


Individual Report		QCMD 2022 Sexually Transmitted Infections I EQA Programme				 QCMD Quality Control for Molecular Diagnostics	
Catalogue Code: QAB154177	Ref Code: STI_I22	Challenge: S	Analysis Type: Multiple Pathogen Qualitative	Dataset: 598008	Report UID: 2677/60003/5012	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_I22S-01	Trichomonas vaginalis	Transport Medium	DS1_1	87	94	1.9	2	11.1	12
STI_I22S-02	Mycoplasma genitalium (drug resistant)	Transport Medium	-	90.7	98	2.8	3	6.5	7
STI_I22S-03	Mycoplasma hominis	Transport Medium	-	60.2	65	6.5	7	33.3	36
STI_I22S-04	Trichomonas vaginalis	Transport Medium	DS1_2	85.2	92	3.7	4	11.1	12
STI_I22S-05	Mycoplasma genitalium (wild type)	Transport Medium	-	91.7	99	1.9	2	6.5	7
STI_I22S-06	Gardnerella vaginalis & Trichomonas vaginalis	Transport Medium	-	23.1	25	7.4	8	69.4	75
STI_I22S-07	Trichomonas vaginalis	Transport Medium	DS1_3	72.2	78	16.7	18	11.1	12
STI_I22S-08	Negative	Transport Medium	-	99.1	107	0.9	1	N/A	0
STI_I22S-09	Mycoplasma hominis	Transport Medium	-	33.3	36	38.9	42	27.8	30
STI_I22S-10	Gardnerella vaginalis	Transport Medium	-	24.1	26	8.3	9	67.6	73

[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_I22S-01	Positive	Trichomonas vaginalis	No	Negative		Core	Frequently Detected	-
STI_I22S-02	Positive	Mycoplasma genitalium	Yes	Positive	Mycoplasma genitalium	Core	Frequently Detected	0
STI_I22S-03	Positive	Mycoplasma hominis	Yes	Positive	Mycoplasma hominis	Core	Detected	0
STI_I22S-04	Positive	Trichomonas vaginalis	No	Negative		Core	Frequently Detected	-
STI_I22S-05	Positive	Mycoplasma genitalium	Yes	Positive	Mycoplasma genitalium	Core	Frequently Detected	0
STI_I22S-08	Negative		N/A	Negative		Core	Negative	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	GeneProof Gardnerella vaginalis PCR Kit - croBEE (v2)
Description	
Targets	B Gardnerella vaginalis


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Assays	<div>  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 Nucleic Acid Extraction 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>Gardnerella vaginalis PCR Kit</i> Kit Version: <i>GP</i> </div>
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Used to test samples:	STI_I22S-01, STI_I22S-02, STI_I22S-03, STI_I22S-04, STI_I22S-05, STI_I22S-06, STI_I22S-07, STI_I22S-08, STI_I22S-09, STI_I22S-10
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Name	GeneProof Ureaplasma PCR Kit - croBEE (v2)
Description	
Targets	<div> Ureaplasma parvum</div> <div> Ureaplasma urealyticum</div>
Assays	<div>  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 Nucleic Acid Extraction 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>Ureaplasma PCR Kit</i> Kit Version: <i>GP</i> </div>



Used to test samples:	STI_I22S-01, STI_I22S-02, STI_I22S-03, STI_I22S-04, STI_I22S-05, STI_I22S-06, STI_I22S-07, STI_I22S-08, STI_I22S-09, STI_I22S-10
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Name	STI-CNMx-croBEE (v3)
Description	
Targets	<div> Mycoplasma genitalium</div> <div> Neisseria gonorrhoeae</div> <div> Chlamydia trachomatis</div>

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Assays	<div>  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>201A Nucleic Acid Extraction 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_I22S-01, STI_I22S-02, STI_I22S-03, STI_I22S-04, STI_I22S-05, STI_I22S-06, STI_I22S-07, STI_I22S-08, STI_I22S-09, STI_I22S-10
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Name	GeneProof MH/UU/UP Multiplex PCR Kit - croBEE (v2)
Description	
Targets	<div>B Ureaplasma parvum</div> <div>B Ureaplasma urealyticum</div> <div>B Mycoplasma hominis</div>
Assays	<div>  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 Nucleic Acid Extraction 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 MH/UU/UP Multiplex PCR Kit</i> Kit Version: <i>GP</i> </div>


Used to test samples:	STI_I22S-01, STI_I22S-02, STI_I22S-03, STI_I22S-04, STI_I22S-05, STI_I22S-06, STI_I22S-07, STI_I22S-08, STI_I22S-09, STI_I22S-10
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Name	Mycoplasma genitalium/hominis PCR Kit-croBEE (v3)
Description	
Targets	<div>B Mycoplasma genitalium</div> <div>B Mycoplasma hominis</div>

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Assays	 <i>Extraction</i> - 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 Nucleic Acid Extraction Kit</i>
	 <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>Mycoplasma genitalium/hominis PCR Kit</i> Kit Version: <i>GP</i>

Used to test samples:	STI_I22S-01, STI_I22S-02, STI_I22S-03, STI_I22S-04, STI_I22S-05, STI_I22S-06, STI_I22S-07, STI_I22S-08, STI_I22S-09, STI_I22S-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_I22S-06	Positive	Gardnerella vaginalis and Trichomonas vaginalis	No	Positive	Gardnerella vaginalis	Educational	Detected	-
STI_I22S-07	Positive	Trichomonas vaginalis	No	Negative		Educational	Detected	-
STI_I22S-09	Positive	Mycoplasma hominis	Yes	Positive	Mycoplasma hominis	Educational	Infrequently Detected	0
STI_I22S-10	Positive	Gardnerella vaginalis	Yes	Positive	Gardnerella vaginalis	Educational	Detected	0

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[2] **Expected Result:** positive / negative result and the specific pathogen present within each panel member.

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[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.

Further Programme Details

Number of Participants	102
Number of Countries	38
Number of Respondents	91
Number of Datasets Submitted	108

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Comments

Sample STI_I22S-09 also contains *Chlamydia trachomatis* 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 aim of the Sexually Transmitted Infections I (STI_I) EQA is to assess the laboratories' ability to detect a range of sexually transmitted infections known to cause disease using their routine molecular diagnostic platform and procedures.

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.

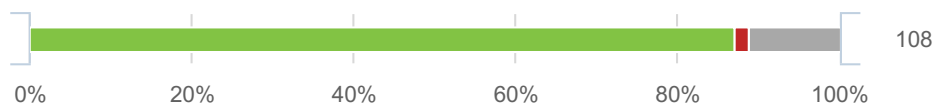
A breakdown of qualitative results reported for all workflows used by participants on each of the panel members within this EQA challenge / distribution is provided below. Note: participants may use multiple workflows for each sample.

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_I22S-01	Trichomonas vaginalis	Transport Medium	DS1_1	Trichomonas vaginalis	87	94	1.9	2	11.1	12

