

Individual Report

QCMD 2019 Mycobacterium tuberculosis DNA EQA Programme



Catalogue Code: QAB014129	Ref Code: MTBDNA19	Challenge: S	Analysis Type: Qualitative	Dataset: -	Report UID: -/-/2355	Laboratory: -
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NOTE: Summary information only.

Intended Results / Panel Composition

Sample Code	Sample Content	Matrix	Sample Relationships ^[1]	Detection Frequency ^[2]	Sample Status ^[3]	Percentage Correct (All) ^[4]	
						(%)	(n)
MTBDNA19S-01	Mycobacterium Negative	Synthetic CSF		Negative	CORE	98.4	125
MTBDNA19S-02	M. bovis (BCG)	Synthetic CSF	DS1_2	Frequently Detected	CORE	97.6	125
MTBDNA19S-03	M. bovis (BCG)	Synthetic CSF	DS1_3	Frequently Detected	EDUCATIONAL	96.0	125
MTBDNA19S-04	M. bovis (BCG)	Synthetic CSF	DS1_1	Frequently Detected	CORE	97.6	125
MTBDNA19S-05	M. tuberculosis (DR- RIF-R)	Synthetic CSF		Frequently Detected	CORE	98.4	125
MTBDNA19S-06	M. tuberculosis (DR- INH-R)	Synthetic Sputum		Frequently Detected	CORE	99.2	125
MTBDNA19S-07	M. bovis (BCG)	Synthetic Sputum	DS2_2	Frequently Detected	CORE	96.8	125
MTBDNA19S-08	M. bovis (BCG)	Synthetic Sputum	DS2_1	Frequently Detected	CORE	98.4	125
MTBDNA19S-09	M. xenopi	Synthetic Sputum		Negative	CORE	92.0	125

[1] Sample Relationships: Indicates the relationships of the samples within this challenge. The highest titre member of dilution series DS1 is indicated by DS1_1 and further members of the series as DS1_2, DS1_3 etc. in order of reducing titre. Additional dilution series are indicated by DS2 (e.g. DS2_1, DS2_2 etc.), DS3 (e.g. DS3_1, DS3_2 etc.). If one duplicate pair is present this is indicated by 'D1'. Further duplicate pairs are indicated by 'D2', 'D3' etc.

[2] Detection Frequency: To aid qualitative analysis each panel member is assigned a frequency of detection. This is based on the peer group consensus of all qualitative results returned from participants within the EQA challenge / distribution.

[3] Sample Status: EQA samples are defined as "CORE" or "EDUCATIONAL". Core proficiency samples are reviewed by the QCMD Scientific Expert(s). This is on the basis of scientific information, clinical relevance, current literature and, where appropriate, professional clinical guidelines. Participating laboratories are expected to report core proficiency samples correctly within the EQA challenge / distribution.

[4] Percentage Correct (All): Percentage of datasets (%) reporting the correct qualitative result and the total number of datasets (n) reported for each panel member.

For further details please refer to the current participant manual.

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Your Summary Results

EQA Assessment Group ^[1]	N/A
Core Panel Detection (Qualitative) Score ^[2]	N/A

Core Panel Members Results

Sample Code	Qualitative Results			Your Quantitative Data (for information only) ^[3]		
	Percentage Correct (All) ^[4]	Your Result ^[5]	Detection Score ^[6]	Reported Value	Unitage	Cycle Threshold
MTBDNA19S-01	98.4	-	-	-	-	-
MTBDNA19S-02	97.6	-	-	-	-	-
MTBDNA19S-04	97.6	-	-	-	-	-
MTBDNA19S-05	98.4	-	-	-	-	-
MTBDNA19S-06	99.2	-	-	-	-	-
MTBDNA19S-07	96.8	-	-	-	-	-
MTBDNA19S-08	98.4	-	-	-	-	-
MTBDNA19S-09	92.0	-	-	-	-	-

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

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


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

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

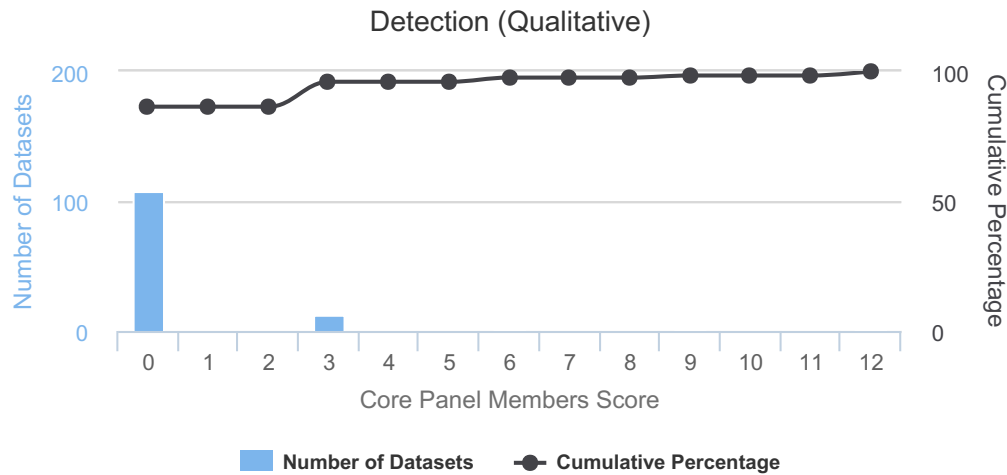
[5] **Your Result:** The qualitative result you reported for each sample within this EQA challenge / distribution.

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

For further details please refer to the current participant manual.

Individual Report	QCMD 2019 Mycobacterium tuberculosis DNA EQA Programme				 QCMD Quality Control for Molecular Diagnostics	
Catalogue Code: QAB014129	Ref Code: MTBDNA19	Challenge: S	Analysis Type: Qualitative	Dataset: -	Report UID: -/-/2355	Laboratory: -

Core Panel Member Score Breakdown



Core Panel Member Score Breakdown - Detection: This figure gives you a breakdown of the qualitative detection scores for all qualitative datasets returned within this EQA challenge / distribution independent of the EQA assessment group. Panel detection scores are generated from only those panel members that are defined as "CORE".

