

External Quality Assessment Scheme

***Streptococcus pyogenes* (Group A), antigen detection in pharyngeal sample** **Round 1, 2023**

Specimens

Please find enclosed 3 simulated pharyngeal samples S001, S002 and S003, each 1 mL.

Caution

The samples are inactivated but should be handled with the same care as patient specimens.

Examinations

Streptococcus pyogenes (Group A), antigen detection in pharyngeal sample.

Storage and use

After arrival the samples should be stored at +2...8 °C and analyzed as soon as possible. Let the samples warm up to room temperature and mix well by inverting the tubes several times. Put a sample collection swab into the sample tube, mix and let it absorb for 10 seconds. In the sequel follow the instructions given by the test manufacturer.

The samples are not suitable for throat culture.

Result reporting

Please enter the results and methods via LabScala (www.labscala.com). If you cannot find your instrument or test kit in the menu, please contact the EQA Coordinator.

Additional results (max 3/sample) can be reported if the sample volume is sufficient for the test kits in question. If multiple results are reported, only results reported for different test kits will be processed, not parallel results for the same kit. Always report results for the entire set of samples (S001, S002 and S003). All reported results will be scored.

If you have also ordered the *Streptococcus pyogenes* (Group A), nucleic acid detection in pharyngeal sample (5593) round, you should add these results in the same view in LabScala (see picture below).

[<<Previous step>>Streptococcus pyogenes \(Group A\), nucleic acid detection in pharyngeal sample](#)[>>Streptococcus pyogenes \(Group A\), antigen detection in pharyngeal sample](#)[>>Next step](#)

S001



S003



S002



2023-03-06

INSTRUCTIONS

Product no. 5595
LQ761323011-013/US

Subcontracting: Sample pretesting

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

The results should be reported no later than **March 24, 2023**.

The expected results of the round are published in LabScala in the View Reports section by March 29, 2023.

Inquiries

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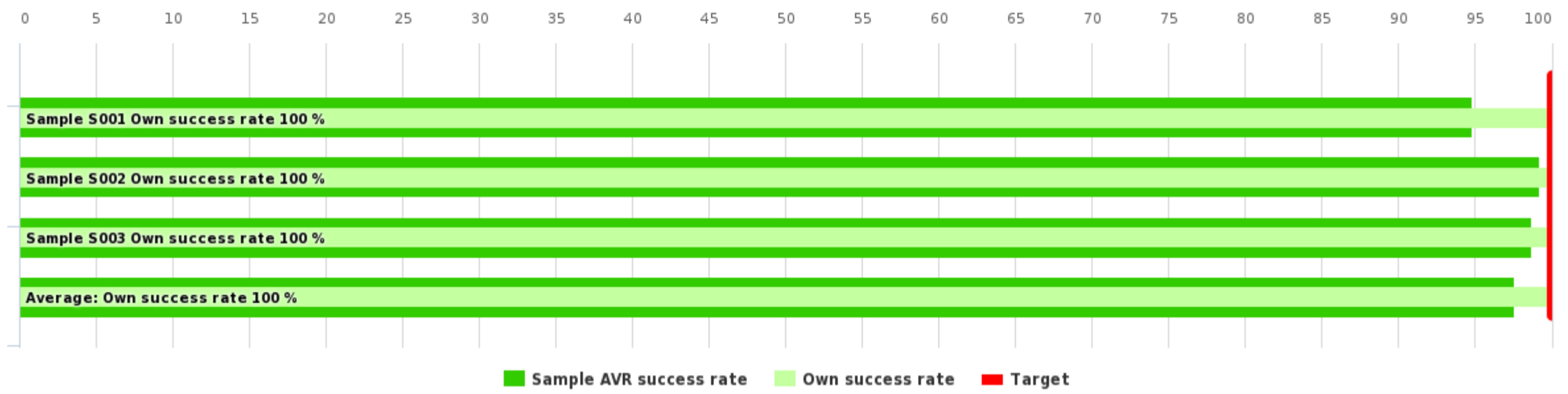


Client report

	No of participants	No of responded participants	Response percentage
Streptococcus pyogenes (Group A), antigen detection in pharyngeal sample, March, 1-2023	537	491	91.4 %

Summary

Overall success rate by samples

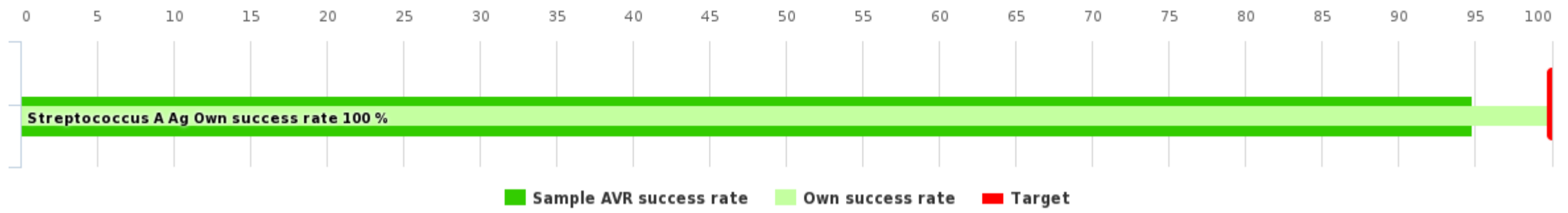


Summary	Own score	Max score	Own success rate	Difference	AVR success rate
Sample S001	2	2	100 %	5.2 %	94.8 %
Sample S002	2	2	100 %	0.8 %	99.2 %
Sample S003	2	2	100 %	1.3 %	98.7 %
Average:			100 %	2.4 %	97.6 %

History	Test nr.	Own success rate	Difference	AVR success rate
History not found				

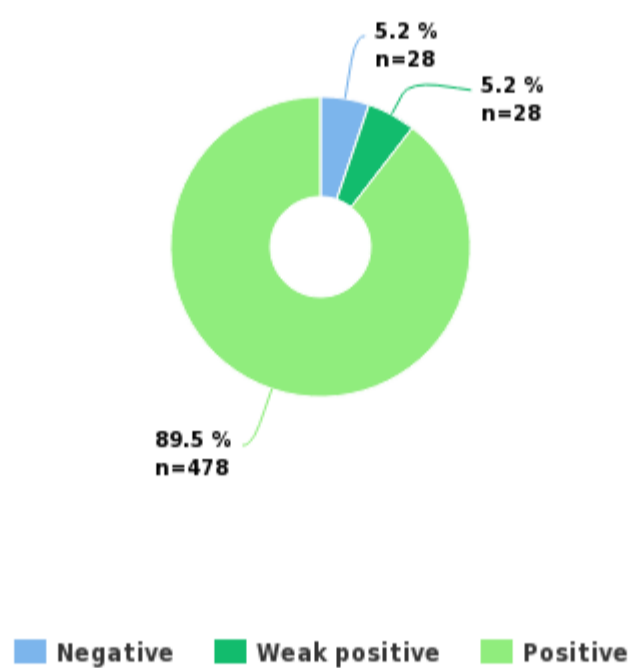
Sample S001

Sample S001 success rate



Sample S001 results	Responded	Own score	Max score	Own success rate	Difference	AVR success rate	Count
	Streptococcus A Ag	2	2	100 %	5.2 %	94.8 %	534
Total:		2	2	100 %	5.2 %	94.8 %	534