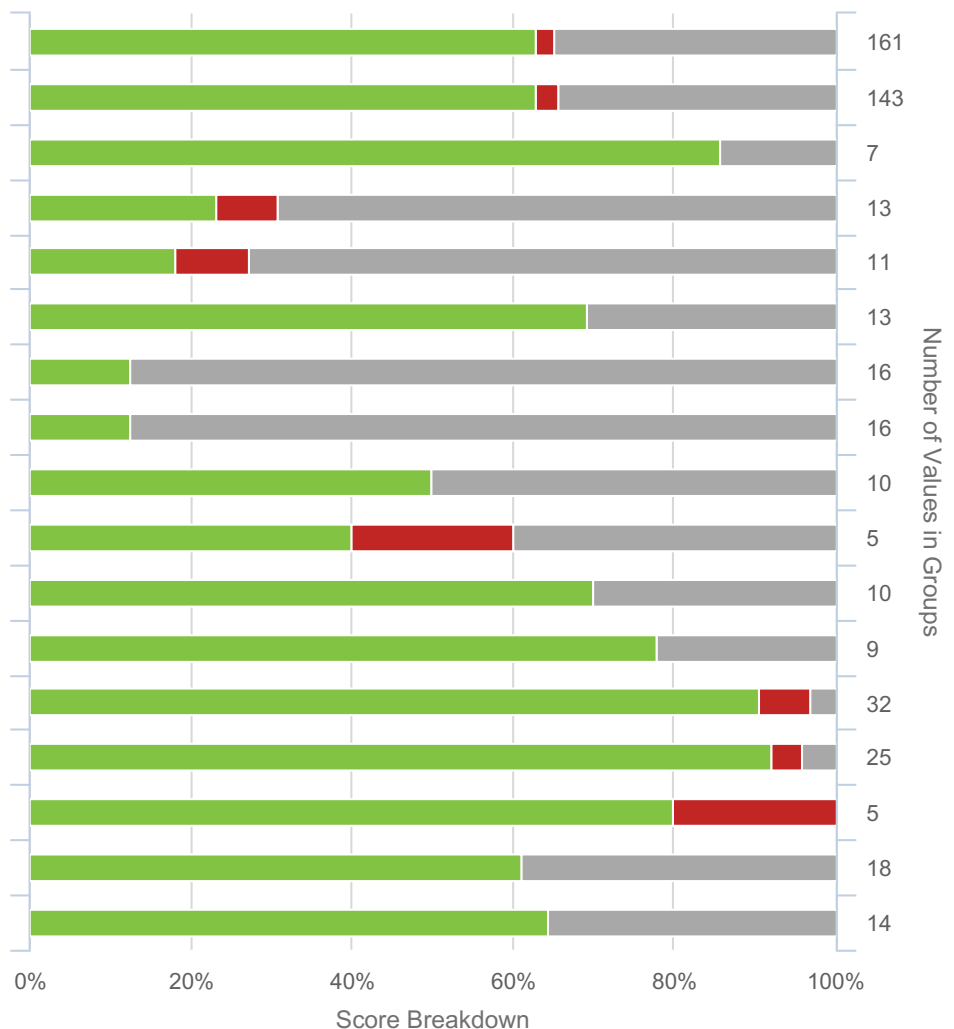
Final laboratory result (All)




All

Commercial

- Abbott
- AmpliSens
 - Amplisens Real Time PCR
- Certest
- GeneProof
 - GeneProof Real Time PCR kit
- Hologic
- Master Diagnostica
- Roche
 - Roche Cobas 6800/8800
- Seegene
 - Seegene Allplex
 - Seegene Anyplex
- In-House
 - Real-time In-House PCR




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

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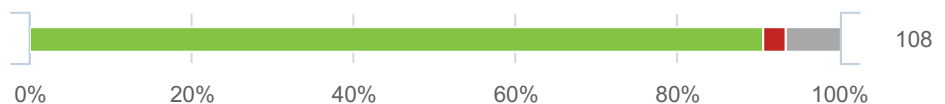
Groups below n=5: AB Analitica (n=2), AB Analitica - AB Analitica REALQUALITY RQ (n=2), Alkor Bio (n=1), Alkor Bio - Alkor Bio Real Time PCR (n=1), AmpliSens - AmpliSens Real Time PCR (n=2), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), AusDiagnostics (n=4), AusDiagnostics - AusDiagnostics TandemPlex (n=4), BD Molecular Diagnostics (n=4), BD Molecular Diagnostics - BD MAX (n=4), Bio-Rad (n=1), Bio-Rad - Bio-Rad Dx (n=1), ELITech Group (n=2), ELITech Group - Elitech Elite Real Time kit (n=2), PIIM AmpliGnost (n=1), PIIM AmpliGnost - PIIM AmpliGnost Real-Time PCR (n=1), PathoFinder (n=2), PathoFinder - PathoFinder Real Time PCR (n=2), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesig (n=1), QIAGEN (n=2), QIAGEN - Qiagen NeuMoDx (n=2), R-Biopharm (n=3), R-Biopharm - R-Biopharm RIDA Gene (n=3), Roche - Roche LightCycler (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Seegene - Seegene Anyplex II (n=1), Seegene - Seegene Seeplex (n=1), Speedx (n=2), Speedx - Speedx Real Time PCR (n=2), TIB MOLBIOL (n=2), TIB MOLBIOL - TIB-MolBiol LightMix (n=2), Vitassay (n=3), Vitassay - Vitassay Real-Time PCR (n=3), fast-track DIAGNOSTICS (n=3), fast-track DIAGNOSTICS - FTD real time PCR (n=3), savyonDIAGNOSTICS (n=1), savyonDIAGNOSTICS - savyonDIAGNOSTICS PCR (n=1), In-House - Conventional In-House PCR (n=4)

Groups Rolled Up: Abbott - Abbott Alinity m (n=7), Certest - Cepheid Xpert kit (n=13), Hologic - Hologic Aptima (n=10), Master Diagnostica - Master Diagnostica Flow Chip (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)
STI_I22S-02	Mycoplasma genitalium (drug resistant)	Transport Medium	-	Mycoplasma genitalium	90.7	98	2.8	3	6.5	7

● Final laboratory result (All)



