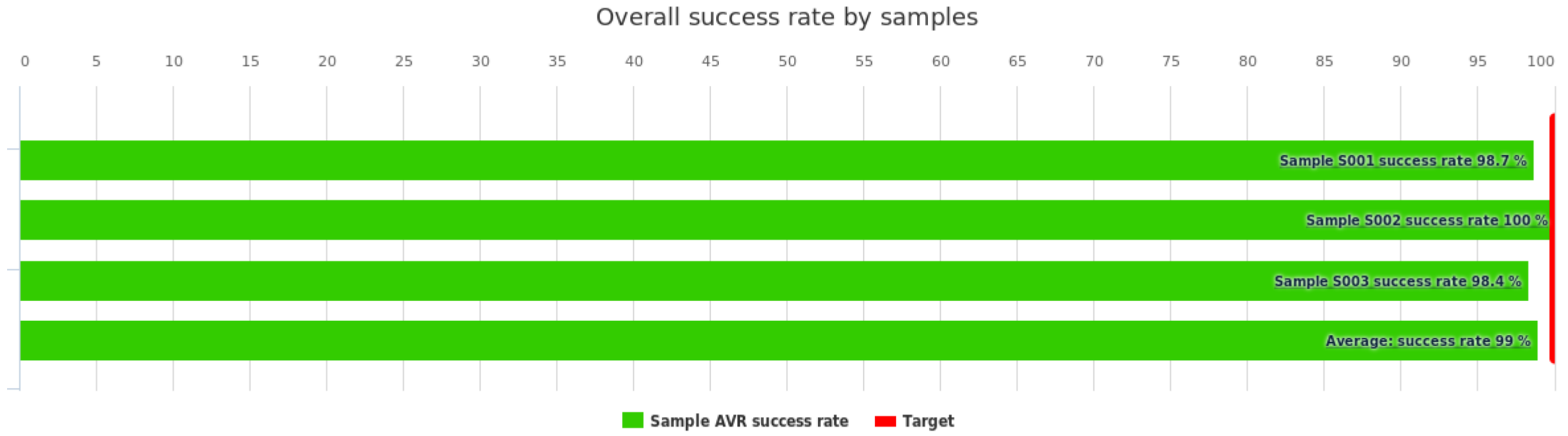


GLOBAL REPORT

	No of participants	No of responded participants	Response percentage
SARS-CoV-2, antibodies, January, 1-2024	42	37	88.1 %

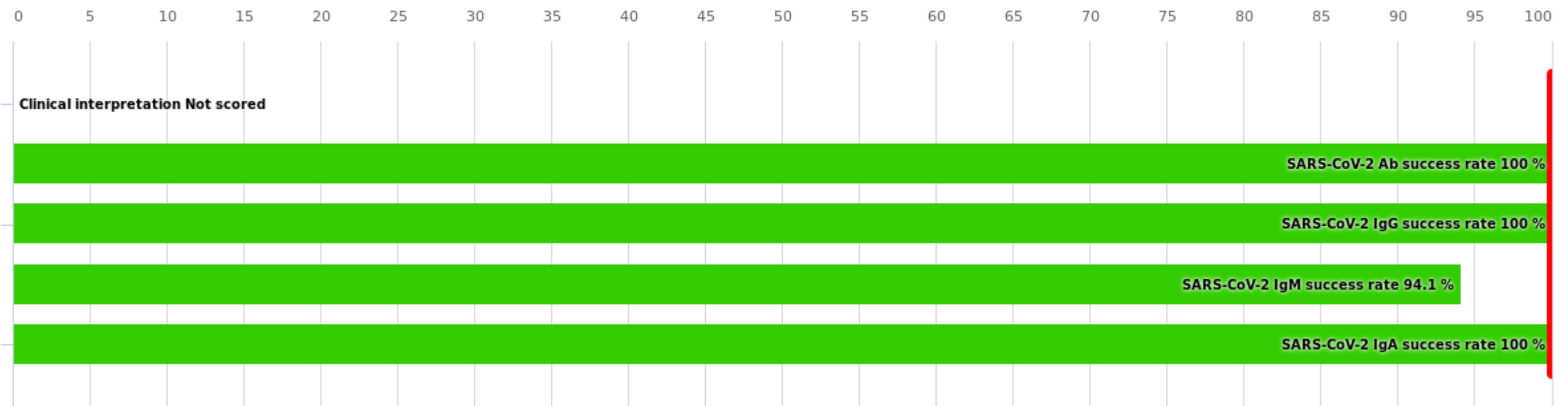
Summary



Summary	AVR success rate
Sample S001	98.7 %
Sample S002	100 %
Sample S003	98.4 %
Average:	99 %

