LABQUALITY

External Quality Assessment Scheme

Trichomonas vaginalis, detection Round 1, 2023

Specimens

Please find enclosed 3 artificial vaginal discharge liquid samples S001, S002 and S003, each 1 $\,\mathrm{mL}$.

Caution

The samples are inactivated and should contain no infectious material. However, they should be handled with the same care as normal patient samples, capable of transmitting infectious disease.

Examinations

Trichomonas vaginalis, antigen detection Trichomonas vaginalis, nucleic acid detection

Storage and use

After arrival, the samples should be stored at +2...8 °C.

- 1. The samples are ready for use.
- 2. Let the samples warm up to room temperature and mix well.
 - Put a sample collection swab into the sample tube, mix and let it absorb for 10 seconds.
 - If the samples should be diluted use the sample diluent supplied by your test kit. Use the same dilution ratio as instructed in your test kit's instructions.
- 3. Prepare and test the samples similar to patient samples according to the instructions of your test kit.

Result reporting

Please enter the results and methods via LabScala (www.labscala.com). If you cannot find your instrument or reagent from the registry, please contact the EQA Coordinator. Report only the results of examinations that are in use in your laboratory. All reported examinations will be scored.

S001



S002



S003



2023-01-31

INSTRUCTIONS

Product no. 5473 LQ769923011-013/CA

If the kit is incomplete or contains damaged specimens, please report immediately to info@labquality.fi.

The results should be reported no later than **February 28, 2023**.

The expected results of the round are published in LabScala in the View Reports section by March 3, 2023.

Inquiries

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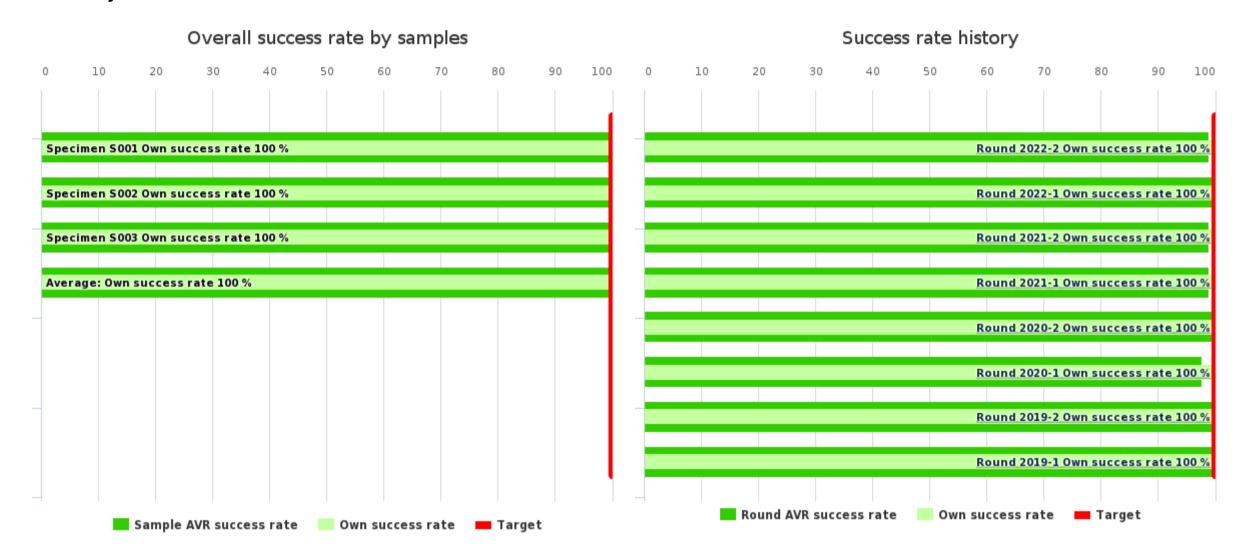




Client report

	No of participants	No of responded participants	Response percentage
Trichomonas vaginalis, detection, February, 1-2023	32	31	96.9 %