● All

► Commercial

■ Abbott

■ AmpliSens

● Amplisens Real Time PCR

■ Certest

■ GeneProof

● GeneProof Real Time PCR kit

■ Hologic

■ Master Diagnostica

■ Roche

● Roche Cobas 6800/8800

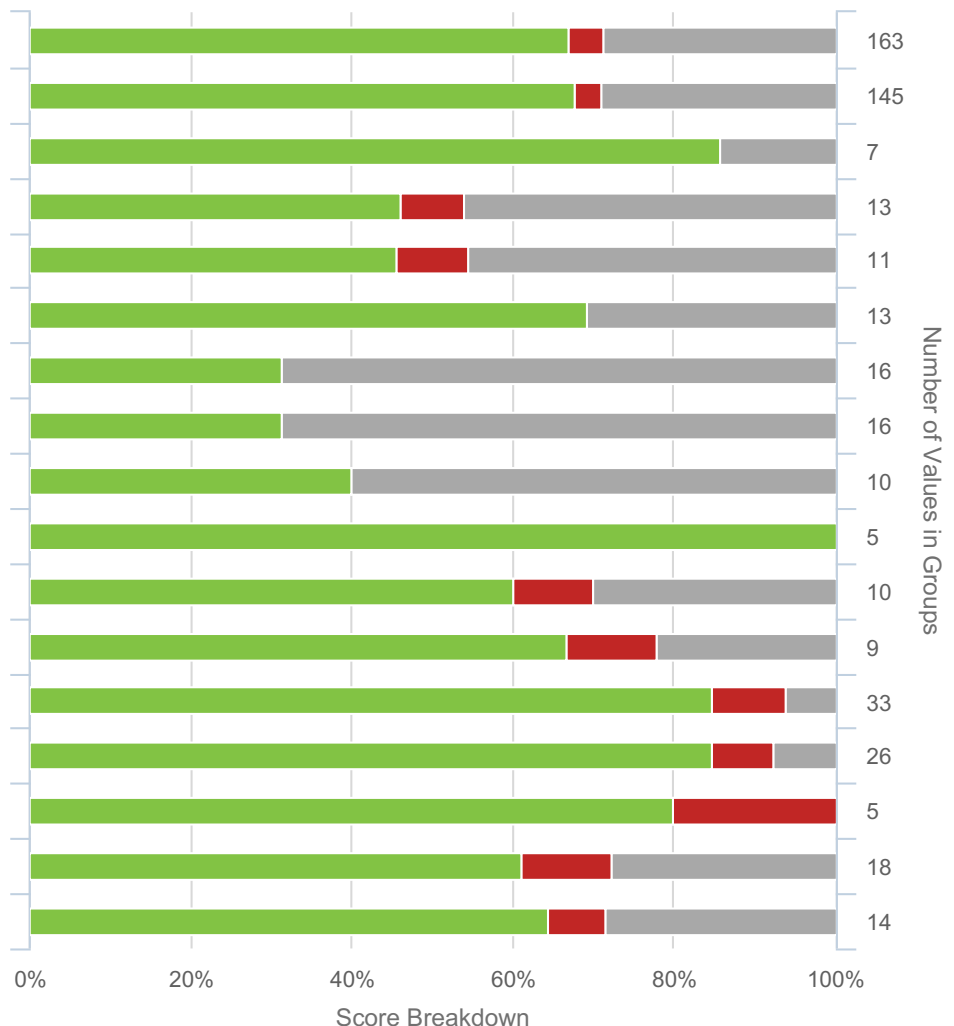
■ Seegene

● Seegene Allplex


● Seegene Anyplex

► In-House

● Real-time In-House PCR




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

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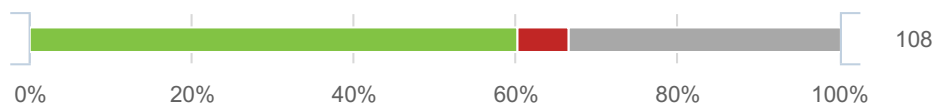
Groups below n=5: AB Analitica (n=2), AB Analitica - AB Analitica REALQUALITY RQ (n=2), Alkor Bio (n=1), Alkor Bio - Alkor Bio Real Time PCR (n=1), AmpliSens - AmpliSens Real Time PCR (n=2), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), AusDiagnostics (n=4), AusDiagnostics - AusDiagnostics TandemPlex (n=4), BD Molecular Diagnostics (n=4), BD Molecular Diagnostics - BD MAX (n=4), Bio-Rad (n=1), Bio-Rad - Bio-Rad Dx (n=1), ELITech Group (n=2), ELITech Group - Elitech Elite Real Time kit (n=2), PIIM AmpliGnost (n=1), PIIM AmpliGnost - PIIM AmpliGnost Real-Time PCR (n=1), PathoFinder (n=2), PathoFinder - PathoFinder Real Time PCR (n=2), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesig (n=1), QIAGEN (n=2), QIAGEN - Qiagen NeuMoDx (n=2), R-Biopharm (n=3), R-Biopharm - R-Biopharm RIDA Gene (n=3), Roche - Roche LightCycler (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Seegene - Seegene Anyplex II (n=1), Seegene - Seegene Seeplex (n=1), Speedx (n=3), Speedx - Speedx Real Time PCR (n=3), TIB MOLBIOL (n=2), TIB MOLBIOL - TIB-MolBiol LightMix (n=2), Vitassay (n=3), Vitassay - Vitassay Real-Time PCR (n=3), fast-track DIAGNOSTICS (n=3), fast-track DIAGNOSTICS - FTD real time PCR (n=3), savyonDIAGNOSTICS (n=1), savyonDIAGNOSTICS - savyonDIAGNOSTICS PCR (n=1), In-House - Conventional In-House PCR (n=4)

Groups Rolled Up: Abbott - Abbott Alinity m (n=7), Certest - Cepheid Xpert kit (n=13), Hologic - Hologic Aptima (n=10), Master Diagnostica - Master Diagnostica Flow Chip (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)
STI_I22S-03	Mycoplasma hominis	Transport Medium	-	Mycoplasma hominis	60.2	65	6.5	7	33.3	36

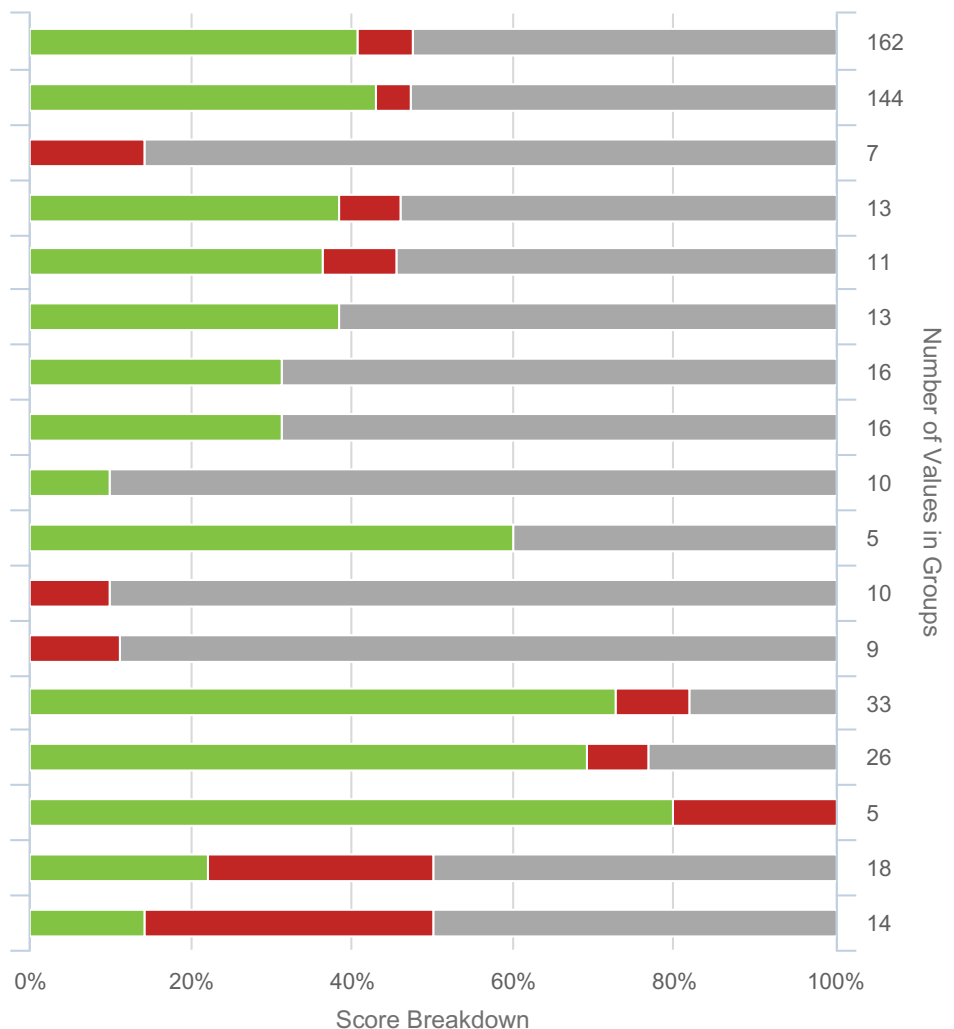
Final laboratory result (All)




All

Commercial

- Abbott
- AmpliSens
 - Amplisens Real Time PCR
- Certest
- GeneProof
 - GeneProof Real Time PCR kit
- Hologic
- Master Diagnostica
- Roche
 - Roche Cobas 6800/8800
- Seegene
 - Seegene Allplex
 - Seegene Anyplex
- In-House
 - Real-time In-House PCR




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

Individual Report	QCMD 2022 Sexually Transmitted Infections I EQA Programme					
Catalogue Code: QAB154177	Ref Code: STI_I22	Challenge: S	Analysis Type: Multiple Pathogen Qualitative	Dataset: 598008	Report UID: 2677/60003/5012	Laboratory CZ023

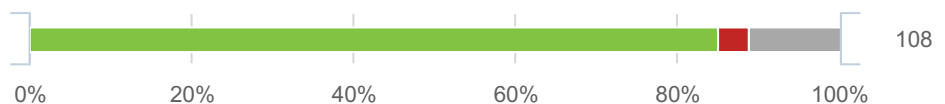
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Groups Rolled Up: Abbott - Abbott Alinity m (n=7), Certest - Cepheid Xpert kit (n=13), Hologic - Hologic Aptima (n=10), Master Diagnostica - Master Diagnostica Flow Chip (n=5)

Individual Report		QCMD 2022 Sexually Transmitted Infections I EQA Programme					
Catalogue Code: QAB154177	Ref Code: STI_I22	Challenge: S	Analysis Type: Multiple Pathogen Qualitative	Dataset: 598008	Report UID: 2677/60003/5012	Laboratory CZ023	

Sample Code	Sample Content	Matrix	Sample Relationships	Expected targets	Detected / Determined		Not Detected / Not Determined		Not Tested	
					(%)	(n)	(%)	(n)	(%)	(n)
STI_I22S-04	Trichomonas vaginalis	Transport Medium	DS1_2	Trichomonas vaginalis	85.2	92	3.7	4	11.1	12