Sample S001 Streptococcus A Ag



STREPTOCOCCUS A AG

Profession	AVR success rate
Laboratory professional	96.3 %
Nursing	93 %
Assisting personnel	100 %
Doctor	100 %
Other	100 %
Total:	94.8 %

Profession	Result	Test kit	Result count	Test kit count	Own score	Max score	Own success rate	Difference	AVR success rate
Laboratory professional	Negative		271		2	2	100 %	3.7 %	96.3 %
			10		-				0 %
		Acro Biotech, Strep A Rapid Test	1						
		Aidian (Orion Diagnostica), QuikRead go Strep A	3						
		Biosynex, Exacto pro Streptatest	1						
		CerTest Biotec, Strep A	1						
		Hangzhou Alltest Biotech, Strep A Rapid Test Cassette	2						
	Weak positive	Sekisui Diagnostics, OSOM Strep A	5	2	-				100 %
	Positive	Acro Biotech, Strep A Rapid Test		1					
		INTERMED Strep-A-Test		1					
		Nal von Minden, Nadal Strep A		1					
		Sekisui Diagnostics, OSOM Strep A		2					
			256		2	2	100 %	0 %	100 %
		Abbott, TestPack Plus Strep A with OBC		1					
		Acro Biotech, Strep A Rapid Test		7					
		Aidian (Orion Diagnostica), QuikRead go Strep A		23					

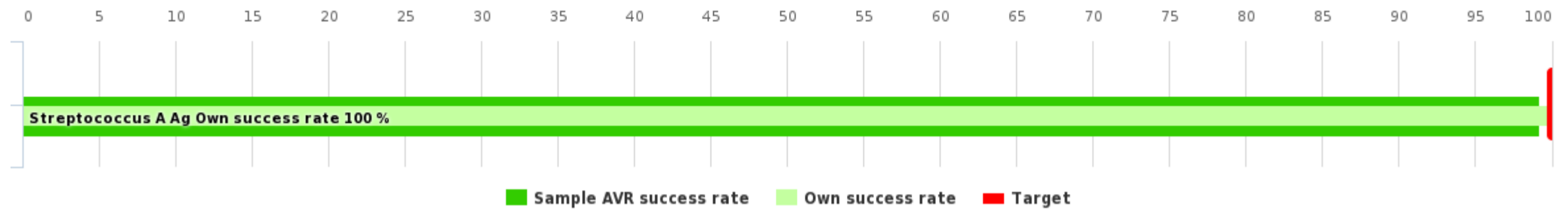
		Alere/ Inverness, TestPack+Plus Strep A with OBC	1				
		ArcDia, mariPOC pharyn	13				
		ArcDia, mariPOC Quick StrepA	20				
		Biosynex, Exacto pro Streptatest	4				
		● Biosynex, Streptop A	6				
		CerTest Biotec, Strep A	3				
		CTK Biotech, Strep A Rapid Test	1				
		Cypress Diagnostics, Strep A	1				
		Hangzhou Alltest Biotech, Strep A Rapid Test Cassette	9				
		Hangzhou Alltest Biotech, Strep A Rapid Test Dipstick	14				
		INTERMED Strep-A-Test	2				
		Nal von Minden, Nadal Strep A	5				
		Quidel, QuickVue + Strep A	1				
		Quidel, QuickVue Dipstick Strep A	5				
		Quidel, Sofia Strep A	2				
		SD Biosensor, Strep A Ag FIA	2				
		Sekisui Diagnostics, OSOM Strep A	132				
		Standard Diagnostics, SD Bioline Strep A	1				
		Ultimed, Strep A	2				
		Vitassay Healthcare, Strep A	1				
Nursing			257	-	-		93 %
	Negative		18	-	-		0 %
		Abbott, TestPack Plus Strep A with OBC	1				
		ABON, Strep A Rapid Test	1				
		Aidian (Orion Diagnostica), QuikRead go Strep A	9				
		Biosynex, Streptop A	2				
		Hangzhou Alltest Biotech, Strep A Rapid Test Cassette	1				
		Hangzhou Alltest Biotech, Strep A Rapid Test Dipstick	1				
		Healgen Scientific Strep A Rapid Test Cassette	1				
		Quidel, QuickVue + Strep A	1				
		Quidel, QuickVue Dipstick Strep A	1				
	Weak positive		23	-	-		100 %
		Abbott, TestPack Plus Strep A with OBC	1				
		Acro Biotech, Strep A Rapid Test	1				
		Biosynex, Streptop A	4				
		Hangzhou Alltest Biotech, Strep A Rapid Test Cassette	11				
		Hangzhou Alltest Biotech, Strep A Rapid Test Dipstick	3				
		Quidel, QuickVue Dipstick Strep A	1				
		Sekisui Diagnostics, OSOM Strep A	1				
		Ultimed, Strep A	1				
	Positive		216	-	-		100 %
		Abbott, TestPack Plus Strep A with OBC	6				
		Acro Biotech, Strep A Rapid Test	1				
		Aidian (Orion Diagnostica), QuikRead go Strep A	45				
		Alere/ Inverness, Clearview Exact Strep A Dipstick	2				
		ArcDia, mariPOC pharyn	1				
		ArcDia, mariPOC Quick StrepA	2				
		Biosynex, Streptop A	4				
		Dialab, Diaquick	1				
		Hangzhou Alltest Biotech, Strep A Rapid Test Cassette	30				
		Hangzhou Alltest Biotech, Strep A Rapid Test Dipstick	23				
		Innovacon, Acon InstAlert Strep A Rapid Test	1				
		INTERMED Strep-A-Test	1				
		Quidel, QuickVue + Strep A	2				
		Quidel, QuickVue Dipstick Strep A	20				
		Sekisui Diagnostics, OSOM Strep A	77				
Assisting personnel			3	-	-		100 %
	Positive		3	-	-		100 %
		Alere/ Inverness, Clearview Exact Strep A Dipstick	1				

		Biosynex, Streptop A		1					
		Sekisui Diagnostics, OSOM Strep A		1					
Doctor			1		-	-			100 %
	Positive		1		-				100 %
		Aidian (Orion Diagnostica), QuikRead go Strep A		1					
Other			2		-	-			100 %
	Positive		2		-				100 %
		Salofa, Strep A Blue Line		1					
		Sekisui Diagnostics, OSOM Strep A		1					
Total:			534		2	2	100 %	5.2 %	94.8 %

Result	Result count
Negative	28
Weak positive	28
<input checked="" type="radio"/> Positive	478
Total:	534