Summary



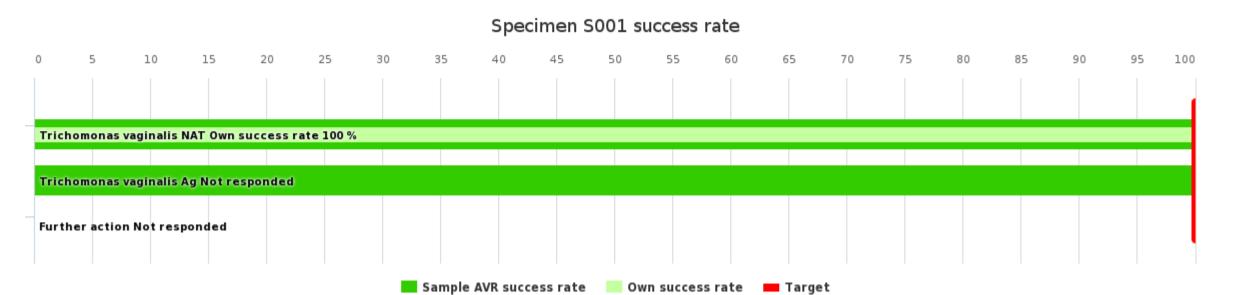
Summary	Own score	Max score	Own success rate	Difference	AVR success rate
Specimen S001	2	2	100 %	0 %	100 %
Specimen S002	2	2	100 %	0 %	100 %
Specimen S003	2	2	100 %	0 %	100 %
Average:			100 %	0 %	100 %

History	Test nr.	Own success rate	Difference	AVR success rate
Round 2022-2	1-1	100 %	1.1 %	98.9 %
Round 2022-1	1-1	100 %	0 %	100 %
Round 2021-2	1-1	100 %	1.1 %	98.9 %
Round 2021-1	1-1	100 %	1 %	99 %
Round 2020-2	1-1	100 %	0 %	100 %
Round 2020-1	1-1	100 %	2.3 %	97.7 %
Round 2019-2	1-1	100 %	0 %	100 %
Round 2019-1	1-1	100 %	0 %	100 %

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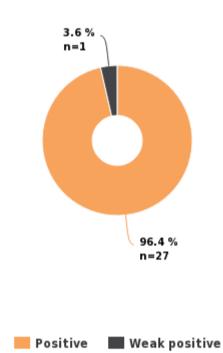


Specimen S001

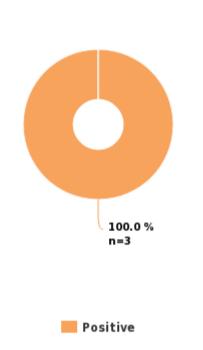


Specimen S001 results	Responded	Own score	Max score	Own success rate	Difference	AVR success rate	Count
	Trichomonas vaginalis NAT	2	2	100 %	0 %	100 %	28
	Trichomonas vaginalis Ag	-	-	-	-	100 %	3
	Further action	-	-	-	-	-	3
Total:		2	2	100 %	0 %	100 %	34

Specimen S001 Trichomonas vaginalis NAT







OWN DEVICE: AUPAN1

Trichomonas vaginalis NAT	Interpretation	Method	Interpretation count	Method count	Own score	Max score	Own success rate	Difference	AVR success rate
	Positive		27		2	2	100 %	0 %	100 %
		Abbott Alinity m STI Assay		1					
		Becton Dickinson BD Max CT/GC/TV		8					
		Becton Dickinson BD Max Vaginal Panel		1					
		Becton Dickinson BD ProbeTec TV		1					
		Cepheid Xpert TV		5					
		Diagenode Diagnostics S-Dia MGTV		1					
		ELITechGroup STI PLUS ELITe MGP Kit		3					
		Hologic Aptima Trichomonas vaginalis assay		1					
		In house Trichomonas vaginalis		1					
		Seegene Allplex STI Essential Assay		2					
		Seegene Anyplex II STI-7 Detection		3					
	Weak positive		1		-				100 %
		Seegene Allplex STI Essential Assay		1					
	Total:		28		2	2	100 %	0 %	100 %
Trichomonas	Interpretation	Method	Interpretation	Method	Own	May	Own	Difference	ΔVR

