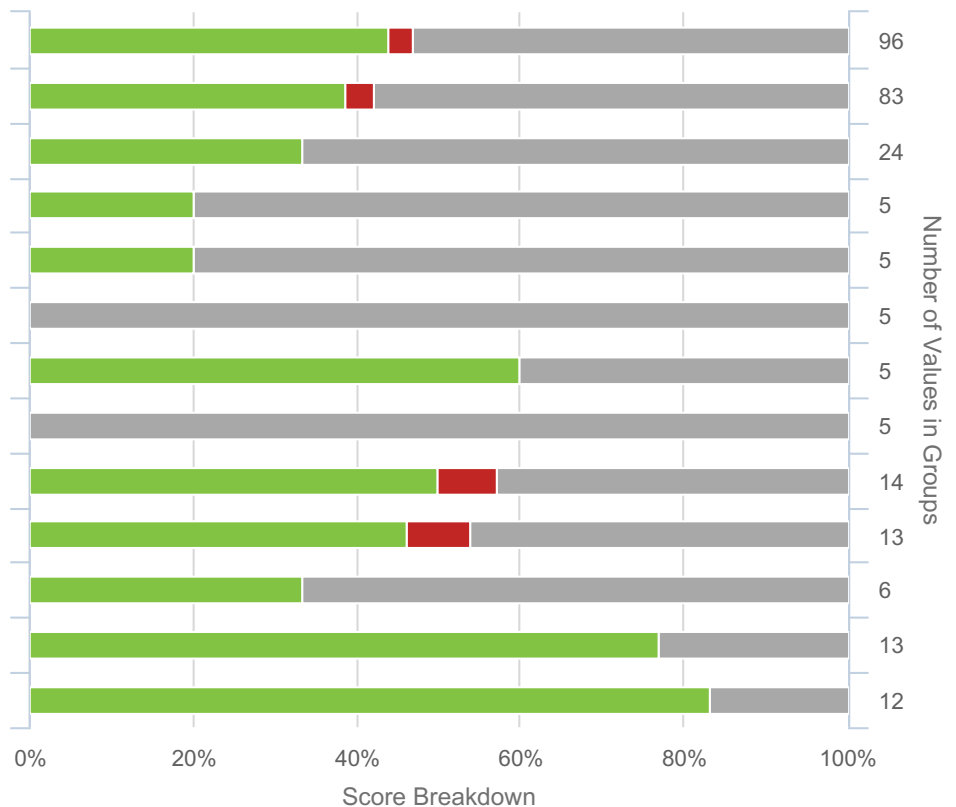
■ Seegene

● Seegene Allplex


■ Vitassay

► In-House

● Real-time In-House PCR




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

Individual Report	QCMD 2022 Sexually Transmitted Infections II EQA Programme					
Catalogue Code: QAM174201	Ref Code: STI_II22	Challenge: S	Analysis Type: Multiple Pathogen Qualitative	Dataset: 596921	Report UID: 2677/59886/5004	Laboratory CZ023

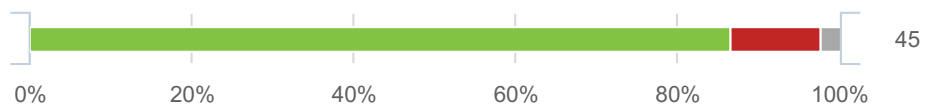
Groups below n=5: AB Analitica (n=1), AB Analitica - AB Analitica REALQUALITY RQ (n=1), Abbott (n=1), Abbott - Abbott Alinity m (n=1), Altona Diagnostics (n=3), Altona Diagnostics - Altona Diagnostics RealStar (n=3), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), Bio-Rad (n=1), Bio-Rad - Bio-Rad Dx (n=1), Diasorin (n=1), Diasorin - DiaSorin Q-LAMP (n=1), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), Goffin Molecular Technologies (n=1), Goffin Molecular Technologies - Goffin Presto (n=1), PathoFinder (n=1), PathoFinder - PathoFinder Real Time PCR (n=1), Progenie Molecular (n=1), Progenie Molecular - Progenie Molecular RealCycler (n=1), QIAGEN (n=2), QIAGEN - Qiagen NeuMoDx (n=2), Roche - Roche Cobas 4800 (n=2), Roche - Roche Cobas 6800/8800 (n=3), Sacace (n=1), Sacace - Sacace Real TM (n=1), Seegene - Seegene Anyplex (n=1), TIB MOLBIOL (n=1), TIB MOLBIOL - TIB-MolBiol LightMix (n=1), vircell (n=2), vircell - vircell Speed-oligo (n=2), In-House - Conventional In-House PCR (n=1)