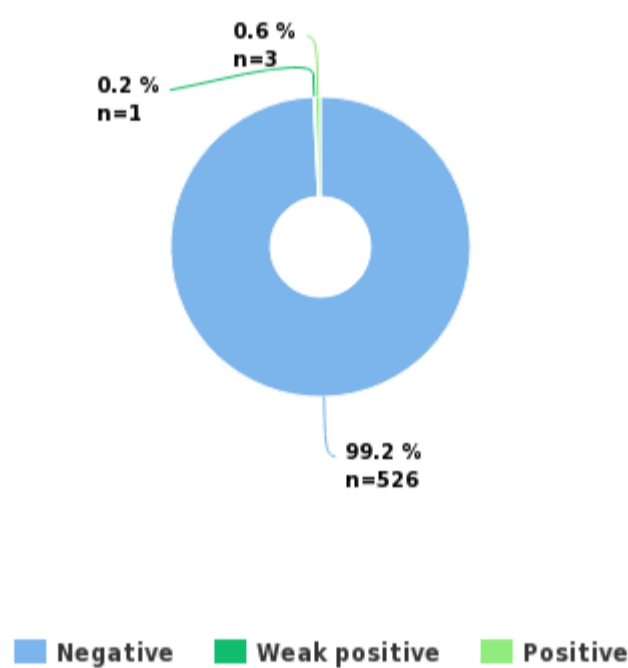
Sample S002

Sample S002 success rate



Sample S002 results	Responded	Own score	Max score	Own success rate	Difference	AVR success rate	Count
	Streptococcus A Ag	2	2	100 %	0.8 %	99.2 %	530
Total:		2	2	100 %	0.8 %	99.2 %	530

Sample S002 Streptococcus A Ag



STREPTOCOCCUS A AG

Profession	AVR success rate
Laboratory professional	99.6 %
Nursing	98.8 %
Assisting personnel	100 %
Doctor	100 %
Other	100 %
Total:	99.2 %

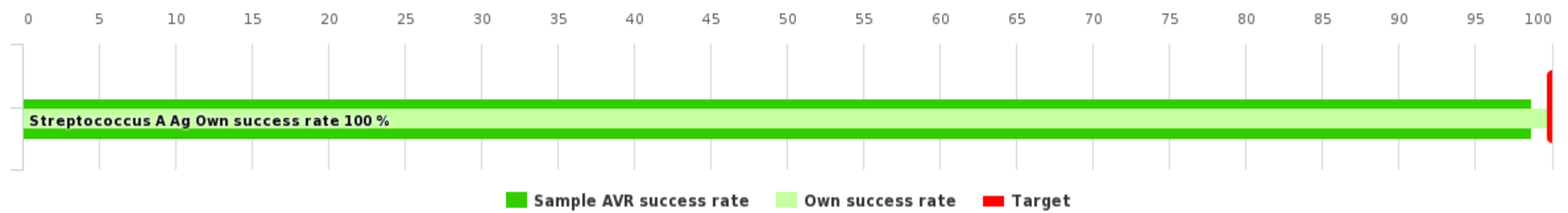
Profession	Result	Test kit	Result count	Test kit count	Own score	Max score	Own success rate	Difference	AVR success rate
Laboratory professional			271		2	2	100 %	0.4 %	99.6 %
	<input checked="" type="radio"/> Negative		270		2	2	100 %	0 %	100 %
		Abbott, TestPack Plus Strep A with OBC		1					
		Acro Biotech, Strep A Rapid Test		8					
		Aidian (Orion Diagnostica), QuikRead go Strep A		26					
		Alere/ Inverness, TestPack+Plus Strep A with OBC		1					
		ArcDia, mariPOC pharyn		13					
		ArcDia, mariPOC Quick StrepA		20					
		Biosynex, Exacto pro Streptatest		5					
		<input checked="" type="radio"/> Biosynex, Streptop A		6					
		CerTest Biotec, Strep A		4					
		CTK Biotech, Strep A Rapid Test		1					
		Cypress Diagnostics, Strep A		1					
		Hangzhou Alltest Biotech, Strep A Rapid Test Cassette		11					
		Hangzhou Alltest Biotech, Strep A Rapid Test Dipstick		14					
		INTERMED Strep-A-Test		3					

		Nal von Minden, Nadal Strep A		6					
		Quidel, QuickVue Dipstick Strep A		6					
		Quidel, Sofia Strep A		2					
		SD Biosensor, Strep A Ag FIA		2					
		Sekisui Diagnostics, OSOM Strep A		136					
		Standard Diagnostics, SD Bioline Strep A		1					
		Ultimed, Strep A		2					
		Vitassay Healthcare, Strep A		1					
	Positive		1		-				0 %
		Acro Biotech, Strep A Rapid Test		1					
Nursing			253		-	-			98.8 %
	Negative		250		-				100 %
		Abbott, TestPack Plus Strep A with OBC		7					
		ABON, Strep A Rapid Test		1					
		Acro Biotech, Strep A Rapid Test		1					
		Aidian (Orion Diagnostica), QuikRead go Strep A		52					
		Alere/ Inverness, Clearview Exact Strep A Dipstick		2					
		ArcDia, mariPOC pharyn		1					
		ArcDia, mariPOC Quick StrepA		2					
		Biosynex, Streptop A		10					
		CTK Biotech, Strep A Rapid Test		1					
		Dialab, Diaquick		1					
		Hangzhou Alltest Biotech, Strep A Rapid Test Cassette		42					
		Hangzhou Alltest Biotech, Strep A Rapid Test Dipstick		26					
		Innovacon, Acon InstAlert Strep A Rapid Test		1					
		INTERMED Strep-A-Test		1					
		Quidel, QuickVue + Strep A		3					
		Quidel, QuickVue Dipstick Strep A		22					
		Sekisui Diagnostics, OSOM Strep A		76					
		Ultimed, Strep A		1					
	Weak positive		1		-				0 %
		Sekisui Diagnostics, OSOM Strep A		1					
	Positive		2		-				0 %
		Aidian (Orion Diagnostica), QuikRead go Strep A		1					
		Sekisui Diagnostics, OSOM Strep A		1					
Assisting personnel			3		-	-			100 %
	Negative		3		-				100 %
		Alere/ Inverness, Clearview Exact Strep A Dipstick		1					
		Biosynex, Streptop A		1					
		Sekisui Diagnostics, OSOM Strep A		1					
Doctor			1		-	-			100 %
	Negative		1		-				100 %
		Aidian (Orion Diagnostica), QuikRead go Strep A		1					
Other			2		-	-			100 %
	Negative		2		-				100 %
		Salofa, Strep A Blue Line		1					
		Sekisui Diagnostics, OSOM Strep A		1					
Total:			530		2	2	100 %	0.8 %	99.2 %

Result	Result count
<input checked="" type="radio"/> Negative	526
Weak positive	1
Positive	3
Total:	530