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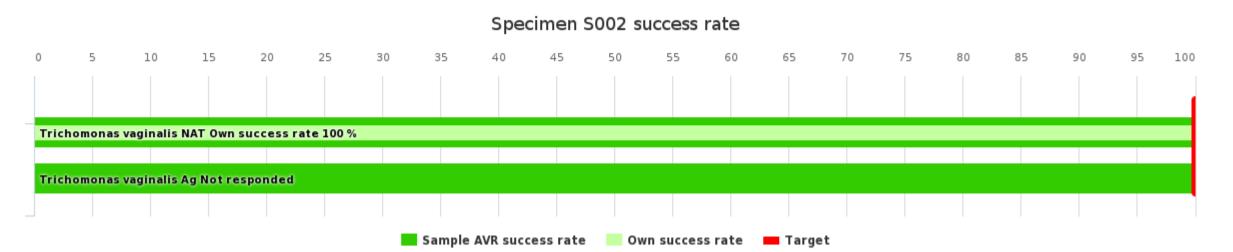


Positive		3		-				100 %
	Nal von minden NADAL Trichomonas vaginalis test		1					
	Sekisui OSOM Trichomonas Rapid Test		2					
Total:		3		_	_	_	_	100 %

Further action	Response	Response count
	T. vaginalis would be confirmed	3
	Total:	3

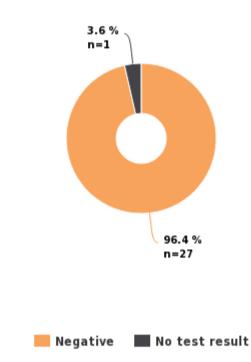


Specimen S002

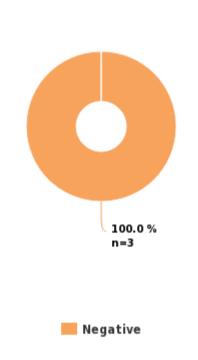


Specimen S002 results	s Responded		Max score	Own success rate	Difference	AVR success rate	Count
	Trichomonas vaginalis NAT	2	2	100 %	0 %	100 %	28
	Trichomonas vaginalis Ag	-	-	-	-	100 %	3
Tota	l:	2	2	100 %	0 %	100 %	31

Specimen S002 Trichomonas vaginalis NAT







OWN DEVICE: AUPAN1

Trichomonas vaginalis NAT	Interpretation	Method	Interpretation count	Method count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		27		2	2	100 %	0 %	100 %
		Abbott Alinity m STI Assay		1					
		Becton Dickinson BD Max CT/GC/TV		8					
		Becton Dickinson BD Max Vaginal Panel		1					
		Becton Dickinson BD ProbeTec TV		1					
		Cepheid Xpert TV		4					
		Diagenode Diagnostics S-Dia MGTV		1					
		ELITechGroup STI PLUS ELITe MGP Kit		3					
		Hologic Aptima Trichomonas vaginalis assay		1					
		In house Trichomonas vaginalis		1					
		Seegene Allplex STI Essential Assay		3					
		Seegene Anyplex II STI-7 Detection		3					
	No test result		1		-				-
		Cepheid Xpert TV		1					
	Total:		28		2	2	100 %	0 %	100 %

Trichomonas vaginalis Ag	Interpretation	Method	Interpretation count	Method count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		3		-				100 %
		Nal von minden NADAL Trichomonas vaginalis test		1					