Groups Rolled Up: Certest - Certest Real Time PCR (n=24), Hologic - Hologic Aptima (n=5), Master Diagnostica - Master Diagnostica Flow Chip (n=5), Vitassay - Vitassay Real-Time PCR (n=6)

Individual Report		QCMD 2022 Sexually Transmitted Infections II EQA Programme					
Catalogue Code: QAM174201	Ref Code: STI_II22	Challenge: S	Analysis Type: Multiple Pathogen Qualitative	Dataset: 596921	Report UID: 2677/59886/5004	Laboratory CZ023	

Sample Code	Sample Content	Matrix	Sample Relationships	Expected targets	Detected / Determined		Not Detected / Not Determined		Not Tested	
					(%)	(n)	(%)	(n)	(%)	(n)
STI_II22S-10	C. trachomatis (LGV)	Simulated Swab	-	Chlamydia trachomatis	86.7	39	11.1	5	2.2	1

● Final laboratory result (All)



● All

► Commercial

■ Certest

■ GeneProof

● GeneProof Real Time PCR kit

■ Hologic

■ Master Diagnostica

■ Roche

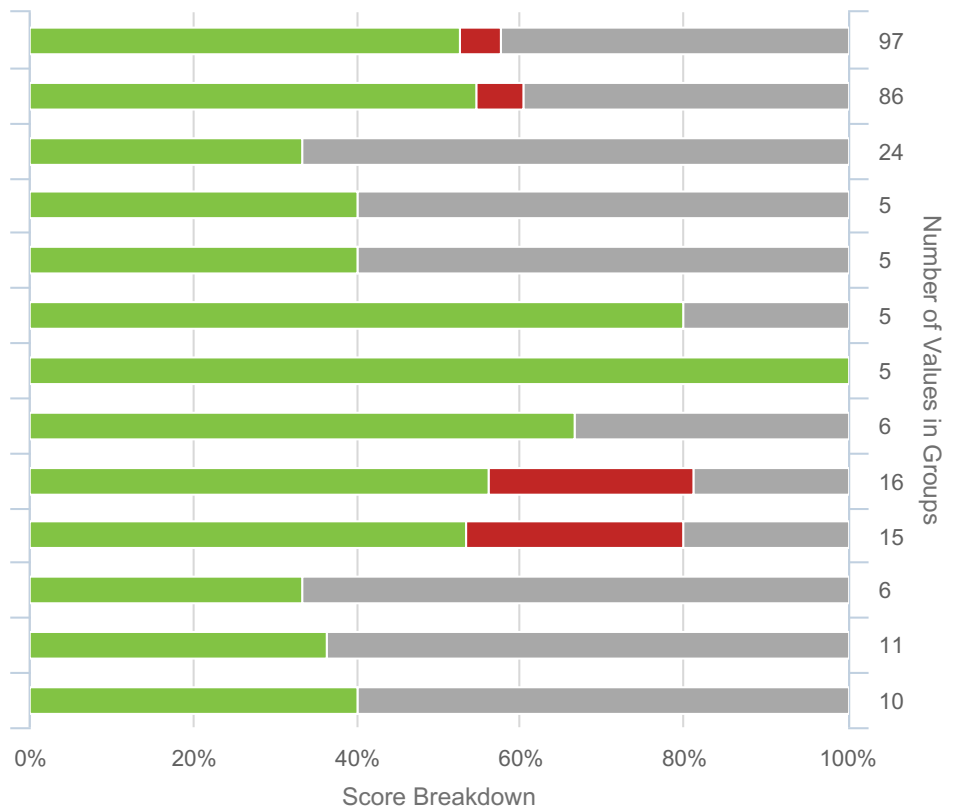
■ Seegene

● Seegene Allplex


■ Vitassay

► In-House

● Real-time In-House PCR



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

Individual Report		QCMD 2022 Sexually Transmitted Infections II EQA Programme			 QCMD <small>Quality Control for Molecular Diagnostics</small>	
Catalogue Code: QAM174201	Ref Code: STI_II22	Challenge: S	Analysis Type: Multiple Pathogen Qualitative	Dataset: 596921	Report UID: 2677/59886/5004	Laboratory CZ023