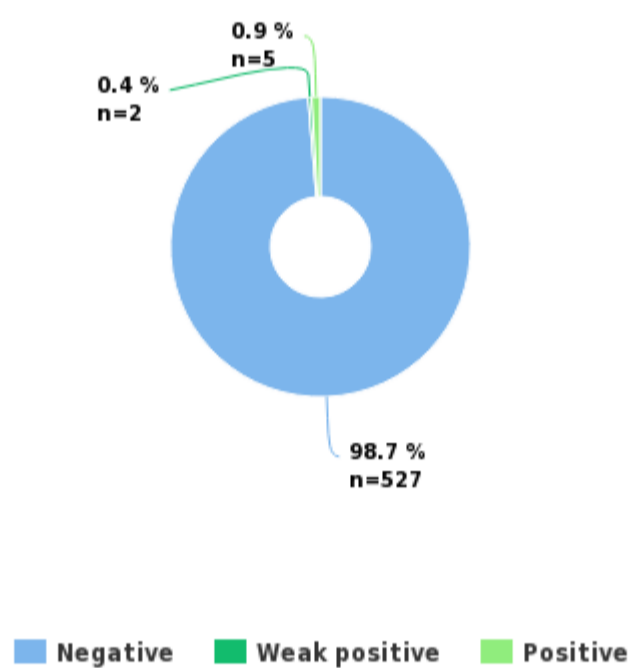
Sample S003

Sample S003 success rate



Sample S003 results	Responded	Own score	Max score	Own success rate	Difference	AVR success rate	Count
	Streptococcus A Ag	2	2	100 %	1.3 %	98.7 %	534
Total:		2	2	100 %	1.3 %	98.7 %	534

Sample S003 Streptococcus A Ag



STREPTOCOCCUS A AG

Profession	AVR success rate
Laboratory professional	99.3 %
Nursing	98 %
Assisting personnel	100 %
Doctor	100 %
Other	100 %
Total:	98.7 %

Profession	Result	Test kit	Result count	Test kit count	Own score	Max score	Own success rate	Difference	AVR success rate
Laboratory professional			274		2	2	100 %	0.7 %	99.3 %
	<input checked="" type="radio"/> Negative		272		2	2	100 %	0 %	100 %
		Abbott, TestPack Plus Strep A with OBC		1					
		Acro Biotech, Strep A Rapid Test		9					
		Aidian (Orion Diagnostica), QuikRead go Strep A		26					
		Alere/ Inverness, TestPack+Plus Strep A with OBC		1					
		ArcDia, mariPOC pharyn		13					
		ArcDia, mariPOC Quick StrepA		20					
		Biosynex, Exacto pro Streptatest		5					
		<input checked="" type="radio"/> Biosynex, Streptop A		6					
		CerTest Biotec, Strep A		4					
		CTK Biotech, Strep A Rapid Test		1					
		Cypress Diagnostics, Strep A		1					
		Hangzhou Alltest Biotech, Strep A Rapid Test Cassette		11					
		Hangzhou Alltest Biotech, Strep A Rapid Test Dipstick		14					
		INTERMED Strep-A-Test		2					

		Nal von Minden, Nadal Strep A		6					
		Quidel, QuickVue Dipstick Strep A		6					
		Quidel, Sofia Strep A		2					
		SD Biosensor, Strep A Ag FIA		2					
		Sekisui Diagnostics, OSOM Strep A		138					
		Standard Diagnostics, SD Bioline Strep A		1					
		Ultimed, Strep A		2					
		Vitassay Healthcare, Strep A		1					
	Weak positive		1		-				0 %
		INTERMED Strep-A-Test		1					
	Positive		1		-				0 %
		Biosynex, Streptop A		1					
Nursing			255		-	-			98 %
	Negative		250		-				100 %
		Abbott, TestPack Plus Strep A with OBC		8					
		ABON, Strep A Rapid Test		1					
		AccuBioTech, Accu-Tell Strep A Rapid Test		1					
		Acro Biotech, Strep A Rapid Test		1					
		Aidian (Orion Diagnostica), QuikRead go Strep A		52					
		Alere/ Inverness, Clearview Exact Strep A Dipstick		2					
		ArcDia, mariPOC pharyn		1					
		ArcDia, mariPOC Quick StrepA		2					
		Biosynex, Streptop A		9					
		Dialab, Diaquick		1					
		Hangzhou Alltest Biotech, Strep A Rapid Test Cassette		41					
		Hangzhou Alltest Biotech, Strep A Rapid Test Dipstick		27					
		Innovacon, Acon InstAlert Strep A Rapid Test		1					
		INTERMED Strep-A-Test		1					
		Quidel, QuickVue + Strep A		3					
		Quidel, QuickVue Dipstick Strep A		21					
		Sekisui Diagnostics, OSOM Strep A		77					
		Ultimed, Strep A		1					
	Weak positive		1		-				0 %
		Hangzhou Alltest Biotech, Strep A Rapid Test Cassette		1					
	Positive		4		-				0 %
		Aidian (Orion Diagnostica), QuikRead go Strep A		2					
		Quidel, QuickVue Dipstick Strep A		1					
		Sekisui Diagnostics, OSOM Strep A		1					
Assisting personnel			2		-	-			100 %
	Negative		2		-				100 %
		Alere/ Inverness, Clearview Exact Strep A Dipstick		1					
		Sekisui Diagnostics, OSOM Strep A		1					
Doctor			1		-	-			100 %
	Negative		1		-				100 %
		Aidian (Orion Diagnostica), QuikRead go Strep A		1					
Other			2		-	-			100 %
	Negative		2		-				100 %
		Salofa, Strep A Blue Line		1					
		Sekisui Diagnostics, OSOM Strep A		1					
Total:			534		2	2	100 %	1.3 %	98.7 %

Result	Result count
<input checked="" type="radio"/> Negative	527
Weak positive	2
Positive	5
Total:	534

Report Info

PARTICIPANTS

Altogether 537 laboratories from 16 countries participated in this EQA round.

REPORT INFO

The results are divided into groups according to the profession and 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 results are shown in pie diagrams as percentages and the total 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."

For information on report interpretation and performance evaluation, please see the "EQAS Interpretation guidelines" in LabScala User instructions. In case you have any questions regarding the reports, please contact the EQA Coordinator.

SCORING

The round is scored based on test results when 60% or more of the participants report the expected result. The following general rules are applied:

Correct/expected test result 2/2 points
Deviating positive/negative 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. The success rate for the entire round (AVR success rate) is calculated from the total number of scores given to the results per sample (all scores/maximum scores*100). The AVG success rate of the entire round is the average of the sample success rates. The difference in the Laboratory's Own success rate (%) to the corresponding numbers for the entire round is shown in the table.