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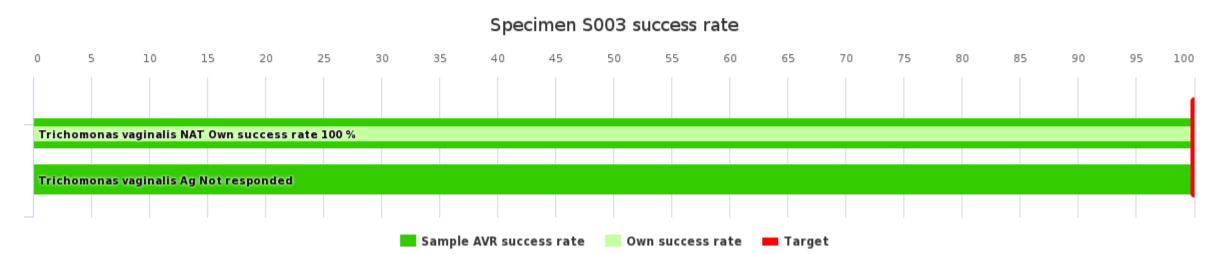


	Sekisui OSOM Trichomonas Rapid Test		2					
Total:		3		_	_	_	_	100 %



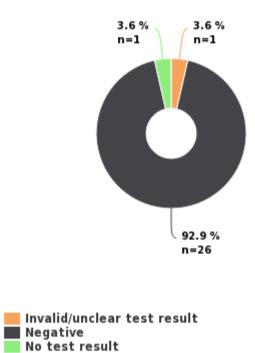


Specimen S003

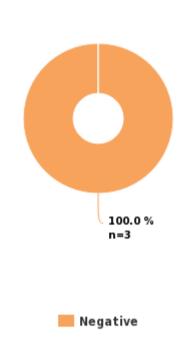


Specimen S003 results	Responded	Own score	Max score	Own success rate	Difference	AVR success rate	Count
	Trichomonas vaginalis NAT	2	2	100 %	0 %	100 %	28
	Trichomonas vaginalis Ag	-	-	-	-	100 %	3
Total:		2	2	100 %	0 %	100 %	31

Specimen S003 Trichomonas vaginalis NAT



Specimen S003 Trichomonas vaginalis Ag



OWN DEVICE: AUPAN1

Trichomonas vaginalis NAT	Interpretation	Method	Interpretation count	Method count	Own score	Max score	Own success rate	Difference	AVR success rate
	Invalid/unclear test result		1		-				-
		Cepheid Xpert TV		1					
	Negative		26		2	2	100 %	0 %	100 %
		Abbott Alinity m STI Assay		1					
		Becton Dickinson BD Max CT/GC/TV		8					
		Becton Dickinson BD Max Vaginal Panel		1					
		Becton Dickinson BD ProbeTec TV		1					
		Cepheid Xpert TV		3					
		Diagenode Diagnostics S-Dia MGTV		1					
		ELITechGroup STI PLUS ELITe MGP Kit		3					
		Hologic Aptima Trichomonas vaginalis assay		1					
		In house Trichomonas vaginalis		1					
		Seegene Allplex STI Essential Assay		3					
		Seegene Anyplex II STI-7 Detection		3					
	No test result		1		-				-
		Cepheid Xpert TV		1					
	Total:		28		2	2	100 %	0 %	100 %

Trichomonas vaginalis Ag	Interpretation	Method	Interpretation count	Method count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		3		-				100 %

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Trichomonas vaginalis, detection, February, 1-2023



	Nal von minden NADAL Trichomonas vaginalis test		1					
	Sekisui OSOM Trichomonas Rapid Test		2					
Total:		3		-	_	-	_	100 %



Trichomonas vaginalis, detection, February, 1-2023



Report Info

PARTICIPANTS

Altogether 32 laboratories from 9 countries participated in this EQA round.

REPORT INFO

The results are divided into groups according to the method stated by the laboratory and presented in laboratory-specific tables. Accepted results are marked with green color and laboratory's own result with a black radio button . In the scoring report you will find summaries of overall success rate and sample specific success rates (%). Sample specific interpretations are shown in pie diagrams as percentages and the total interpretation and methodic counts in the tables. If you have not reported any results you will get a note: "You have not responded in time, only global report is available".