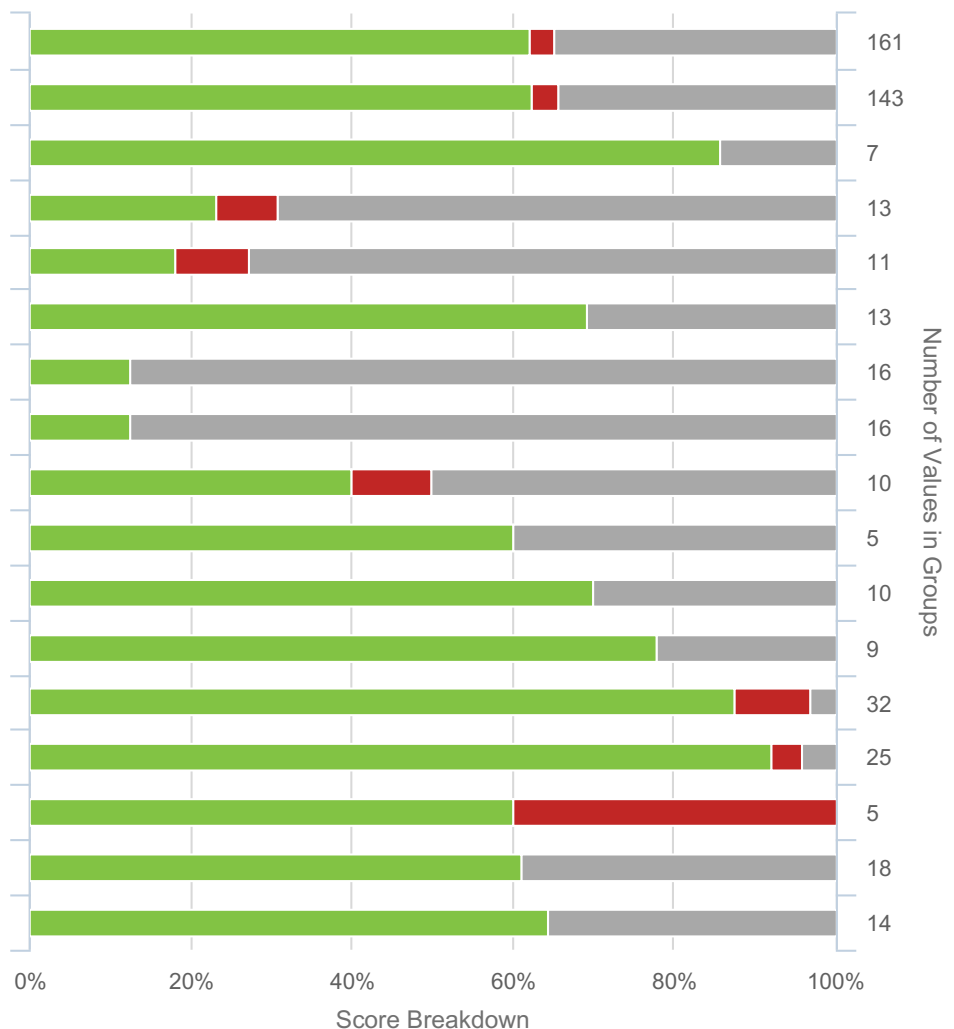
● Final laboratory result (All)




● All

► Commercial

- Abbott
- AmpliSens
 - Amplisens Real Time PCR
- Certest
- GeneProof
 - GeneProof Real Time PCR kit
- Hologic
- Master Diagnostica
- Roche
 - Roche Cobas 6800/8800
- Seegene
 - Seegene Allplex
 - Seegene Anyplex
- In-House
 - Real-time In-House PCR




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

Individual Report	QCMD 2022 Sexually Transmitted Infections I EQA Programme					
Catalogue Code: QAB154177	Ref Code: STI_I22	Challenge: S	Analysis Type: Multiple Pathogen Qualitative	Dataset: 598008	Report UID: 2677/60003/5012	Laboratory CZ023

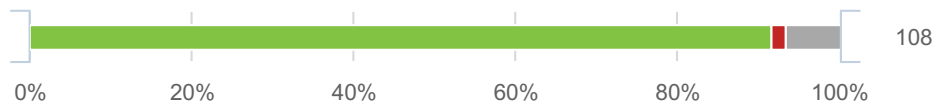
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Groups Rolled Up: Abbott - Abbott Alinity m (n=7), Certest - Cepheid Xpert kit (n=13), Hologic - Hologic Aptima (n=10), Master Diagnostica - Master Diagnostica Flow Chip (n=5)

Individual Report		QCMD 2022 Sexually Transmitted Infections I EQA Programme					
Catalogue Code: QAB154177	Ref Code: STI_I22	Challenge: S	Analysis Type: Multiple Pathogen Qualitative	Dataset: 598008	Report UID: 2677/60003/5012	Laboratory CZ023	

Sample Code	Sample Content	Matrix	Sample Relationships	Expected targets	Detected / Determined		Not Detected / Not Determined		Not Tested	
					(%)	(n)	(%)	(n)	(%)	(n)
STI_I22S-05	Mycoplasma genitalium (wild type)	Transport Medium	-	Mycoplasma genitalium	91.7	99	1.9	2	6.5	7

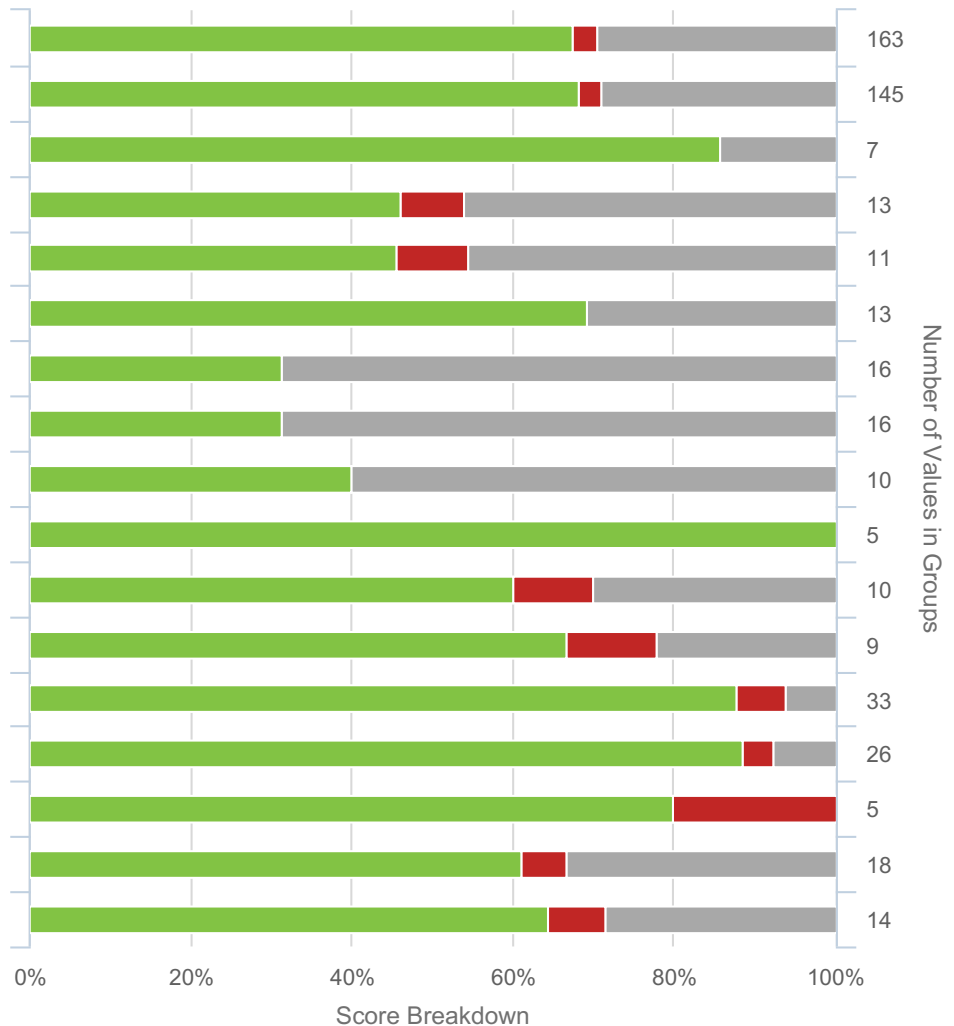
Final laboratory result (All)




All

Commercial

- Abbott
- AmpliSens
 - Amplisens Real Time PCR
- Certest
- GeneProof
 - GeneProof Real Time PCR kit
- Hologic
- Master Diagnostica
- Roche
 - Roche Cobas 6800/8800
- Seegene
 - Seegene Allplex
 - Seegene Anyplex
- In-House
 - Real-time In-House PCR




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

Individual Report		QCMD 2022 Sexually Transmitted Infections I EQA Programme			 QCMD <small>Quality Control for Molecular Diagnostics</small>	
Catalogue Code: QAB154177	Ref Code: STI_I22	Challenge: S	Analysis Type: Multiple Pathogen Qualitative	Dataset: 598008	Report UID: 2677/60003/5012	Laboratory CZ023