REVIEW YOUR RESULTS

Always compare your results to those obtained with the same test kit. For various reasons results obtained using other methods may not be comparable to your results. If the concentration of the specimen (informed in the Final report) in question is higher than the sensitivity of the test kit you use, a positive result is expected. The sensitivity of the test kits can be checked from the manufacturer's information. If you got a false negative result, check how other units using same test have managed. If you are the only or nearly the only one who got the wrong result, check your analysis procedures with those involved in the process in your unit. If your results are wrong repeatedly, the reason(s) underlying poor performance should be identified and corrective actions implemented.

If all or most units got false negative results, the sensitivity of your kit may not be sufficient for accurate analysis. For instance, the concentration of specimen in question may be too low to be detected with this kit. In such cases, a false negative result is the expected result with the test kit.

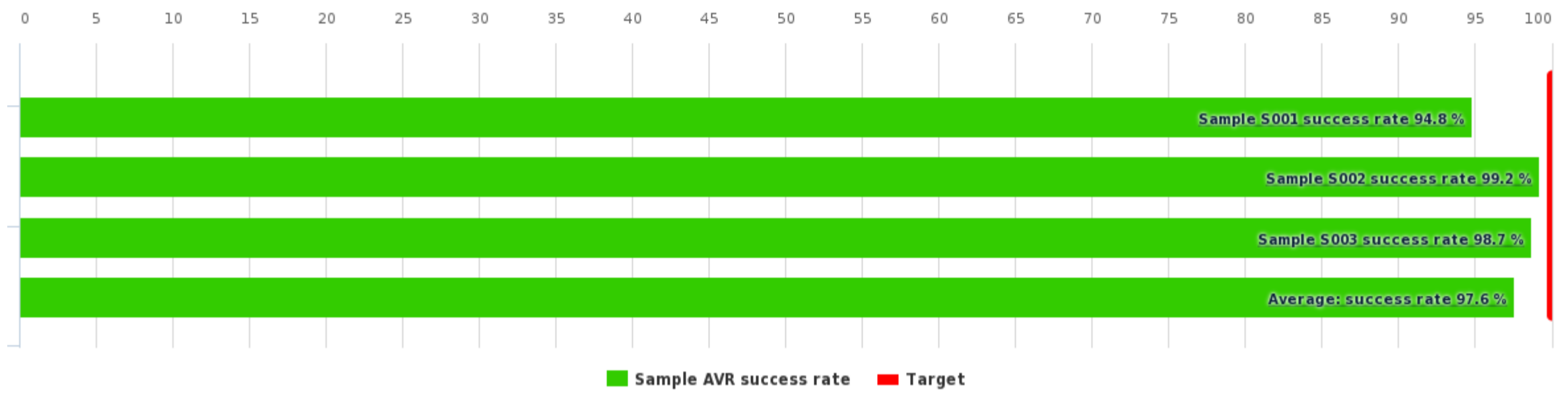
For information on report interpretation and performance evaluation, please see the "EQAS Interpretation guidelines" in LabScala User instructions (top right corner ?Help link).

GLOBAL REPORT

	No of participants	No of responded participants	Response percentage
Streptococcus pyogenes (Group A), antigen detection in pharyngeal sample, March, 1-2023	537	491	91.4 %

Summary

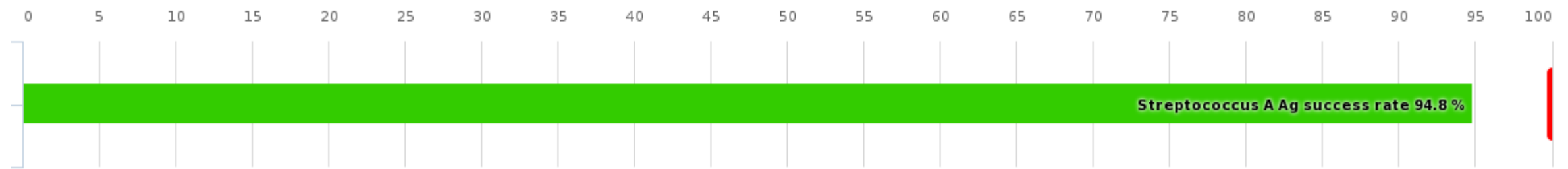
Overall success rate by samples



Summary	Profession	AVR success rate
Sample S001		94.8 %
	Laboratory professional	96.3 %
	Nursing	93 %
	Assisting personnel	100 %
	Doctor	100 %
Sample S002	Other	100 %
		99.2 %
	Laboratory professional	99.6 %
	Nursing	98.8 %
	Assisting personnel	100 %
Sample S003	Doctor	100 %
	Other	100 %
		98.7 %
	Laboratory professional	99.3 %
	Nursing	98 %
Average:	Assisting personnel	100 %
	Doctor	100 %
	Other	100 %
		97.6 %

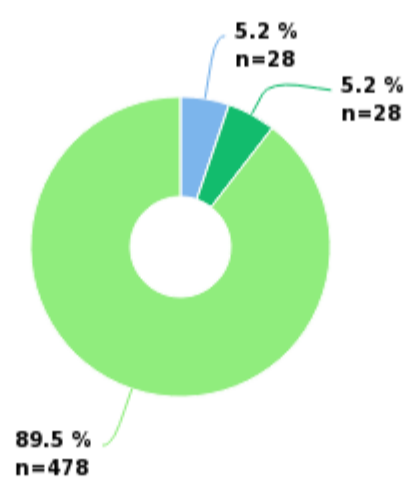
Sample S001

Sample S001 success rate



Sample S001 results	Responded	AVR success rate	Count
	Streptococcus A Ag	94.8 %	534
	Total:	94.8 %	534

Sample S001 Streptococcus A Ag



■ Negative
 ■ Weak positive
 ■ Positive

STREPTOCOCCUS A AG

Profession	AVR success rate
Laboratory professional	96.3 %
Nursing	93 %
Assisting personnel	100 %
Doctor	100 %
Other	100 %
Total:	94.8 %

Profession	Result	Test kit	Result count	Test kit count	AVR success rate	Result Score
Laboratory professional	Negative		271		96.3 %	
			10		0 %	0
		Acro Biotech, Strep A Rapid Test		1		
		Aidian (Orion Diagnostica), QuikRead go Strep A		3		
		Biosynex, Exacto pro Streptatest		1		
		CerTest Biotec, Strep A		1		
		Hangzhou Alltest Biotech, Strep A Rapid Test Cassette		2		
		Sekisui Diagnostics, OSOM Strep A		2		
	Weak positive		5		100 %	2
		Acro Biotech, Strep A Rapid Test		1		
		INTERMED Strep-A-Test		1		
		Nal von Minden, Nadal Strep A		1		
		Sekisui Diagnostics, OSOM Strep A		2		
	Positive		256		100 %	2
		Abbott, TestPack Plus Strep A with OBC		1		
		Acro Biotech, Strep A Rapid Test		7		
		Aidian (Orion Diagnostica), QuikRead go Strep A		23		
		Alere/ Inverness, TestPack+Plus Strep A with OBC		1		
		ArcDia, mariPOC pharyn		13		