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SCORING

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Correct/expected test result 2/2 points False/deviating test result 0/2 points

The performance of the laboratory is assessed by the Own success rate (%). The target is 100%. The examination-specific scores obtained by the laboratory in the round are converted to Own success rate per sample (scores/maximum scores*100). The Laboratory's Own success rate is the average of the sample success rates.

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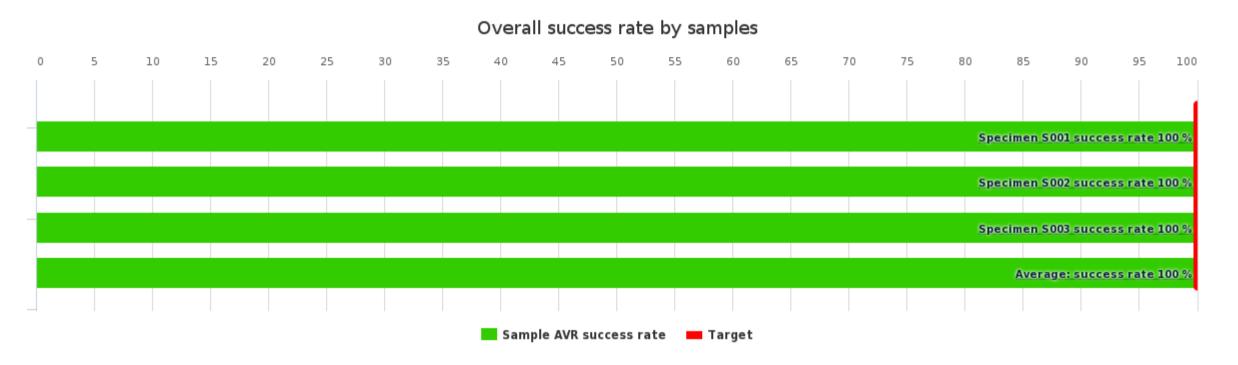
08.03.2023



GLOBAL REPORT

	No of participants	No of responded participants	Response percentage
Trichomonas vaginalis, detection, February, 1-2023	32	31	96.9 %

Summary



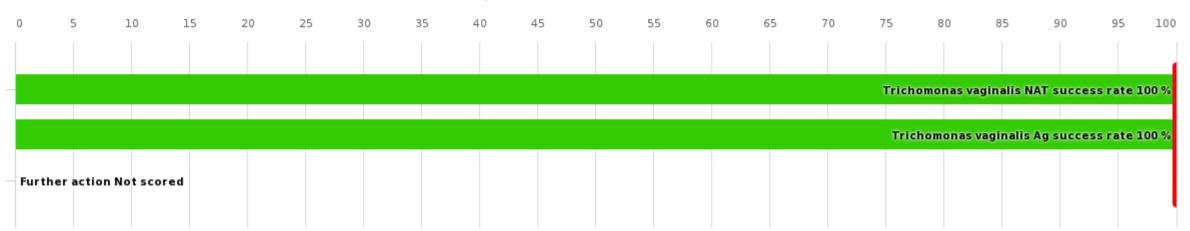
Summary	AVR success rate
Specimen S001	100 %
Specimen S002	100 %
Specimen S003	100 %
Average:	100 %

08.03.2023



Specimen S001





Specimen S001 results	Responded	AVR success rate	Count
	Trichomonas vaginalis NAT	100 %	28
	Trichomonas vaginalis Ag	100 %	3
	Further action	-	3
Total		100 %	34

Specimen S001 Trichomonas vaginalis NAT

Specimen S001 Trichomonas vaginalis Ag

100.0 %



Trichomonas vaginalis NAT	Interpretation	Method	Interpretation count	Method count	AVR success rate	Interpretation Score
	Positive		27		100 %	2
		Abbott Alinity m STI Assay		1		
		Becton Dickinson BD Max CT/GC/TV		8		
		Becton Dickinson BD Max Vaginal Panel		1		
		Becton Dickinson BD ProbeTec TV		1		
		Cepheid Xpert TV		5		
		Diagenode Diagnostics S-Dia MGTV		1		
		ELITechGroup STI PLUS ELITe MGP Kit		3		
		Hologic Aptima Trichomonas vaginalis assay		1		
		In house Trichomonas vaginalis		1		
		Seegene Allplex STI Essential Assay		2		
		Seegene Anyplex II STI-7 Detection		3		
	Weak positive		1		100 %	2
		Seegene Allplex STI Essential Assay		1		
	Total:		28		100 %	