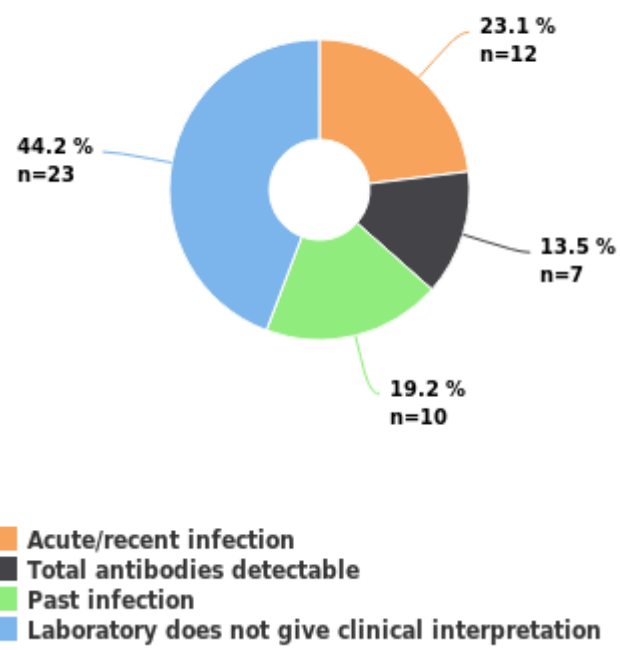
Sample S001

Sample S001 success rate



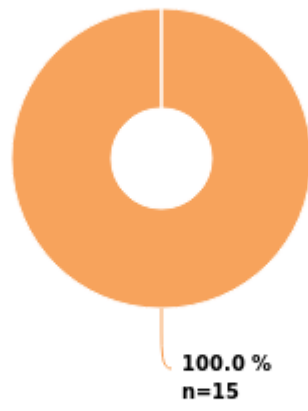
Sample S001 results	Responded	AVR success rate	Count
	Clinical interpretation	-	52
	SARS-CoV-2 Ab	100 %	15
	SARS-CoV-2 IgG	100 %	40
	SARS-CoV-2 IgM	94.1 %	17
	SARS-CoV-2 IgA	100 %	6
	Total:	98.7 %	130

Sample S001 Clinical interpretation



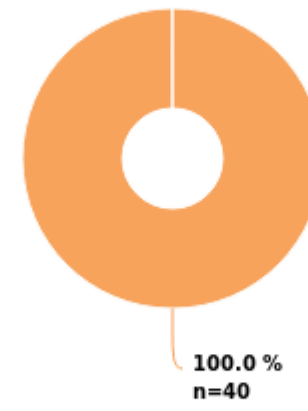
Clinical interpretation	Interpretation	Interpretation count	AVR success rate	Interpretation Score
	Acute/recent infection	12	-	-
	Total antibodies detectable	7	-	-
	Past infection	10	-	-
	Laboratory does not give clinical interpretation	23	-	-
	Total:	52		

Sample S001 SARS-CoV-2 Ab



Positive

Sample S001 SARS-CoV-2 IgG



Positive

Sample S001 SARS-CoV-2 IgM



Negative Positive

Sample S001 SARS-CoV-2 IgA



Positive

SARS-CoV-2 Ab	Interpretation	Test kit	Interpretation count	Test kit count	AVR success rate	Interpretation Score
	Positive		15		100 %	2
		Euroimmun SARS-CoV-2 NeutraLISA		1		
		Roche Elecsys Anti-SARS-CoV-2		7		
		Roche Elecsys Anti-SARS-CoV-2 S		7		
	Total:		15		100 %	

SARS-CoV-2 IgG	Interpretation	Test kit	Interpretation count	Test kit count	AVR success rate	Interpretation Score
	Positive		40		100 %	2
		Abbott Alinity i SARS-CoV-2 IgG		6		
		Abbott Alinity i SARS-CoV-2 IgG II Quant		4		
		Abbott ARCHITECT SARS-CoV-2 IgG II Quant		5		
		Abbott ARCHITECT SARS-CoV-2 IgG		1		
		Beckman Coulter Access SARS CoV-2 IgG (1st IS)		1		
		bioMérieux VIDAS SARS-CoV-2 IgG		1		
		DiaSorin LIAISON SARS-CoV-2 TrimericS IgG assay		8		
		DiaSorin LIAISON SARS-CoV-2 S1/S2 IgG		1		
		Ekvittestlab EQUI SARS-CoV-2 IgG		1		
		Epitope Diagnostics EDI Novel Coronavirus COVID-19 IgG ELISA		1		
		EUROIMMUN Anti-SARS-CoV-2 NCP ELISA (IgG)		1		
		EUROIMMUN Anti-SARS-CoV-2 QuantiVac ELISA (IgG)		2		
		EUROIMMUN Coronavirus Profile EUROLINE (IgG)		1		
		In-house FMIA SARS-CoV-2 N, RBD, SFL IgG		3		
		Siemens Atellica SARS-COV-2 IgG		1		
		TestLine CLIA COVID-19 RBD IgG		1		
		TestLine EIA COVID-19 RBD IgG		1		