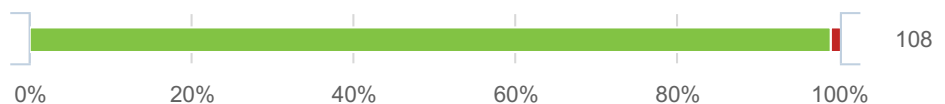
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Groups Rolled Up: Abbott - Abbott Alinity m (n=7), Certest - Cepheid Xpert kit (n=13), Hologic - Hologic Aptima (n=10), Master Diagnostica - Master Diagnostica Flow Chip (n=5)

Individual Report		QCMD 2022 Sexually Transmitted Infections I EQA Programme					
Catalogue Code: QAB154177	Ref Code: STI_I22	Challenge: S	Analysis Type: Multiple Pathogen Qualitative	Dataset: 598008	Report UID: 2677/60003/5012	Laboratory CZ023	

Sample Code	Sample Content	Matrix	Sample Relationships	Expected targets	Detected / Determined		Not Detected / Not Determined		Not Tested	
					(%)	(n)	(%)	(n)	(%)	(n)
STI_I22S-08	Negative	Transport Medium	-		99.1	107	0.9	1	N/A	0

● Final laboratory result (All)



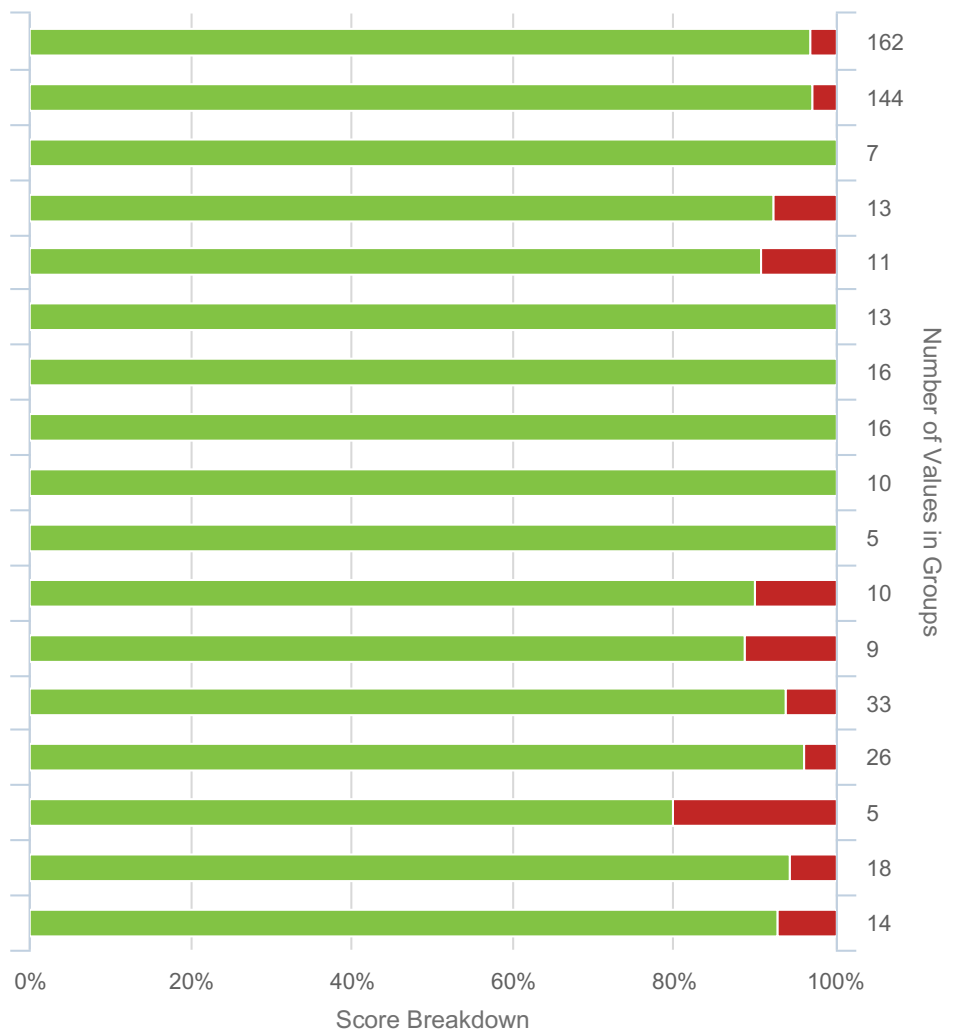
● All

► Commercial


- Abbott
- AmpliSens
 - Amplisens Real Time PCR
- Certest
- GeneProof
 - GeneProof Real Time PCR kit
- Hologic
- Master Diagnostica
- Roche
 - Roche Cobas 6800/8800
- Seegene
 - Seegene Allplex
 - Seegene Anyplex

► In-House

- Real-time In-House PCR



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

Individual Report		QCMD 2022 Sexually Transmitted Infections I EQA Programme			 QCMD <small>Quality Control for Molecular Diagnostics</small>	
Catalogue Code: QAB154177	Ref Code: STI_I22	Challenge: S	Analysis Type: Multiple Pathogen Qualitative	Dataset: 598008	Report UID: 2677/60003/5012	Laboratory CZ023

Groups below n=5: AB Analitica (n=2), AB Analitica - AB Analitica REALQUALITY RQ (n=2), Alkor Bio (n=1), Alkor Bio - Alkor Bio Real Time PCR (n=1), AmpliSens - AmpliSens Real Time PCR (n=2), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), AusDiagnostics (n=4), AusDiagnostics - AusDiagnostics TandemPlex (n=4), BD Molecular Diagnostics (n=4), BD Molecular Diagnostics - BD MAX (n=4), Bio-Rad (n=1), Bio-Rad - Bio-Rad Dx (n=1), ELITech Group (n=2), ELITech Group - Elitech Elite Real Time kit (n=2), PIIM AmpliGnost (n=1), PIIM AmpliGnost - PIIM AmpliGnost Real-Time PCR (n=1), PathoFinder (n=2), PathoFinder - PathoFinder Real Time PCR (n=2), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesig (n=1), QIAGEN (n=2), QIAGEN - Qiagen NeuMoDx (n=2), R-Biopharm (n=3), R-Biopharm - R-Biopharm RIDA Gene (n=3), Roche - Roche LightCycler (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Seegene - Seegene Anyplex II (n=1), Seegene - Seegene Seeplex (n=1), Speedx (n=2), Speedx - Speedx Real Time PCR (n=2), TIB MOLBIOL (n=2), TIB MOLBIOL - TIB-MolBiol LightMix (n=2), Vitassay (n=3), Vitassay - Vitassay Real-Time PCR (n=3), fast-track DIAGNOSTICS (n=3), fast-track DIAGNOSTICS - FTD real time PCR (n=3), savyonDIAGNOSTICS (n=1), savyonDIAGNOSTICS - savyonDIAGNOSTICS PCR (n=1), In-House - Conventional In-House PCR (n=4)

Groups Rolled Up: Abbott - Abbott Alinity m (n=7), Certest - Cepheid Xpert kit (n=13), Hologic - Hologic Aptima (n=10), Master Diagnostica - Master Diagnostica Flow Chip (n=5)


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.

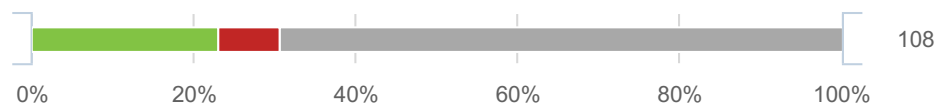
A breakdown of qualitative results reported for all workflows used by participants on each of the panel members within this EQA challenge / distribution is provided below. Note: participants may use multiple workflows for each sample.