For further details please refer to the current participant manual.

Educational Panel Members Results

Sample Code	Qualitative Results			Your Quantitative Data (for information only) ^[1]		
	Percentage Correct (All) ^[2]	Your Result ^[3]	Detection Score ^[4]	Reported Value	Unitage	Cycle Threshold
MTBDNA19S-03	96.0	-	-	-	-	-


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

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

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

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

For further details please refer to the current participant manual.

Individual Report		QCMD 2019 Mycobacterium tuberculosis DNA EQA Programme			 QCMD <small>Quality Control for Molecular Diagnostics</small>	
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Further Programme Details

Number of Participants	120
Number of Countries	30
Number of Respondents	113
Number of Datasets Submitted	125
Qualitative Results Returned	125 (100.0%)


EQA Programme Aims

To assess the proficiency of laboratories in the molecular detection of *Mycobacterium tuberculosis*.

Feedback and Enquiries

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

Any queries about this report should be addressed to the QCMD Neutral Office (neutraloffice@qcmd.org).

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

Additional Core Samples Information

The following section has been categorised as shown below:


Core ► Qualitative

Individual Panel Member Analysis (Qualitative)

Qualitative analysis for each panel member is provided in relation to your EQA assessment group. EQA assessment groups are established using the molecular workflow information reported by all participants within this EQA challenge / distribution. The principal level of assessment is at the individual method level which is defined based on your reported “amplification/detection method” and other laboratories using the same or similar amplification/detection methods.

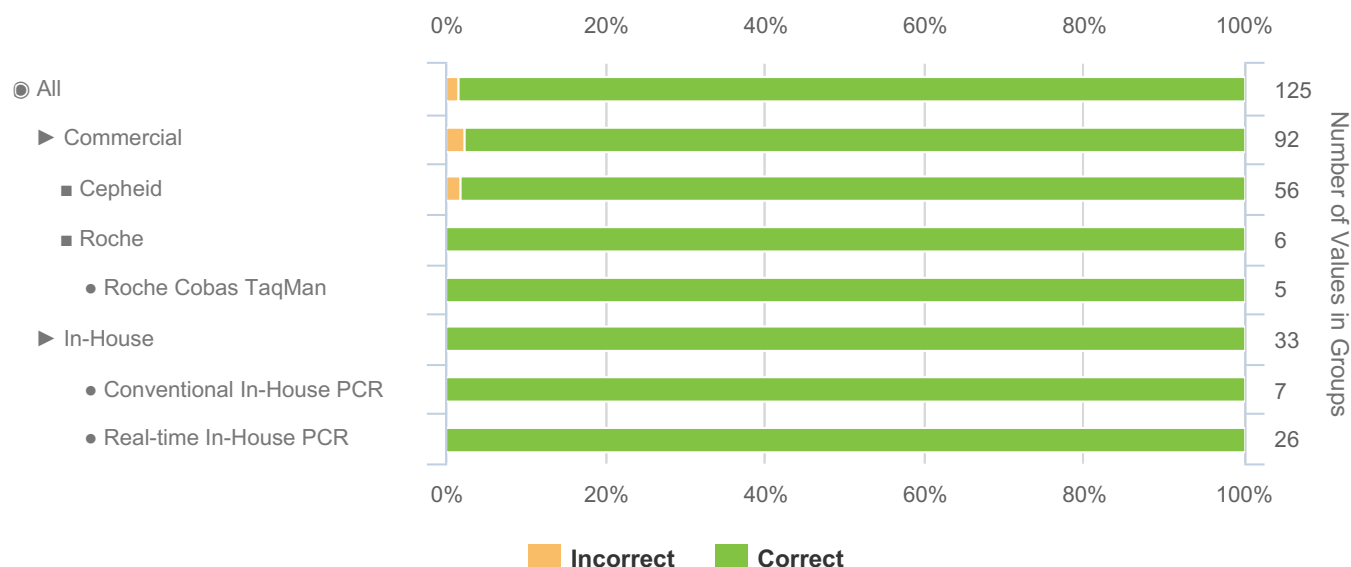
To allow meaningful assessment at the individual method level the EQA assessment group must consist of 5 or more datasets. If there are not sufficient datasets at the individual method level then your results will be included within a higher EQA assessment group based on whether it is a commercial or in house technology/method. The highest level assessment grouping is “All” participant reported qualitative results.

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

Individual Report	QCMD 2019 Mycobacterium tuberculosis DNA EQA Programme				 Quality Control for Molecular Diagnostics	
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MTBDNA19S-01 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
MTBDNA19S-01	Mycobacterium Negative	Synthetic CSF		Negative	CORE	98.4	125