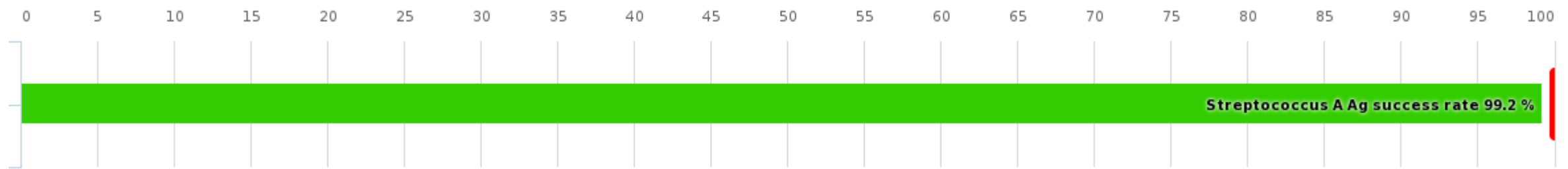
		ArcDia, mariPOC Quick StrepA		20		
		Biosynex, Exacto pro Streptatest		4		
		Biosynex, Streptop A		6		
		CerTest Biotec, Strep A		3		
		CTK Biotech, Strep A Rapid Test		1		
		Cypress Diagnostics, Strep A		1		
		Hangzhou Alltest Biotech, Strep A Rapid Test Cassette		9		
		Hangzhou Alltest Biotech, Strep A Rapid Test Dipstick		14		
		INTERMED Strep-A-Test		2		
		Nal von Minden, Nadal Strep A		5		
		Quidel, QuickVue + Strep A		1		
		Quidel, QuickVue Dipstick Strep A		5		
		Quidel, Sofia Strep A		2		
		SD Biosensor, Strep A Ag FIA		2		
		Sekisui Diagnostics, OSOM Strep A		132		
		Standard Diagnostics, SD Bioline Strep A		1		
		Ultimed, Strep A		2		
		Vitassay Healthcare, Strep A		1		
Nursing			257		93 %	
	Negative		18		0 %	0
		Abbott, TestPack Plus Strep A with OBC		1		
		ABON, Strep A Rapid Test		1		
		Aidian (Orion Diagnostica), QuikRead go Strep A		9		
		Biosynex, Streptop A		2		
		Hangzhou Alltest Biotech, Strep A Rapid Test Cassette		1		
		Hangzhou Alltest Biotech, Strep A Rapid Test Dipstick		1		
		Healgen Scientific Strep A Rapid Test Cassette		1		
		Quidel, QuickVue + Strep A		1		
		Quidel, QuickVue Dipstick Strep A		1		
	Weak positive		23		100 %	2
		Abbott, TestPack Plus Strep A with OBC		1		
		Acro Biotech, Strep A Rapid Test		1		
		Biosynex, Streptop A		4		
		Hangzhou Alltest Biotech, Strep A Rapid Test Cassette		11		
		Hangzhou Alltest Biotech, Strep A Rapid Test Dipstick		3		
		Quidel, QuickVue Dipstick Strep A		1		
		Sekisui Diagnostics, OSOM Strep A		1		
		Ultimed, Strep A		1		
	Positive		216		100 %	2
		Abbott, TestPack Plus Strep A with OBC		6		
		Acro Biotech, Strep A Rapid Test		1		
		Aidian (Orion Diagnostica), QuikRead go Strep A		45		
		Alere/ Inverness, Clearview Exact Strep A Dipstick		2		
		ArcDia, mariPOC pharyn		1		
		ArcDia, mariPOC Quick StrepA		2		
		Biosynex, Streptop A		4		
		Dialab, Diaquick		1		
		Hangzhou Alltest Biotech, Strep A Rapid Test Cassette		30		
		Hangzhou Alltest Biotech, Strep A Rapid Test Dipstick		23		
		Innovacon, Acon InstAlert Strep A Rapid Test		1		
		INTERMED Strep-A-Test		1		
		Quidel, QuickVue + Strep A		2		
		Quidel, QuickVue Dipstick Strep A		20		
		Sekisui Diagnostics, OSOM Strep A		77		
Assisting personnel			3		100 %	
	Positive		3		100 %	2
		Alere/ Inverness, Clearview Exact Strep A Dipstick		1		
		Biosynex, Streptop A		1		
		Sekisui Diagnostics, OSOM Strep A		1		
Doctor			1		100 %	
	Positive		1		100 %	2
		Aidian (Orion Diagnostica), QuikRead go Strep A		1		
Other			2		100 %	
	Positive		2		100 %	2
		Salofa, Strep A Blue Line		1		

		Sekisui Diagnostics, OSOM Strep A		1	
Total:			534		94.8 %

Result	Result count
Negative	28
Weak positive	28
Positive	478
Total:	534

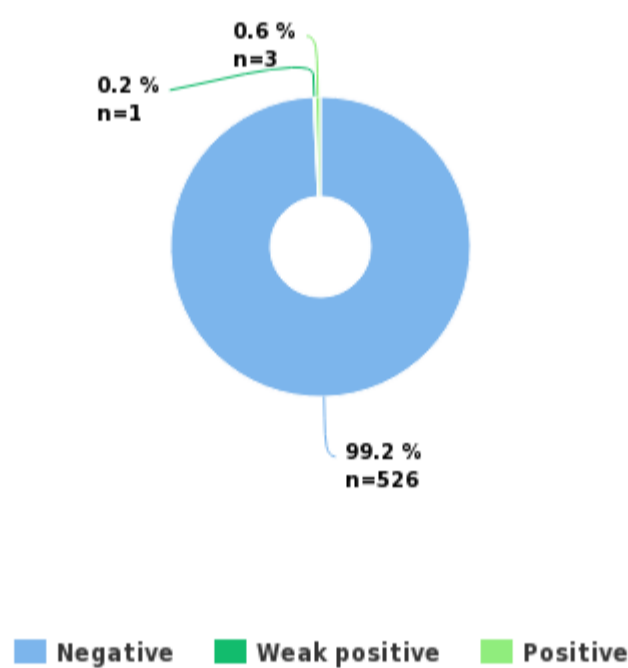
Sample S002

Sample S002 success rate



Sample S002 results	Responded	AVR success rate	Count
	Streptococcus A Ag	99.2 %	530
Total:		99.2 %	530

Sample S002 Streptococcus A Ag



STREPTOCOCCUS A AG

Profession	AVR success rate
Laboratory professional	99.6 %
Nursing	98.8 %
Assisting personnel	100 %
Doctor	100 %
Other	100 %
Total:	99.2 %