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 I EQA Programme				 Quality Control for Molecular Diagnostics	
Catalogue Code: QAB154177	Ref Code: STI_I22	Challenge: S	Analysis Type: Multiple Pathogen Qualitative	Dataset: 598008	Report UID: 2677/60003/5012	Laboratory CZ023	

Sample Code	Sample Content	Matrix	Sample Relationships	Expected targets	Detected / Determined		Not Detected / Not Determined		Not Tested	
					(%)	(n)	(%)	(n)	(%)	(n)
STI_I22S-06	Gardnerella vaginalis & Trichomonas vaginalis	Transport Medium	-	Gardnerella vaginalis and Trichomonas vaginalis	23.1	25	7.4	8	69.4	75

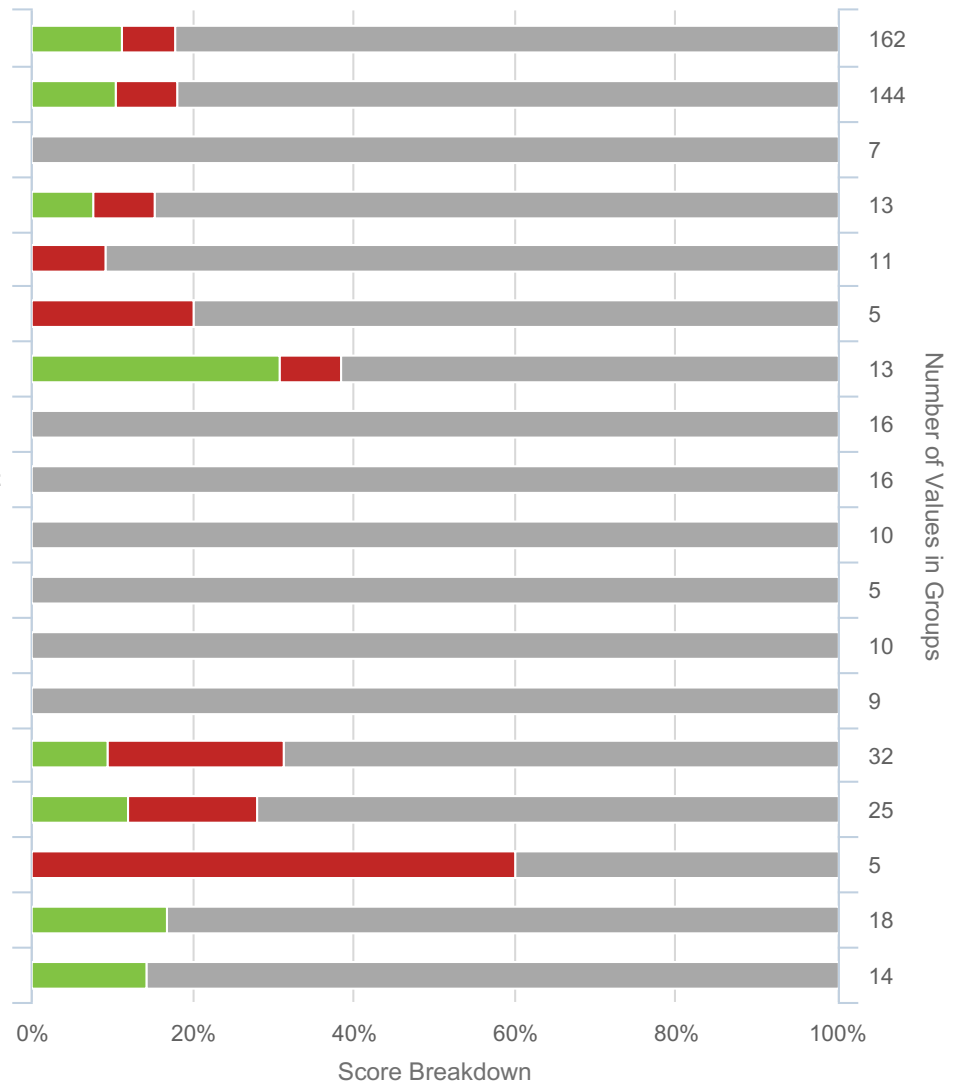
Final laboratory result (All)




All

Commercial

- Abbott
- AmpliSens
 - Amplisens Real Time PCR
- BD Molecular Diagnostics
- Certest
- GeneProof
 - GeneProof Real Time PCR kit
- Hologic
- Master Diagnostica
- Roche
 - Roche Cobas 6800/8800
- Seegene
 - Seegene Allplex
 - Seegene Anyplex
- In-House
 - Real-time In-House PCR




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

Individual Report	QCMD 2022 Sexually Transmitted Infections I EQA Programme					
Catalogue Code: QAB154177	Ref Code: STI_I22	Challenge: S	Analysis Type: Multiple Pathogen Qualitative	Dataset: 598008	Report UID: 2677/60003/5012	Laboratory CZ023

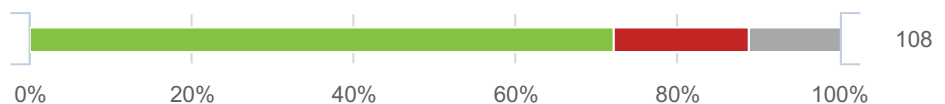
Groups below n=5: AB Analitica (n=2), AB Analitica - AB Analitica REALQUALITY RQ (n=2), Alkor Bio (n=1), Alkor Bio - Alkor Bio Real Time PCR (n=1), AmpliSens - AmpliSens Real Time PCR (n=2), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), AusDiagnostics (n=4), AusDiagnostics - AusDiagnostics TandemPlex (n=4), Bio-Rad (n=1), Bio-Rad - Bio-Rad Dx (n=1), ELITech Group (n=2), ELITech Group - Elitech Elite Real Time kit (n=2), PIIM AmpliGnost (n=1), PIIM AmpliGnost - PIIM AmpliGnost Real-Time PCR (n=1), PathoFinder (n=2), PathoFinder - PathoFinder Real Time PCR (n=2), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesig (n=1), QIAGEN (n=2), QIAGEN - Qiagen NeuMoDx (n=2), R-Biopharm (n=3), R-Biopharm - R-Biopharm RIDA Gene (n=3), Roche - Roche LightCycler (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Seegene - Seegene Anyplex II (n=1), Seegene - Seegene Seeplex (n=1), Speedx (n=2), Speedx - Speedx Real Time PCR (n=2), TIB MOLBIOL (n=2), TIB MOLBIOL - TIB-MolBiol LightMix (n=2), Vitassay (n=3), Vitassay - Vitassay Real-Time PCR (n=3), fast-track DIAGNOSTICS (n=3), fast-track DIAGNOSTICS - FTD real time PCR (n=3), savyonDIAGNOSTICS (n=1), savyonDIAGNOSTICS - savyonDIAGNOSTICS PCR (n=1), In-House - Conventional In-House PCR (n=4)

Groups Rolled Up: Abbott - Abbott Alinity m (n=7), BD Molecular Diagnostics - BD MAX (n=5), Certest - Cepheid Xpert kit (n=13), Hologic - Hologic Aptima (n=10), Master Diagnostica - Master Diagnostica Flow Chip (n=5)

Individual Report		QCMD 2022 Sexually Transmitted Infections I EQA Programme					
Catalogue Code: QAB154177	Ref Code: STI_I22	Challenge: S	Analysis Type: Multiple Pathogen Qualitative	Dataset: 598008	Report UID: 2677/60003/5012	Laboratory CZ023	

Sample Code	Sample Content	Matrix	Sample Relationships	Expected targets	Detected / Determined		Not Detected / Not Determined		Not Tested	
					(%)	(n)	(%)	(n)	(%)	(n)
STI_I22S-07	Trichomonas vaginalis	Transport Medium	DS1_3	Trichomonas vaginalis	72.2	78	16.7	18	11.1	12