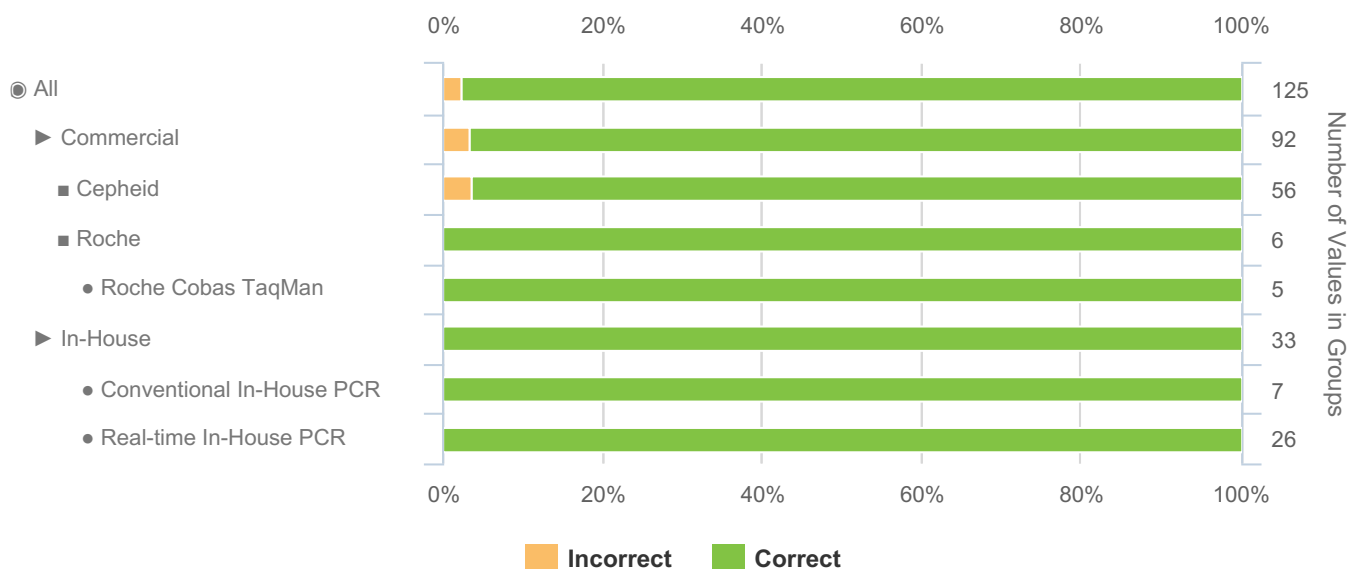
Groups below n=5: Abbott (n=1), Abbott - Abbott Real Time PCR (n=1), BD Molecular Diagnostics (n=1), BD Molecular Diagnostics - BD MAX (n=1), BIORON (n=1), BIORON - BIORON Realline (n=1), Biolegio (n=1), Biolegio - Biolegio ReadyMax (n=1), Bioneer (n=1), Bioneer - Bioneer Accupower (n=1), Certest (n=2), Certest - Certest Real time PCR (n=2), Clonit (n=1), Clonit - Clonit quantity kit (n=1), Diagenode (n=2), Diagenode - Diagenode Real Time kit (n=2), ELITech Group (n=3), ELITech Group - Elitech Elite Real Time kit (n=3), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Hain Lifescience (n=3), Hain Lifescience - Hain Lifescience FluoroType (n=2), Hain Lifescience - Hain Lifescience GenoType (n=1), PathoFinder (n=3), PathoFinder - PathoFinder Real Time PCR (n=3), Roche - Roche Cobas Amplicor (n=1), Seegene (n=4), Seegene - Seegene Real Time PCR (n=4), TIB MOLBIOL (n=2), TIB MOLBIOL - TIB-MolBiol LightMix (n=2), Vitassay (n=2), Vitassay - Vitassay Real-Time PCR (n=2)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=56)

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MTBDNA19S-02 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
MTBDNA19S-02	M. bovis (BCG)	Synthetic CSF	DS1_2	Frequently Detected	CORE	97.6	125



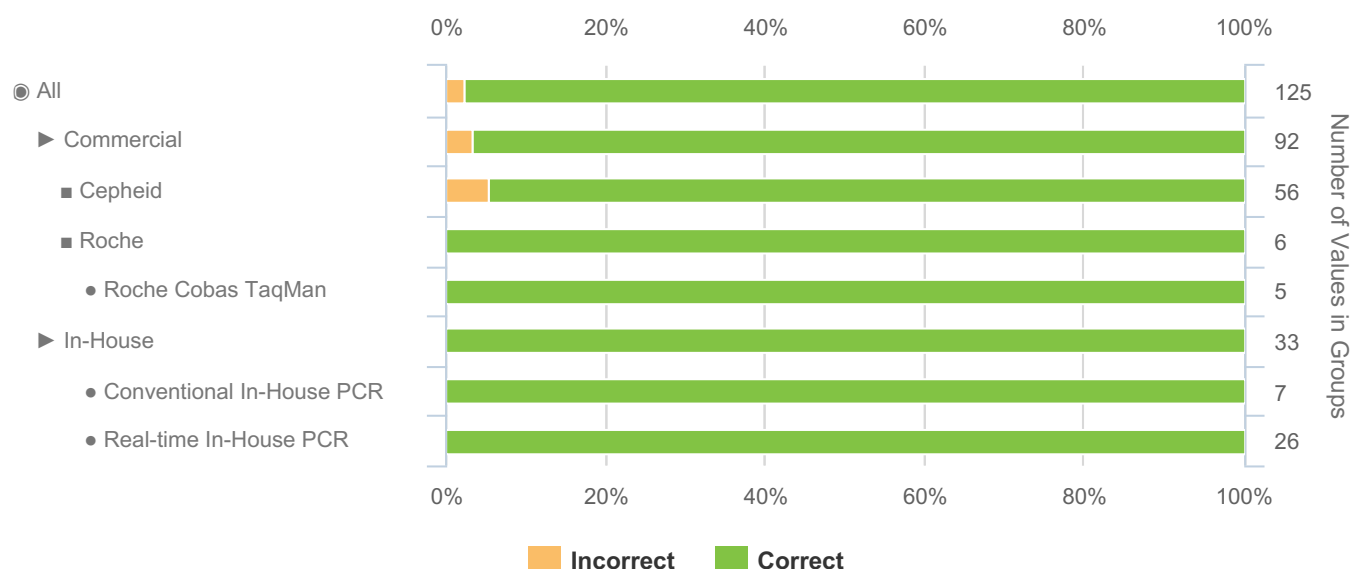
Groups below n=5: Abbott (n=1), Abbott - Abbott Real Time PCR (n=1), BD Molecular Diagnostics (n=1), BD Molecular Diagnostics - BD MAX (n=1), BIORON (n=1), BIORON - BIORON RealLine (n=1), Biolegio (n=1), Biolegio - Biolegio ReadyMax (n=1), Bioneer (n=1), Bioneer - Bioneer Accupower (n=1), Certest (n=2), Certest - Certest Real time PCR (n=2), Clonit (n=1), Clonit - Clonit quanty kit (n=1), Diagenode (n=2), Diagenode - Diagenode Real Time kit (n=2), ELITech Group (n=3), ELITech Group - Elitech Elite Real Time kit (n=3), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Hain Lifescience (n=3), Hain Lifescience - Hain Lifescience FlouroType (n=2), Hain Lifescience - Hain Lifescience GenoType (n=1), PathoFinder (n=3), PathoFinder - PathoFinder Real Time PCR (n=3), Roche - Roche Cobas Amplicor (n=1), Seegene (n=4), Seegene - Seegene Real Time PCR (n=4), TIB MOLBIOL (n=2), TIB MOLBIOL - TIB-MolBiol LightMix (n=2), Vitassay (n=2), Vitassay - Vitassay Real-Time PCR (n=2)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=56)