Trichomonas vaginalis Ag	Interpretation	Method	Interpretation count	Method count	AVR success rate	Interpretation Score
	Positive		3		100 %	2
		Nal von minden NADAL Trichomonas vaginalis test		1		
		Sekisui OSOM Trichomonas Rapid Test		2		
	Total:		3		100 %	

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Further action	Response	Response count
	T. vaginalis would be confirmed	3
	Total:	2

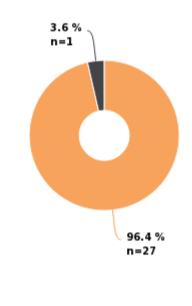


Specimen S002



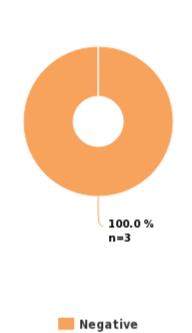
Specimen S002 results	Responded	AVR success rate	Count
	Trichomonas vaginalis NAT	100 %	28
	Trichomonas vaginalis Ag	100 %	3
Total:		100 %	31

Specimen S002 Trichomonas vaginalis NAT





Specimen S002 Trichomonas vaginalis Ag



Trichomonas vaginalis NAT	Interpretation	Method	Interpretation count	Method count	AVR success rate	Interpretation Score
	Negative		27		100 %	2
		Abbott Alinity m STI Assay		1		
		Becton Dickinson BD Max CT/GC/TV		8		
		Becton Dickinson BD Max Vaginal Panel		1		
		Becton Dickinson BD ProbeTec TV		1		
		Cepheid Xpert TV		4		
		Diagenode Diagnostics S-Dia MGTV		1		
		ELITechGroup STI PLUS ELITe MGP Kit		3		
		Hologic Aptima Trichomonas vaginalis assay		1		
		In house Trichomonas vaginalis		1		
		Seegene Allplex STI Essential Assay		3		
		Seegene Anyplex II STI-7 Detection		3		
	No test result		1		-	-
		Cepheid Xpert TV		1		
	Total:		28		100 %	

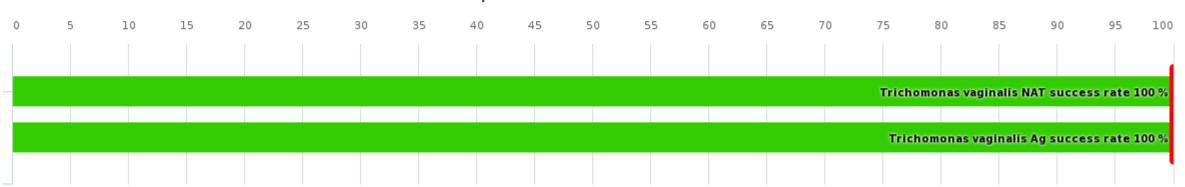
Trichomonas vaginalis Ag	Interpretation	Method	Interpretation count	Method count	AVR success rate	Interpretation Score
	Negative		3		100 %	2
		Nal von minden NADAL Trichomonas vaginalis test		1		
		Sekisui OSOM Trichomonas Rapid Test		2		
	Total:		3		100 %	

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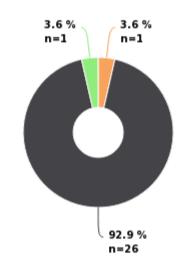
Specimen S003