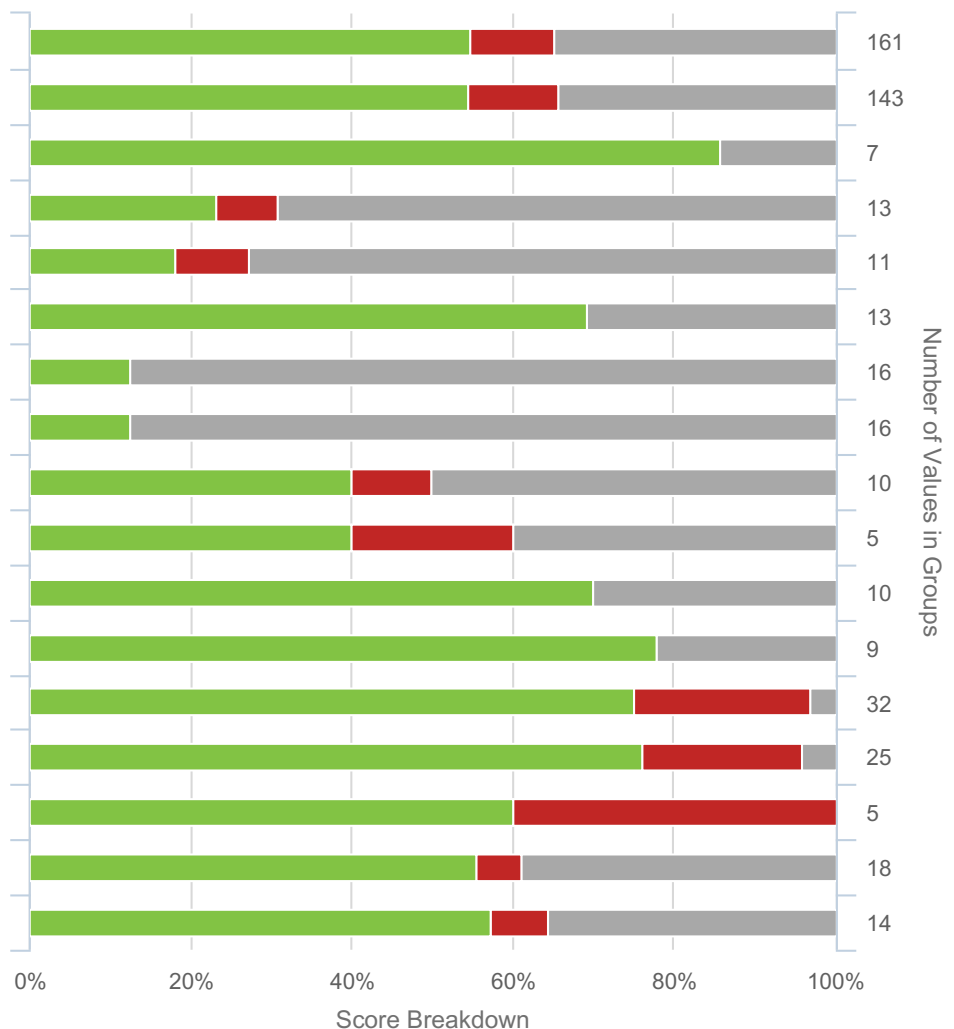
● Final laboratory result (All)




● All

► Commercial

- Abbott
- AmpliSens
 - Amplisens Real Time PCR
- Certest
- GeneProof
 - GeneProof Real Time PCR kit
- Hologic
- Master Diagnostica
- Roche
 - Roche Cobas 6800/8800
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 - Seegene Allplex
 - Seegene Anyplex
- In-House
 - Real-time In-House PCR




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

Individual Report	QCMD 2022 Sexually Transmitted Infections I EQA Programme					
Catalogue Code: QAB154177	Ref Code: STI_I22	Challenge: S	Analysis Type: Multiple Pathogen Qualitative	Dataset: 598008	Report UID: 2677/60003/5012	Laboratory CZ023

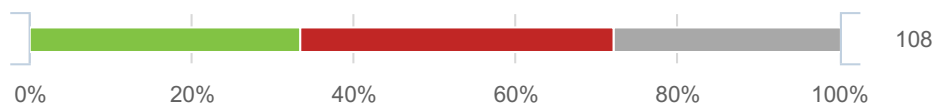
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Groups Rolled Up: Abbott - Abbott Alinity m (n=7), Certest - Cepheid Xpert kit (n=13), Hologic - Hologic Aptima (n=10), Master Diagnostica - Master Diagnostica Flow Chip (n=5)

Individual Report		QCMD 2022 Sexually Transmitted Infections I EQA Programme					
Catalogue Code: QAB154177	Ref Code: STI_I22	Challenge: S	Analysis Type: Multiple Pathogen Qualitative	Dataset: 598008	Report UID: 2677/60003/5012	Laboratory CZ023	

Sample Code	Sample Content	Matrix	Sample Relationships	Expected targets	Detected / Determined		Not Detected / Not Determined		Not Tested	
					(%)	(n)	(%)	(n)	(%)	(n)
STI_I22S-09	Mycoplasma hominis	Transport Medium	-	Mycoplasma hominis	33.3	36	38.9	42	27.8	30

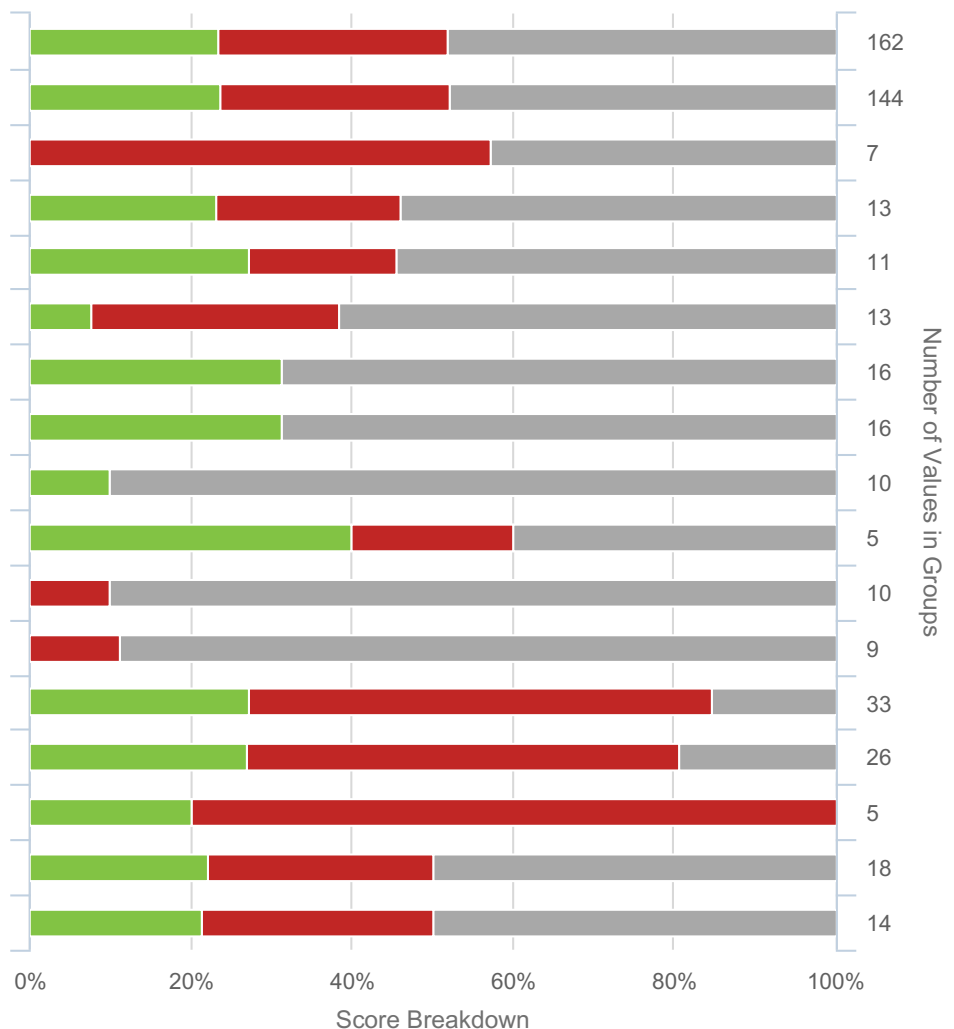
Final laboratory result (All)




All

Commercial

- Abbott
- AmpliSens
 - Amplisens Real Time PCR
- Certest
- GeneProof
 - GeneProof Real Time PCR kit
- Hologic
- Master Diagnostica
- Roche
 - Roche Cobas 6800/8800
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 - Seegene Allplex
 - Seegene Anyplex
- In-House
 - Real-time In-House PCR




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

Individual Report		QCMD 2022 Sexually Transmitted Infections I EQA Programme			 QCMD <small>Quality Control for Molecular Diagnostics</small>	
Catalogue Code: QAB154177	Ref Code: STI_I22	Challenge: S	Analysis Type: Multiple Pathogen Qualitative	Dataset: 598008	Report UID: 2677/60003/5012	Laboratory CZ023