Groups below n=5: AB Analitica (n=1), AB Analitica - AB Analitica REALQUALITY RQ (n=1), Abbott (n=2), Abbott - Abbott Alinity m (n=2), Altona Diagnostics (n=2), Altona Diagnostics - Altona Diagnostics RealStar (n=2), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), Bio-Rad (n=1), Bio-Rad - Bio-Rad Dx (n=1), Cepheid (n=1), Cepheid - Cepheid Xpert kit (n=1), Diasorin (n=1), Diasorin - DiaSorin Q-LAMP (n=1), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), Goffin Molecular Technologies (n=1), Goffin Molecular Technologies - Goffin Presto (n=1), PathoFinder (n=1), PathoFinder - PathoFinder Real Time PCR (n=1), QIAGEN (n=2), QIAGEN - Qiagen NeuMoDx (n=2), Roche - Roche Cobas 4800 (n=3), Roche - Roche Cobas 6800/8800 (n=3), Sacace (n=1), Sacace - Sacace Real TM (n=1), Seegene - Seegene Anyplex (n=1), TIB MOLBIOL (n=1), TIB MOLBIOL - TIB-MolBiol LightMix (n=1), vircell (n=2), vircell - vircell Speed-oligo (n=2), In-House - Conventional In-House PCR (n=1)

Groups Rolled Up: Certest - Certest Real Time PCR (n=24), Hologic - Hologic Aptima (n=5), Master Diagnostica - Master Diagnostica Flow Chip (n=5), Vitassay - Vitassay Real-Time PCR (n=6)


Individual Panel Member Analysis (Educational 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.

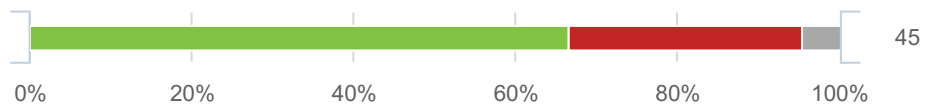
A breakdown of qualitative results reported for all workflows used by participants on each of the panel members within this EQA challenge / distribution is provided below. Note: participants may use multiple workflows for each sample.

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

Individual Report		QCMD 2022 Sexually Transmitted Infections II EQA Programme					
Catalogue Code: QAM174201	Ref Code: STI_II22	Challenge: S	Analysis Type: Multiple Pathogen Qualitative	Dataset: 596921	Report UID: 2677/59886/5004	Laboratory CZ023	

Sample Code	Sample Content	Matrix	Sample Relationships	Expected targets	Detected / Determined		Not Detected / Not Determined		Not Tested	
					(%)	(n)	(%)	(n)	(%)	(n)
STI_II22S-01	C. trachomatis and N. gonorrhoeae	Urine	-	Chlamydia trachomatis and Neisseria gonorrhoeae	66.7	30	28.9	13	4.4	2

● Final laboratory result (All)