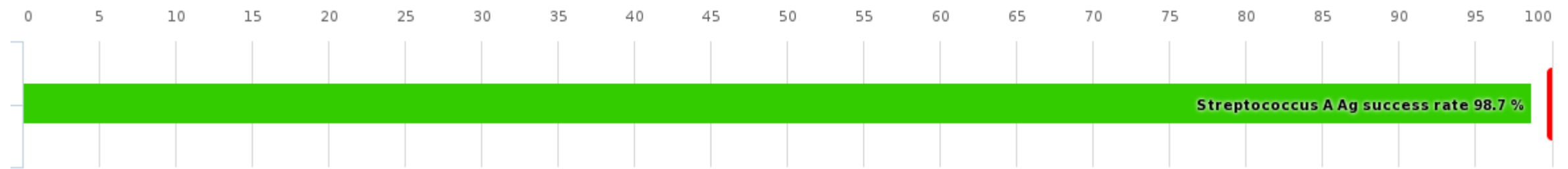
Profession	Result	Test kit	Result count	Test kit count	AVR success rate	Result Score
Laboratory professional			271		99.6 %	
	Negative		270		100 %	2
		Abbott, TestPack Plus Strep A with OBC		1		
		Acro Biotech, Strep A Rapid Test		8		
		Aidian (Orion Diagnostica), QuikRead go Strep A		26		
		Alere/ Inverness, TestPack+Plus Strep A with OBC		1		
		ArcDia, mariPOC pharyn		13		
		ArcDia, mariPOC Quick StrepA		20		
		Biosynex, Exacto pro Streptatest		5		
		Biosynex, Streptop A		6		
		CerTest Biotec, Strep A		4		
		CTK Biotech, Strep A Rapid Test		1		
		Cypress Diagnostics, Strep A		1		
		Hangzhou Alltest Biotech, Strep A Rapid Test Cassette		11		
		Hangzhou Alltest Biotech, Strep A Rapid Test Dipstick		14		
		INTERMED Strep-A-Test		3		
		Nal von Minden, Nadal Strep A		6		
		Quidel, QuickVue Dipstick Strep A		6		
		Quidel, Sofia Strep A		2		

		SD Biosensor, Strep A Ag FIA		2		
		Sekisui Diagnostics, OSOM Strep A		136		
		Standard Diagnostics, SD Bioline Strep A		1		
		Ultimed, Strep A		2		
		Vitassay Healthcare, Strep A		1		
	Positive		1		0 %	0
		Acro Biotech, Strep A Rapid Test		1		
Nursing			253		98.8 %	
	Negative		250		100 %	2
		Abbott, TestPack Plus Strep A with OBC		7		
		ABON, Strep A Rapid Test		1		
		Acro Biotech, Strep A Rapid Test		1		
		Aidian (Orion Diagnostica), QuikRead go Strep A		52		
		Alere/ Inverness, Clearview Exact Strep A Dipstick		2		
		ArcDia, mariPOC pharyn		1		
		ArcDia, mariPOC Quick StrepA		2		
		Biosynex, Streptop A		10		
		CTK Biotech, Strep A Rapid Test		1		
		Dialab, Diaquick		1		
		Hangzhou Alltest Biotech, Strep A Rapid Test Cassette		42		
		Hangzhou Alltest Biotech, Strep A Rapid Test Dipstick		26		
		Innovacon, Acon InstAlert Strep A Rapid Test		1		
		INTERMED Strep-A-Test		1		
		Quidel, QuickVue + Strep A		3		
		Quidel, QuickVue Dipstick Strep A		22		
		Sekisui Diagnostics, OSOM Strep A		76		
		Ultimed, Strep A		1		
	Weak positive		1		0 %	0
		Sekisui Diagnostics, OSOM Strep A		1		
	Positive		2		0 %	0
		Aidian (Orion Diagnostica), QuikRead go Strep A		1		
		Sekisui Diagnostics, OSOM Strep A		1		
Assisting personnel			3		100 %	
	Negative		3		100 %	2
		Alere/ Inverness, Clearview Exact Strep A Dipstick		1		
		Biosynex, Streptop A		1		
		Sekisui Diagnostics, OSOM Strep A		1		
Doctor			1		100 %	
	Negative		1		100 %	2
		Aidian (Orion Diagnostica), QuikRead go Strep A		1		
Other			2		100 %	
	Negative		2		100 %	2
		Salofa, Strep A Blue Line		1		
		Sekisui Diagnostics, OSOM Strep A		1		
Total:			530		99.2 %	

Result	Result count
Negative	526
Weak positive	1
Positive	3
Total:	530

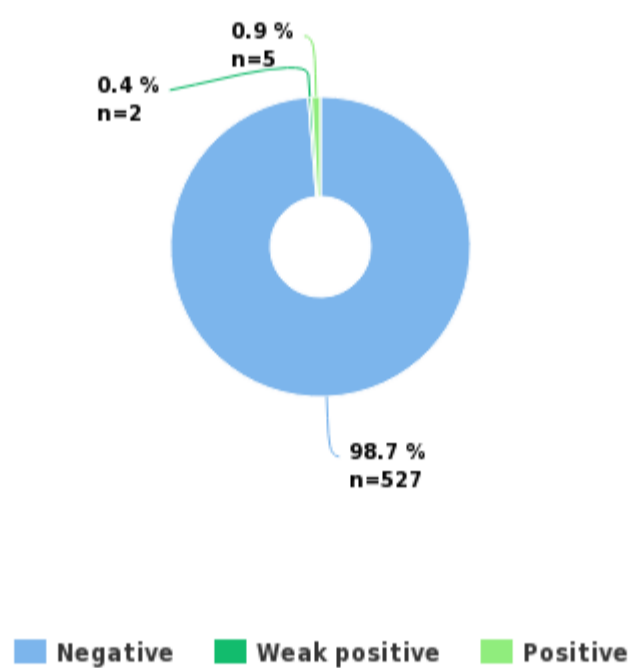
Sample S003

Sample S003 success rate



Sample S003 results	Responded	AVR success rate	Count
	Streptococcus A Ag	98.7 %	534
Total:		98.7 %	534

Sample S003 Streptococcus A Ag



STREPTOCOCCUS A AG

Profession	AVR success rate
Laboratory professional	99.3 %
Nursing	98 %
Assisting personnel	100 %
Doctor	100 %
Other	100 %
Total:	98.7 %

Profession	Result	Test kit	Result count	Test kit count	AVR success rate	Result Score
Laboratory professional			274		99.3 %	
	Negative		272		100 %	2
		Abbott, TestPack Plus Strep A with OBC		1		
		Acro Biotech, Strep A Rapid Test		9		
		Aidian (Orion Diagnostica), QuikRead go Strep A		26		
		Alere/ Inverness, TestPack+Plus Strep A with OBC		1		
		ArcDia, mariPOC pharyn		13		
		ArcDia, mariPOC Quick StrepA		20		
		Biosynex, Exacto pro Streptatest		5		
		Biosynex, Streptop A		6		
		CerTest Biotec, Strep A		4		
		CTK Biotech, Strep A Rapid Test		1		
		Cypress Diagnostics, Strep A		1		
		Hangzhou Alltest Biotech, Strep A Rapid Test Cassette		11		
		Hangzhou Alltest Biotech, Strep A Rapid Test Dipstick		14		
		INTERMED Strep-A-Test		2		
		Nal von Minden, Nadal Strep A		6		
		Quidel, QuickVue Dipstick Strep A		6		
		Quidel, Sofia Strep A		2		