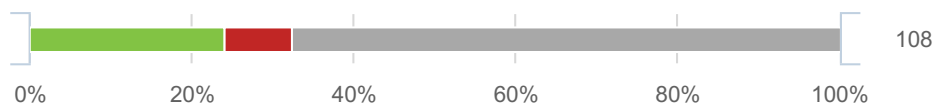
Groups below n=5: AB Analitica (n=2), AB Analitica - AB Analitica REALQUALITY RQ (n=2), Alkor Bio (n=1), Alkor Bio - Alkor Bio Real Time PCR (n=1), AmpliSens - AmpliSens Real Time PCR (n=2), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), AusDiagnostics (n=4), AusDiagnostics - AusDiagnostics TandemPlex (n=4), BD Molecular Diagnostics (n=4), BD Molecular Diagnostics - BD MAX (n=4), Bio-Rad (n=1), Bio-Rad - Bio-Rad Dx (n=1), ELITech Group (n=2), ELITech Group - Elitech Elite Real Time kit (n=2), PIIM AmpliGnost (n=1), PIIM AmpliGnost - PIIM AmpliGnost Real-Time PCR (n=1), PathoFinder (n=2), PathoFinder - PathoFinder Real Time PCR (n=2), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesig (n=1), QIAGEN (n=2), QIAGEN - Qiagen NeuMoDx (n=2), R-Biopharm (n=3), R-Biopharm - R-Biopharm RIDA Gene (n=3), Roche - Roche LightCycler (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Seegene - Seegene Anyplex II (n=1), Seegene - Seegene Seeplex (n=1), Speedx (n=2), Speedx - Speedx Real Time PCR (n=2), TIB MOLBIOL (n=2), TIB MOLBIOL - TIB-MolBiol LightMix (n=2), Vitassay (n=3), Vitassay - Vitassay Real-Time PCR (n=3), fast-track DIAGNOSTICS (n=3), fast-track DIAGNOSTICS - FTD real time PCR (n=3), savyonDIAGNOSTICS (n=1), savyonDIAGNOSTICS - savyonDIAGNOSTICS PCR (n=1), In-House - Conventional In-House PCR (n=4)

Groups Rolled Up: Abbott - Abbott Alinity m (n=7), Certest - Cepheid Xpert kit (n=13), Hologic - Hologic Aptima (n=10), Master Diagnostica - Master Diagnostica Flow Chip (n=5)

Individual Report		QCMD 2022 Sexually Transmitted Infections I EQA Programme					
Catalogue Code: QAB154177	Ref Code: STI_I22	Challenge: S	Analysis Type: Multiple Pathogen Qualitative	Dataset: 598008	Report UID: 2677/60003/5012	Laboratory CZ023	

Sample Code	Sample Content	Matrix	Sample Relationships	Expected targets	Detected / Determined		Not Detected / Not Determined		Not Tested	
					(%)	(n)	(%)	(n)	(%)	(n)
STI_I22S-10	Gardnerella vaginalis	Transport Medium	-	Gardnerella vaginalis	24.1	26	8.3	9	67.6	73

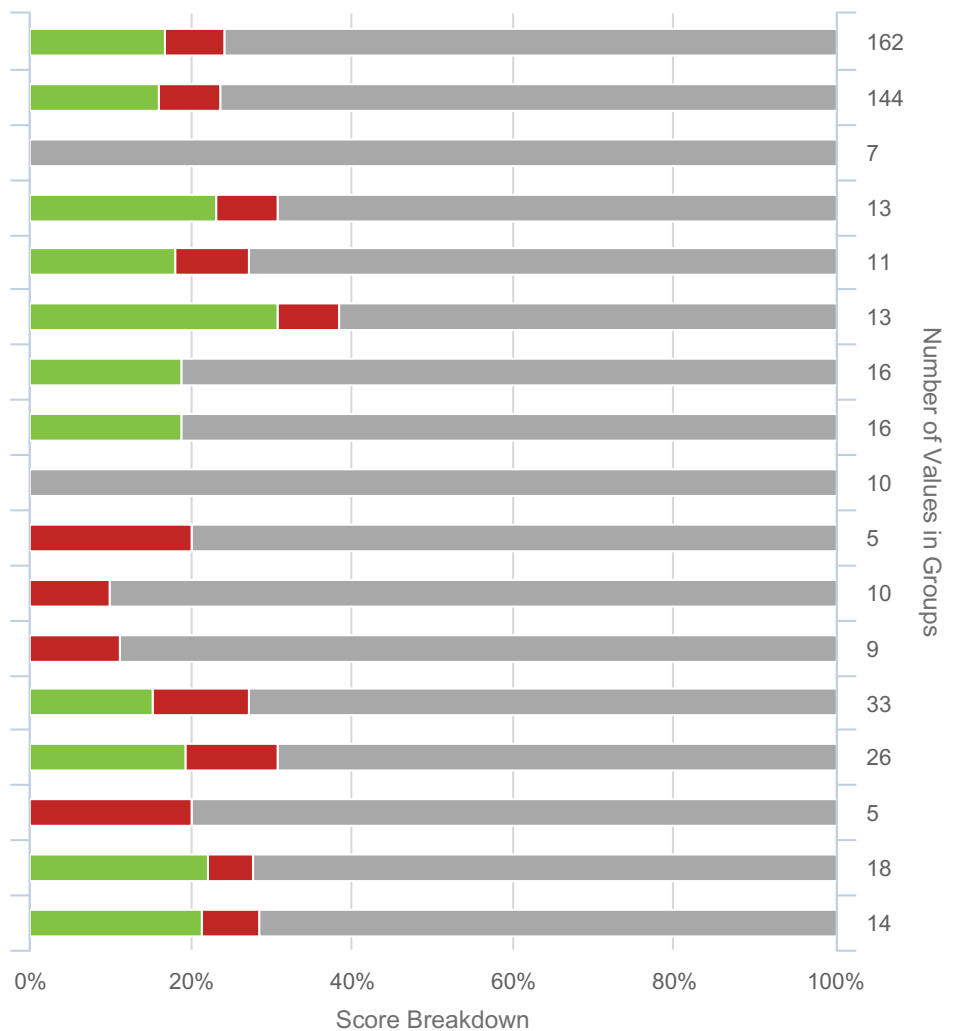
Final laboratory result (All)




All

Commercial

- Abbott
- AmpliSens
 - Amplisens Real Time PCR
- Certest
- GeneProof
 - GeneProof Real Time PCR kit
- Hologic
- Master Diagnostica
- Roche
 - Roche Cobas 6800/8800
- Seegene
 - Seegene Allplex
 - Seegene Anyplex
- In-House
 - Real-time In-House PCR



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

Individual Report	QCMD 2022 Sexually Transmitted Infections I EQA Programme					
Catalogue Code: QAB154177	Ref Code: STI_I22	Challenge: S	Analysis Type: Multiple Pathogen Qualitative	Dataset: 598008	Report UID: 2677/60003/5012	Laboratory CZ023

Groups below n=5: AB Analitica (n=2), AB Analitica - AB Analitica REALQUALITY RQ (n=2), Alkor Bio (n=1), Alkor Bio - Alkor Bio Real Time PCR (n=1), AmpliSens - AmpliSens Real Time PCR (n=2), Anatolia Geneworks (n=2), Anatolia Geneworks - Anatolia Geneworks Bosphore (n=2), AusDiagnostics (n=4), AusDiagnostics - AusDiagnostics TandemPlex (n=4), BD Molecular Diagnostics (n=4), BD Molecular Diagnostics - BD MAX (n=4), Bio-Rad (n=1), Bio-Rad - Bio-Rad Dx (n=1), ELITech Group (n=2), ELITech Group - Elitech Elite Real Time kit (n=2), PIIM AmpliGnost (n=1), PIIM AmpliGnost - PIIM AmpliGnost Real-Time PCR (n=1), PathoFinder (n=2), PathoFinder - PathoFinder Real Time PCR (n=2), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesig (n=1), QIAGEN (n=2), QIAGEN - Qiagen NeuMoDx (n=2), R-Biopharm (n=3), R-Biopharm - R-Biopharm RIDA Gene (n=3), Roche - Roche LightCycler (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Seegene - Seegene Anyplex II (n=1), Seegene - Seegene Seeplex (n=1), Speedx (n=2), Speedx - Speedx Real Time PCR (n=2), TIB MOLBIOL (n=2), TIB MOLBIOL - TIB-MolBiol LightMix (n=2), Vitassay (n=3), Vitassay - Vitassay Real-Time PCR (n=3), fast-track DIAGNOSTICS (n=3), fast-track DIAGNOSTICS - FTD real time PCR (n=3), savyonDIAGNOSTICS (n=1), savyonDIAGNOSTICS - savyonDIAGNOSTICS PCR (n=1), In-House - Conventional In-House PCR (n=4)

Groups Rolled Up: Abbott - Abbott Alinity m (n=7), Certest - Cepheid Xpert kit (n=13), Hologic - Hologic Aptima (n=10), Master Diagnostica - Master Diagnostica Flow Chip (n=5)

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