● All

► Commercial

■ Certest

■ GeneProof

● GeneProof Real Time PCR kit

■ Hologic

■ Master Diagnostica

■ Roche

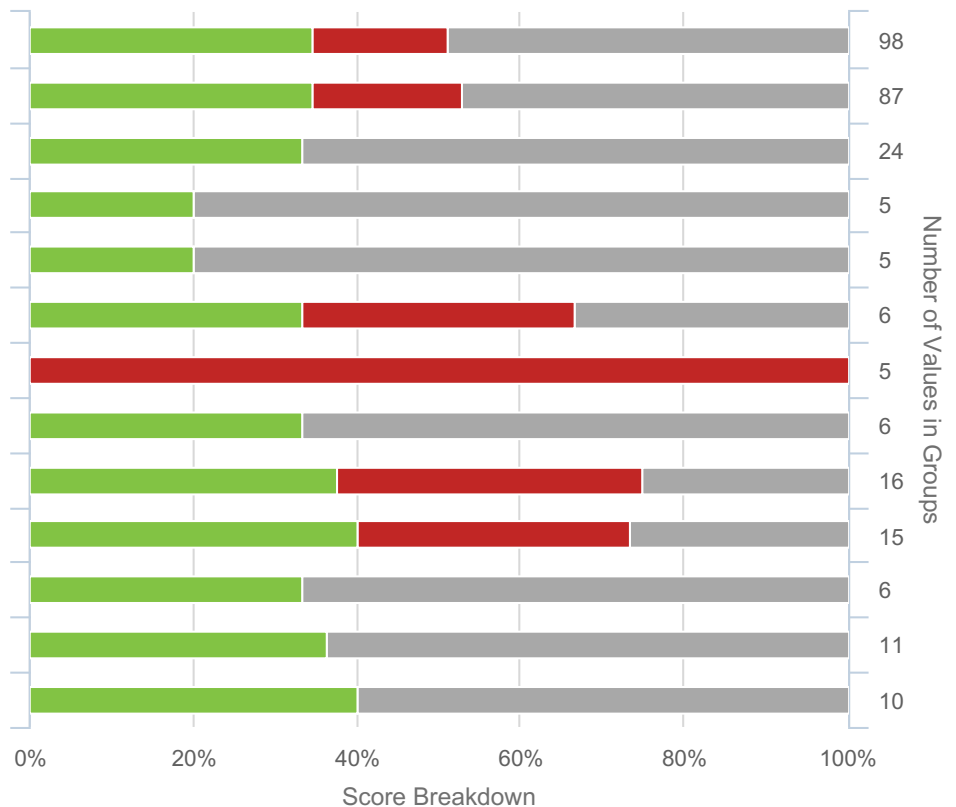
■ Seegene

● Seegene Allplex


■ Vitassay

► In-House

● Real-time In-House PCR



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

Individual Report	QCMD 2022 Sexually Transmitted Infections II EQA Programme					
Catalogue Code: QAM174201	Ref Code: STI_II22	Challenge: S	Analysis Type: Multiple Pathogen Qualitative	Dataset: 596921	Report UID: 2677/59886/5004	Laboratory CZ023

Groups below n=5: AB Analitica (n=1), AB Analitica - AB Analitica REALQUALITY RQ (n=1), Abbott (n=2), Abbott - Abbott Alinity m (n=2), Altona Diagnostics (n=2), Altona Diagnostics - Altona Diagnostics RealStar (n=2), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), Bio-Rad (n=1), Bio-Rad - Bio-Rad Dx (n=1), Cepheid (n=1), Cepheid - Cepheid Xpert kit (n=1), Diasorin (n=1), Diasorin - DiaSorin Q-LAMP (n=1), ELITech Group (n=1), ELITech Group - Elitech Elite Real Time kit (n=1), Goffin Molecular Technologies (n=1), Goffin Molecular Technologies - Goffin Presto (n=1), PathoFinder (n=1), PathoFinder - PathoFinder Real Time PCR (n=1), QIAGEN (n=2), QIAGEN - Qiagen NeuMoDx (n=2), Roche - Roche Cobas 4800 (n=3), Roche - Roche Cobas 6800/8800 (n=3), Sacace (n=1), Sacace - Sacace Real TM (n=1), Seegene - Seegene Anyplex (n=1), TIB MOLBIOL (n=1), TIB MOLBIOL - TIB-MolBiol LightMix (n=1), vircell (n=2), vircell - vircell Speed-oligo (n=2), In-House - Conventional In-House PCR (n=1)

Groups Rolled Up: Certest - Certest Real Time PCR (n=24), Hologic - Hologic Aptima (n=6), Master Diagnostica - Master Diagnostica Flow Chip (n=5), Vitassay - Vitassay Real-Time PCR (n=6)

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