		SD Biosensor, Strep A Ag FIA		2		
		Sekisui Diagnostics, OSOM Strep A		138		
		Standard Diagnostics, SD Bioline Strep A		1		
		Ultimed, Strep A		2		
		Vitassay Healthcare, Strep A		1		
	Weak positive		1		0 %	0
		INTERMED Strep-A-Test		1		
	Positive		1		0 %	0
		Biosynex, Streptop A		1		
Nursing			255		98 %	
	Negative		250		100 %	2
		Abbott, TestPack Plus Strep A with OBC		8		
		ABON, Strep A Rapid Test		1		
		AccuBioTech, Accu-Tell Strep A Rapid Test		1		
		Acro Biotech, Strep A Rapid Test		1		
		Aidian (Orion Diagnostica), QuikRead go Strep A		52		
		Alere/ Inverness, Clearview Exact Strep A Dipstick		2		
		ArcDia, mariPOC pharyn		1		
		ArcDia, mariPOC Quick StrepA		2		
		Biosynex, Streptop A		9		
		Dialab, Diaquick		1		
		Hangzhou Alltest Biotech, Strep A Rapid Test Cassette		41		
		Hangzhou Alltest Biotech, Strep A Rapid Test Dipstick		27		
		Innovacon, Acon InstAlert Strep A Rapid Test		1		
		INTERMED Strep-A-Test		1		
		Quidel, QuickVue + Strep A		3		
		Quidel, QuickVue Dipstick Strep A		21		
		Sekisui Diagnostics, OSOM Strep A		77		
		Ultimed, Strep A		1		
	Weak positive		1		0 %	0
		Hangzhou Alltest Biotech, Strep A Rapid Test Cassette		1		
	Positive		4		0 %	0
		Aidian (Orion Diagnostica), QuikRead go Strep A		2		
		Quidel, QuickVue Dipstick Strep A		1		
		Sekisui Diagnostics, OSOM Strep A		1		
Assisting personnel			2		100 %	
	Negative		2		100 %	2
		Alere/ Inverness, Clearview Exact Strep A Dipstick		1		
		Sekisui Diagnostics, OSOM Strep A		1		
Doctor			1		100 %	
	Negative		1		100 %	2
		Aidian (Orion Diagnostica), QuikRead go Strep A		1		
Other			2		100 %	
	Negative		2		100 %	2
		Salofa, Strep A Blue Line		1		
		Sekisui Diagnostics, OSOM Strep A		1		
Total:			534		98.7 %	

Result	Result count
Negative	527
Weak positive	2
Positive	5
Total:	534

Report Info

PARTICIPANTS

Altogether 537 laboratories from 16 countries participated in this EQA round.

REPORT INFO

The results are divided into groups according to the profession and 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 results are shown in pie diagrams as percentages and the total 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."

For information on report interpretation and performance evaluation, please see the "EQAS Interpretation guidelines" in LabScala User instructions. In case you have any questions regarding the reports, please contact the EQA Coordinator.

SCORING

The round is scored based on test results when 60% or more of the participants report the expected result. The following general rules are applied:

Correct/expected test result 2/2 points
Deviating positive/negative 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. The success rate for the entire round (AVR success rate) is calculated from the total number of scores given to the results per sample (all scores/maximum scores*100). The AVG success rate of the entire round is the average of the sample success rates. The difference in the Laboratory's Own success rate (%) to the corresponding numbers for the entire round is shown in the table.

REVIEW YOUR RESULTS

Always compare your results to those obtained with the same test kit. For various reasons results obtained using other methods may not be comparable to your results. If the concentration of the specimen (informed in the Final report) in question is higher than the sensitivity of the test kit you use, a positive result is expected. The sensitivity of the test kits can be checked from the manufacturer's information. If you got a false negative result, check how other units using same test have managed. If you are the only or nearly the only one who got the wrong result, check your analysis procedures with those involved in the process in your unit. If your results are wrong repeatedly, the reason(s) underlying poor performance should be identified and corrective actions implemented.

If all or most units got false negative results, the sensitivity of your kit may not be sufficient for accurate analysis. For instance, the concentration of specimen in question may be too low to be detected with this kit. In such cases, a false negative result is the expected result with the test kit.

For information on report interpretation and performance evaluation, please see the "EQAS Interpretation guidelines" in LabScala User instructions (top right corner ?Help link).

External Quality Assessment Scheme

***Streptococcus pyogenes* (Group A), antigen detection in pharyngeal sample (5595)**

***Streptococcus pyogenes* (Group A), nucleic acid detection in pharyngeal sample (5593)**

Round 1, 2023

Specimens

Samples of this EQA round were simulated liquid pharyngeal samples. The sample lots were tested in the scheme expert's laboratory and the results were consistent with the certificates provided by the sample manufacturer. Based on the quality controls conducted by the sample material manufacturer, pre-testing 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:

Antigen detection:

Sample S001 (LQ761323011) Positive/Weak positive
Sample S002 (LQ761323012) Negative
Sample S003 (LQ761323013) Negative

Nucleic acid detection:

Sample S001 (LQ761323011) Positive
Sample S002 (LQ761323012) Negative
Sample S003 (LQ761323013) Negative

Pretest methods: QuikRead go Strep A (Aidian/Orion Diagnostica) and QuickVue Dipstick Strep A (Quidel) (antigen tests) and ID NOW Strep A2 (Abbott) (nucleic acid detection test).

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 – Expert

In this round sample S001 was positive or weak positive containing group A streptococcus suspension approx. 10^6 bacteria/mL and samples S002 and S003 were negative containing group G streptococcus suspension approx. 10^7 bacteria/mL.

Antigen detection

Of laboratory professionals 96.3 % reported the sample S001 correctly as positive or weak positive. Of the laboratory professionals 99.6 % and 99.3 % reported samples S002 and S003 correctly as negative. Exactly 93 % of the nursing professionals reported sample S001 correctly as positive or weak positive. Of the nursing professionals 98.8 % and 98.0 % reported samples S002 and S003 (respectively) correctly as negative. During this round the results concerning negative samples were excellent. Positive sample seemed again to be more challenging than negative samples.

A few false positive or false negative results were again reported. They were probably due to a false interpretation of the test or mixing up samples.

2023-04-11

FINAL REPORT

Product no. 5595, 5593

Subcontracting: Sample pretesting

Samples sent	2023-03-06
Round closed	2023-03-24
Expected results	2023-03-29
Final report	2023-04-11

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

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Nucleic acid detection

All nine (9) participants using nucleic acid tests reported sample S001 correctly as positive and samples S002 and S003 correctly as negative.

Exceptions in scoring

No exceptions.

End of report

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