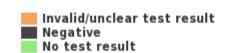




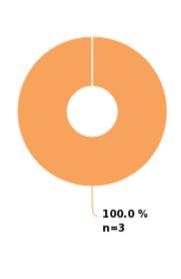
Specimen S003 results	Responded	AVR success rate	Count
	Trichomonas vaginalis NAT	100 %	28
	Trichomonas vaginalis Ag	100 %	3
	Total:	100 %	31

Specimen S003 Trichomonas vaginalis NAT





Specimen S003 Trichomonas vaginalis Ag



Negative

Trichomonas vaginalis NAT	Interpretation	Method	Interpretation count	Method count	AVR success rate	Interpretation Score
	Invalid/unclear test result		1		-	-
		Cepheid Xpert TV		1		
	Negative		26		100 %	2
		Abbott Alinity m STI Assay		1		
		Becton Dickinson BD Max CT/GC/TV		8		
		Becton Dickinson BD Max Vaginal Panel		1		
		Becton Dickinson BD ProbeTec TV		1		
		Cepheid Xpert TV		3		
		Diagenode Diagnostics S-Dia MGTV		1		
		ELITechGroup STI PLUS ELITe MGP Kit		3		
		Hologic Aptima Trichomonas vaginalis assay		1		
		In house Trichomonas vaginalis		1		
		Seegene Allplex STI Essential Assay		3		
		Seegene Anyplex II STI-7 Detection		3		
	No test result		1		-	-
		Cepheid Xpert TV		1		
	Total:		28		100 %	

Trichomonas vaginalis Ag	Interpretation	Method	Interpretation count	Method count	AVR success rate	Interpretation Score
	Negative		3		100 %	2
		Nal von minden NADAL Trichomonas vaginalis test		1		
		Sekisui OSOM Trichomonas Rapid Test		2		
	Total:		3		100 %	

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Trichomonas vaginalis, detection, February, 1-2023

Report Info

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REPORT INFO

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08.03.2023

LABQUALITY

External Quality Assessment Scheme

Trichomonas vaginalis, detection Round 1, 2023

Specimens

Samples of this EQA round were artificial vaginal discharge liquid samples. Based on the quality controls conducted by the sample material manufacturer and the results obtained in the round, the sample lots are to be considered as homogeneous, stable and suitable for external quality assessment. The materials were sent without temperature control packaging.

The expected results were as follows:

Sample S001 (LQ769923011)

Trichomonas vaginalis, antigen Positive Trichomonas vaginalis, nucleic acid Positive

Sample S002 (LQ769923012)

Trichomonas vaginalis, antigen Negative Trichomonas vaginalis, nucleic acid Negative

Sample S003 (LQ769923013)

Trichomonas vaginalis, antigen Negative Trichomonas vaginalis, nucleic acid Negative

Report info

Please see the description of the data analysis on the last page of the laboratory-specific reports and global reports. It is important to read the Final report first, because it contains important information of the samples and results in each round.

Comments - EQA Coordinator

In this round there were one positive and two negative *T. vaginalis* samples. Overall, the results of the round were good. All participants reported the sample S001 correctly as *T. vaginalis* positive. Also, no false positive results were reported for the negative samples S002 and S003. However, few unexpected "no result" responses were reported from the negative samples. The samples contained human DNA, but the results could indicate that it's concentration might not have been sufficient.

Exceptions in scoring

"No test result" as well as "invalid test result", reported from the negative samples (S002 and S003) were excluded from the scoring, because the concentration of human cells was possibly too low for some methods.

End of report

2023-03-08

FINAL REPORT

Product no. 5473

 Samples sent
 2023-01-31

 Round closed
 2023-02-28

 Expected results
 2023-03-03

 Final report
 2023-03-08

Request for correction

Typing errors in laboratory's result forms are on laboratory's responsibility. Labquality accepts responsibility only for result processing. Requests must be notified by writing within three weeks from the date of this letter.

Authorized by

EQA Coordinator Elina Tuovinen elina.tuovinen@labquality.fi

Expert

PhD, Microbiologist, Taru Meri University of Helsinki and Vita Laboratories, Helsinki, Finland

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