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MTBDNA19S-04 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
MTBDNA19S-04	M. bovis (BCG)	Synthetic CSF	DS1_1	Frequently Detected	CORE	97.6	125



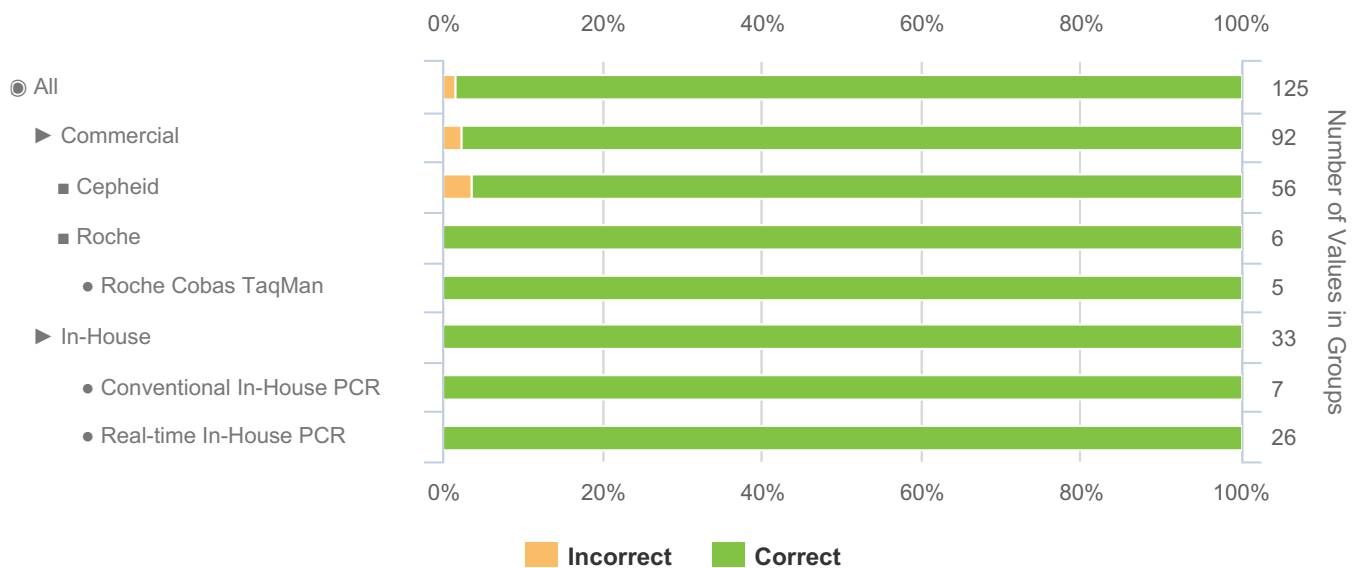
Groups below n=5: Abbott (n=1), Abbott - Abbott Real Time PCR (n=1), BD Molecular Diagnostics (n=1), BD Molecular Diagnostics - BD MAX (n=1), BIORON (n=1), BIORON - BIORON RealLine (n=1), Biolegio (n=1), Biolegio - Biolegio ReadyMax (n=1), Bioneer (n=1), Bioneer - Bioneer Accupower (n=1), Certest (n=2), Certest - Certest Real time PCR (n=2), Clonit (n=1), Clonit - Clonit quanty kit (n=1), Diagenode (n=2), Diagenode - Diagenode Real Time kit (n=2), ELITech Group (n=3), ELITech Group - Elitech Elite Real Time kit (n=3), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Hain Lifescience (n=3), Hain Lifescience - Hain Lifescience FlouroType (n=2), Hain Lifescience - Hain Lifescience GenoType (n=1), PathoFinder (n=3), PathoFinder - PathoFinder Real Time PCR (n=3), Roche - Roche Cobas Amplicor (n=1), Seegene (n=4), Seegene - Seegene Real Time PCR (n=4), TIB MOLBIOL (n=2), TIB MOLBIOL - TIB-MolBiol LightMix (n=2), Vitassay (n=2), Vitassay - Vitassay Real-Time PCR (n=2)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=56)

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MTBDNA19S-05 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
MTBDNA19S-05	M. tuberculosis (DR-RIF-R)	Synthetic CSF		Frequently Detected	CORE	98.4	125



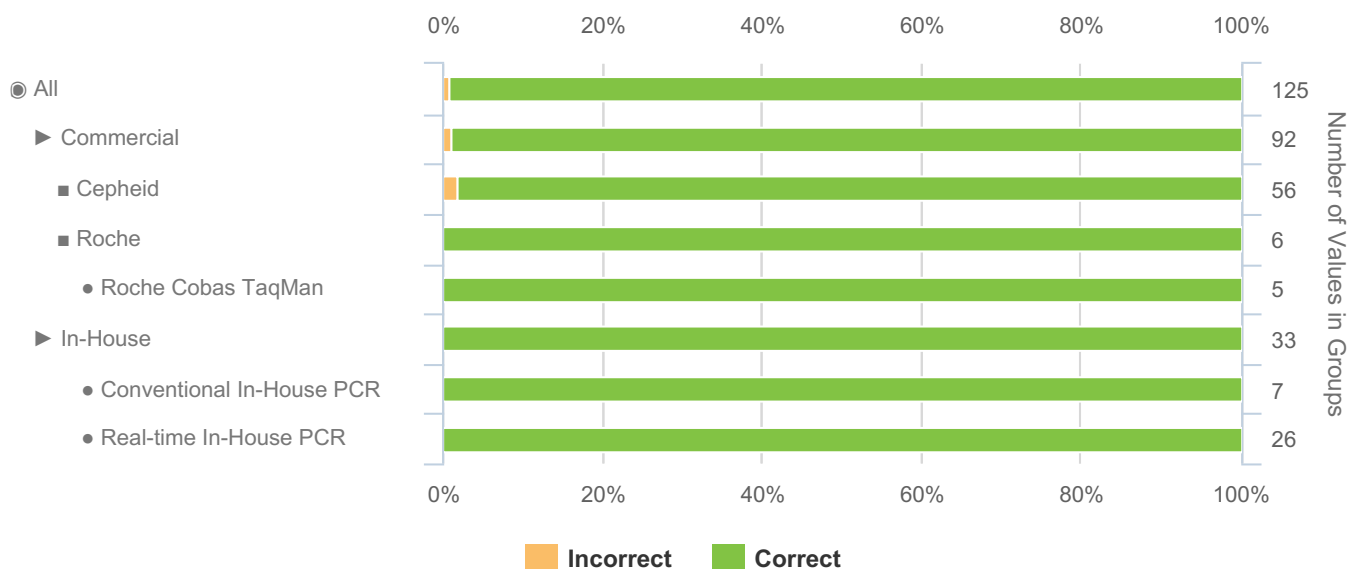
Groups below n=5: Abbott (n=1), Abbott - Abbott Real Time PCR (n=1), BD Molecular Diagnostics (n=1), BD Molecular Diagnostics - BD MAX (n=1), BIORON (n=1), BIORON - BIORON Realline (n=1), Biolegio (n=1), Biolegio - Biolegio ReadyMax (n=1), Bioneer (n=1), Bioneer - Bioneer Accupower (n=1), Certest (n=2), Certest - Certest Real time PCR (n=2), Clonit (n=1), Clonit - Clonit qanty kit (n=1), Diagenode (n=2), Diagenode - Diagenode Real Time kit (n=2), ELITech Group (n=3), ELITech Group - Elitech Elite Real Time kit (n=3), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Hain Lifescience (n=3), Hain Lifescience - Hain Lifescience FlouroType (n=2), Hain Lifescience - Hain Lifescience GenoType (n=1), PathoFinder (n=3), PathoFinder - PathoFinder Real Time PCR (n=3), Roche - Roche Cobas Amplicor (n=1), Seegene (n=4), Seegene - Seegene Real Time PCR (n=4), TIB MOLBIOL (n=2), TIB MOLBIOL - TIB-MolBiol LightMix (n=2), Vitassay (n=2), Vitassay - Vitassay Real-Time PCR (n=2)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=56)

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Catalogue Code: QAB014129	Ref Code: MTBDNA19	Challenge: S	Analysis Type: Qualitative	Dataset: -	Report UID: -/-/2355	Laboratory: -


MTBDNA19S-06 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
MTBDNA19S-06	M. tuberculosis (DR-INH-R)	Synthetic Sputum		Frequently Detected	CORE	99.2	125



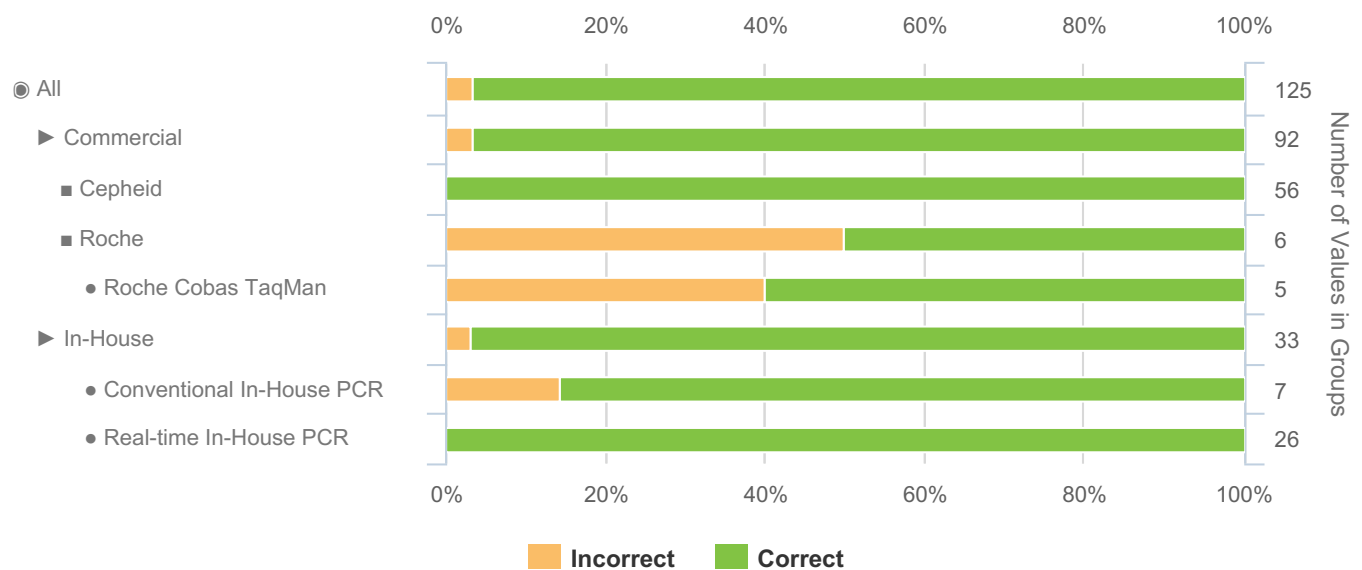
Groups below n=5: Abbott (n=1), Abbott - Abbott Real Time PCR (n=1), BD Molecular Diagnostics (n=1), BD Molecular Diagnostics - BD MAX (n=1), BIORON (n=1), BIORON - BIORON Realline (n=1), Biolegio (n=1), Biolegio - Biolegio ReadyMax (n=1), Bioneer (n=1), Bioneer - Bioneer Accupower (n=1), Certest (n=2), Certest - Certest Real time PCR (n=2), Clonit (n=1), Clonit - Clonit qanty kit (n=1), Diagenode (n=2), Diagenode - Diagenode Real Time kit (n=2), ELITech Group (n=3), ELITech Group - Elitech Elite Real Time kit (n=3), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Hain Lifescience (n=3), Hain Lifescience - Hain Lifescience FlouroType (n=2), Hain Lifescience - Hain Lifescience GenoType (n=1), PathoFinder (n=3), PathoFinder - PathoFinder Real Time PCR (n=3), Roche - Roche Cobas Amplicor (n=1), Seegene (n=4), Seegene - Seegene Real Time PCR (n=4), TIB MOLBIOL (n=2), TIB MOLBIOL - TIB-MolBiol LightMix (n=2), Vitassay (n=2), Vitassay - Vitassay Real-Time PCR (n=2)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=56)

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Catalogue Code: QAB014129	Ref Code: MTBDNA19	Challenge: S	Analysis Type: Qualitative	Dataset: -	Report UID: -/-/2355	Laboratory: -

MTBDNA19S-07 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
MTBDNA19S-07	M. bovis (BCG)	Synthetic Sputum	DS2_2	Frequently Detected	CORE	96.8	125



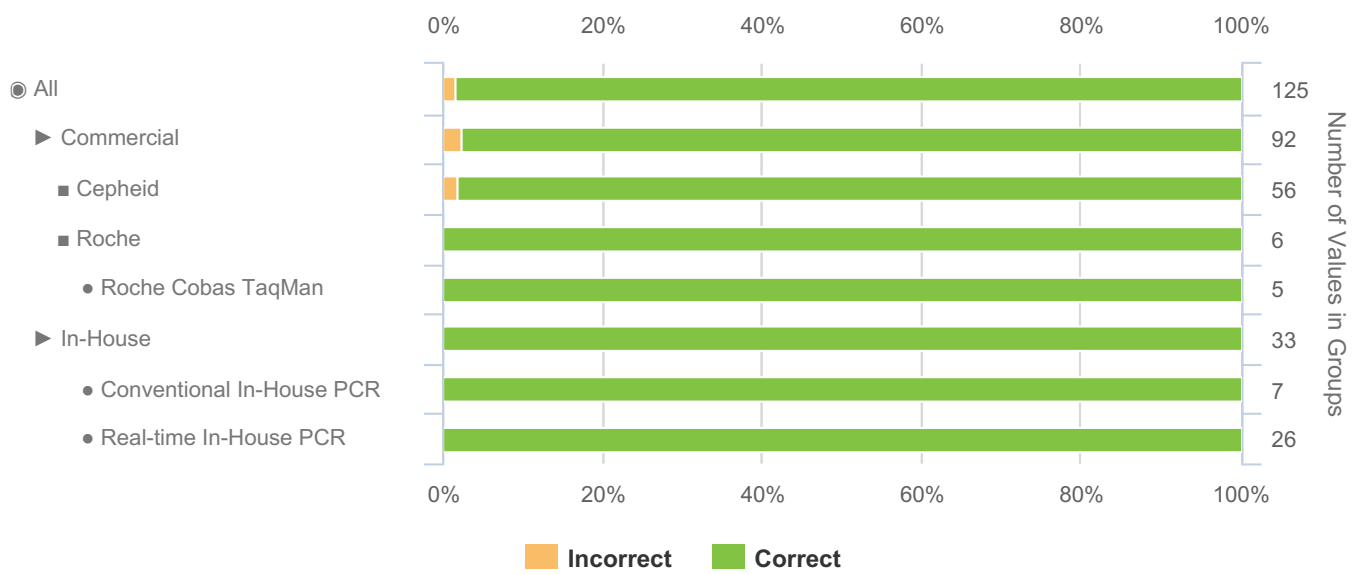
Groups below n=5: Abbott (n=1), Abbott - Abbott Real Time PCR (n=1), BD Molecular Diagnostics (n=1), BD Molecular Diagnostics - BD MAX (n=1), BIORON (n=1), BIORON - BIORON RealLine (n=1), Biolegio (n=1), Biolegio - Biolegio ReadyMax (n=1), Bioneer (n=1), Bioneer - Bioneer Accupower (n=1), Certest (n=2), Certest - Certest Real time PCR (n=2), Clonit (n=1), Clonit - Clonit quauty kit (n=1), Diagenode (n=2), Diagenode - Diagenode Real Time kit (n=2), ELITech Group (n=3), ELITech Group - Elitech Elite Real Time kit (n=3), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Hain Lifescience (n=3), Hain Lifescience - Hain Lifescience FlouroType (n=2), Hain Lifescience - Hain Lifescience GenoType (n=1), PathoFinder (n=3), PathoFinder - PathoFinder Real Time PCR (n=3), Roche - Roche Cobas Amplicor (n=1), Seegene (n=4), Seegene - Seegene Real Time PCR (n=4), TIB MOLBIOL (n=2), TIB MOLBIOL - TIB-MolBiol LightMix (n=2), Vitassay (n=2), Vitassay - Vitassay Real-Time PCR (n=2)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=56)

Catalogue Code: QAB014129	Ref Code: MTBDNA19	Challenge: S	Analysis Type: Qualitative	Dataset: -	Report UID: -/-/2355	Laboratory: -
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MTBDNA19S-08 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
MTBDNA19S-08	M. bovis (BCG)	Synthetic Sputum	DS2_1	Frequently Detected	CORE	98.4	125



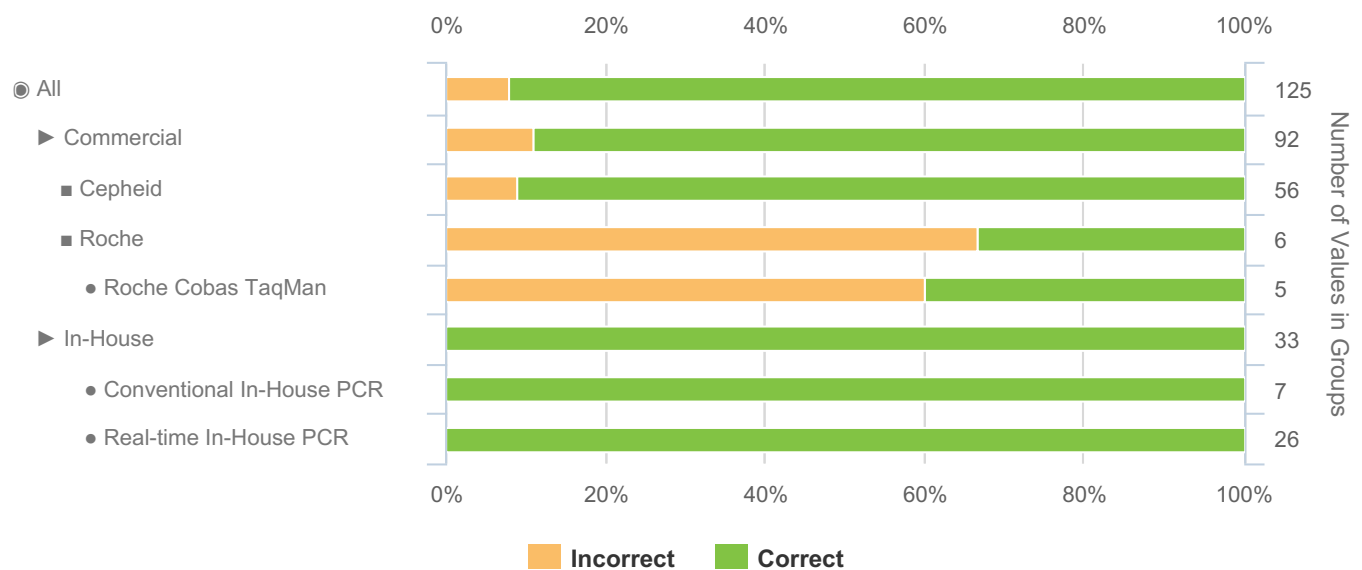
Groups below n=5: Abbott (n=1), Abbott - Abbott Real Time PCR (n=1), BD Molecular Diagnostics (n=1), BD Molecular Diagnostics - BD MAX (n=1), BIORON (n=1), BIORON - BIORON RealLine (n=1), Biolegio (n=1), Biolegio - Biolegio ReadyMax (n=1), Bioneer (n=1), Bioneer - Bioneer Accupower (n=1), Certest (n=2), Certest - Certest Real time PCR (n=2), Clonit (n=1), Clonit - Clonit quauty kit (n=1), Diagenode (n=2), Diagenode - Diagenode Real Time kit (n=2), ELITech Group (n=3), ELITech Group - Elitech Elite Real Time kit (n=3), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Hain Lifescience (n=3), Hain Lifescience - Hain Lifescience FlouroType (n=2), Hain Lifescience - Hain Lifescience GenoType (n=1), PathoFinder (n=3), PathoFinder - PathoFinder Real Time PCR (n=3), Roche - Roche Cobas Amplicor (n=1), Seegene (n=4), Seegene - Seegene Real Time PCR (n=4), TIB MOLBIOL (n=2), TIB MOLBIOL - TIB-MolBiol LightMix (n=2), Vitassay (n=2), Vitassay - Vitassay Real-Time PCR (n=2)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=56)

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MTBDNA19S-09 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
MTBDNA19S-09	M. xenopi	Synthetic Sputum		Negative	CORE	92.0	125



Groups below n=5: Abbott (n=1), Abbott - Abbott Real Time PCR (n=1), BD Molecular Diagnostics (n=1), BD Molecular Diagnostics - BD MAX (n=1), BIORON (n=1), BIORON - BIORON RealLine (n=1), Biolegio (n=1), Biolegio - Biolegio ReadyMax (n=1), Bioneer (n=1), Bioneer - Bioneer Accupower (n=1), Certest (n=2), Certest - Certest Real time PCR (n=2), Clonit (n=1), Clonit - Clonit quanty kit (n=1), Diagenode (n=2), Diagenode - Diagenode Real Time kit (n=2), ELITech Group (n=3), ELITech Group - Elitech Elite Real Time kit (n=3), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Hain Lifescience (n=3), Hain Lifescience - Hain Lifescience FlouroType (n=2), Hain Lifescience - Hain Lifescience GenoType (n=1), PathoFinder (n=3), PathoFinder - PathoFinder Real Time PCR (n=3), Roche - Roche Cobas Amplicor (n=1), Seegene (n=4), Seegene - Seegene Real Time PCR (n=4), TIB MOLBIOL (n=2), TIB MOLBIOL - TIB-MolBiol LightMix (n=2), Vitassay (n=2), Vitassay - Vitassay Real-Time PCR (n=2)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=56)

Individual Report		QCMD 2019 Mycobacterium tuberculosis DNA EQA Programme			 <small>Quality Control for Molecular Diagnostics</small>	
Catalogue Code: QAB014129	Ref Code: MTBDNA19	Challenge: S	Analysis Type: Qualitative	Dataset: -	Report UID: -/-/2355	Laboratory: -

Additional Educational Samples Information

The following section has been categorised as shown below:


Educational ► Qualitative

Individual Panel Member Analysis (Qualitative)

Qualitative analysis for each panel member is provided in relation to your EQA assessment group. EQA assessment groups are established using the molecular workflow information reported by all participants within this EQA challenge / distribution. The principal level of assessment is at the individual method level which is defined based on your reported “amplification/detection method” and other laboratories using the same or similar amplification/detection methods.

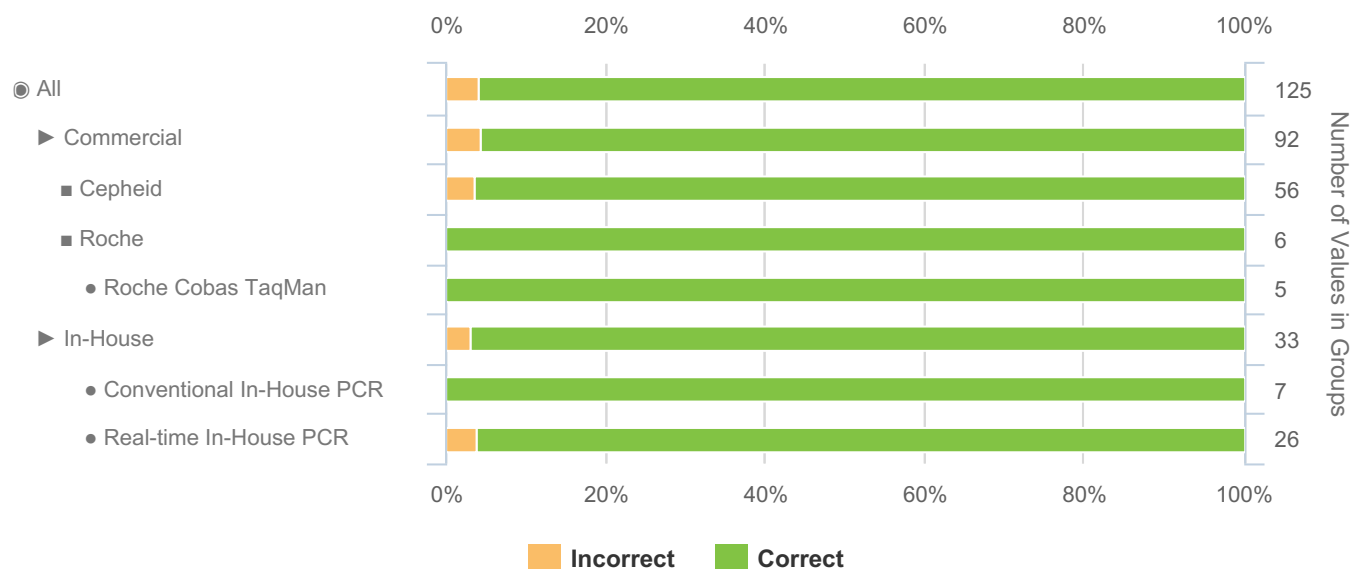
To allow meaningful assessment at the individual method level the EQA assessment group must consist of 5 or more datasets. If there are not sufficient datasets at the individual method level then your results will be included within a higher EQA assessment group based on whether it is a commercial or in house technology/method. The highest level assessment grouping is “All” participant reported qualitative results.

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

Individual Report		QCMD 2019 Mycobacterium tuberculosis DNA EQA Programme			 QCMD Quality Control for Molecular Diagnostics	
Catalogue Code: QAB014129	Ref Code: MTBDNA19	Challenge: S	Analysis Type: Qualitative	Dataset: -	Report UID: -/-/2355	Laboratory: -


MTBDNA19S-03 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
MTBDNA19S-03	M. bovis (BCG)	Synthetic CSF	DS1_3	Frequently Detected	EDUCATIONAL	96.0	125



Groups below n=5: Abbott (n=1), Abbott - Abbott Real Time PCR (n=1), BD Molecular Diagnostics (n=1), BD Molecular Diagnostics - BD MAX (n=1), BIORON (n=1), BIORON - BIORON Realline (n=1), Biolegio (n=1), Biolegio - Biolegio ReadyMax (n=1), Bioneer (n=1), Bioneer - Bioneer Accupower (n=1), Certest (n=2), Certest - Certest Real time PCR (n=2), Clonit (n=1), Clonit - Clonit quanty kit (n=1), Diagenode (n=2), Diagenode - Diagenode Real Time kit (n=2), ELITech Group (n=3), ELITech Group - Elitech Elite Real Time kit (n=3), GeneProof (n=3), GeneProof - GeneProof Real Time PCR kit (n=3), Hain Lifescience (n=3), Hain Lifescience - Hain Lifescience FlouroType (n=2), Hain Lifescience - Hain Lifescience GenoType (n=1), PathoFinder (n=3), PathoFinder - PathoFinder Real Time PCR (n=3), Roche - Roche Cobas Amplicor (n=1), Seegene (n=4), Seegene - Seegene Real Time PCR (n=4), TIB MOLBIOL (n=2), TIB MOLBIOL - TIB-MolBiol LightMix (n=2), Vitassay (n=2), Vitassay - Vitassay Real-Time PCR (n=2)

Groups Rolled Up: Cepheid - Cepheid Xpert kit (n=56)

Individual Report		QCMD 2019 Mycobacterium tuberculosis DNA EQA Programme				
Catalogue Code: QAB014129	Ref Code: MTBDNA19	Challenge: S	Analysis Type: Qualitative	Dataset: -	Report UID: -/-/2355	Laboratory: -

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