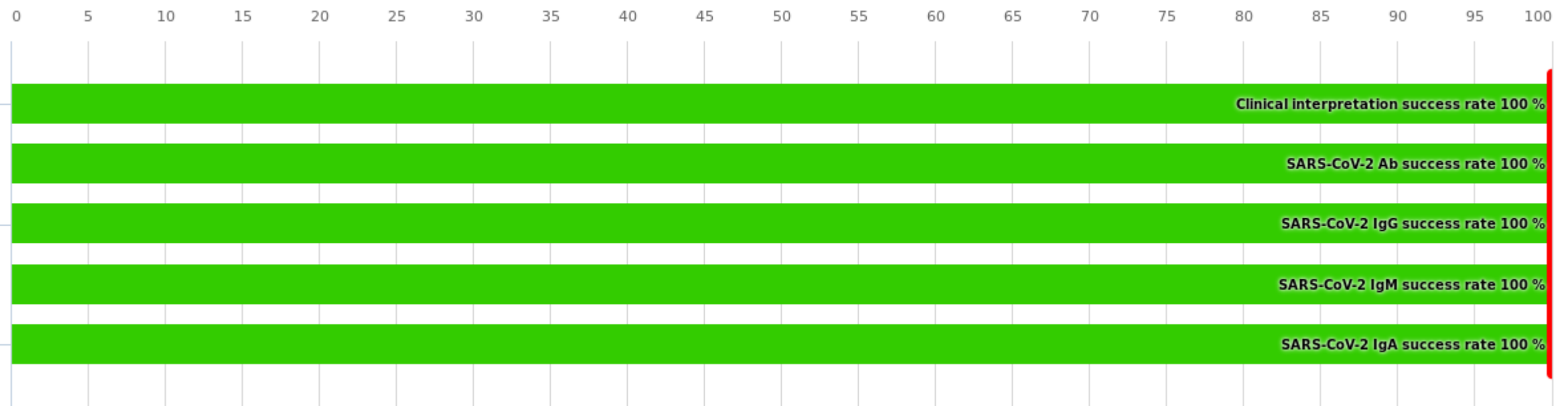
		TestLine Microblot-Array COVID-19 IgG		1		
	Total:		40		100 %	

SARS-CoV-2 IgM	Interpretation	Test kit	Interpretation count	Test kit count	AVR success rate	Interpretation Score
	Negative		1		0 %	0
		Epitope Diagnostics EDI Novel Coronavirus COVID-19 IgM ELISA		1		
	Positive		16		100 %	2
		Abbott Alinity i SARS-CoV-2 IgM		4		
		Abbott ARCHITECT SARS-CoV-2 IgM		2		
		DiaSorin LIAISON SARS-CoV-2 IgM		4		
		Ekvitec lab EQUI SARS-CoV-2 IgM		1		
		EUROIMMUN Anti-SARS-CoV-2 NCP ELISA (IgM)		2		
		TestLine CLIA COVID-19 RBD IgM		1		
		TestLine EIA COVID-19 RBD IgM		1		
		TestLine Microblot-Array COVID-19 IgM		1		
	Total:		17		94.1 %	

SARS-CoV-2 IgA	Interpretation	Test kit	Interpretation count	Test kit count	AVR success rate	Interpretation Score
	Positive		6		100 %	2
		Ekvitec lab EQUI SARS-CoV-2 IgA		1		
		EUROIMMUN Anti-SARS-CoV-2 ELISA IgA		2		
		TestLine CLIA COVID-19 RBD IgA		1		
		TestLine EIA COVID-19 RBD IgA		1		
		TestLine Microblot-Array COVID-19 IgA		1		
	Total:		6		100 %	

Sample S002

Sample S002 success rate



Sample S002 results	Responded	AVR success rate	Count
	Clinical interpretation	100 %	52
	SARS-CoV-2 Ab	100 %	15
	SARS-CoV-2 IgG	100 %	40
	SARS-CoV-2 IgM	100 %	17
	SARS-CoV-2 IgA	100 %	6
	Total:	100 %	130

Sample S002 Clinical interpretation



■ No detectable antibodies
■ Laboratory does not give clinical interpretation

Clinical interpretation	Interpretation	Interpretation count	AVR success rate	Interpretation Score
	No detectable antibodies	30	100 %	4
	Laboratory does not give clinical interpretation	22	-	-
	Total:	52	100 %	

Sample S002 SARS-CoV-2 Ab



■ Negative

Sample S002 SARS-CoV-2 IgG



■ Negative

Sample S002 SARS-CoV-2 IgM



■ Negative

Sample S002 SARS-CoV-2 IgA



■ Negative

SARS-CoV-2 Ab	Interpretation	Test kit	Interpretation count	Test kit count	AVR success rate	Interpretation Score
	Negative		15		100 %	2
		Euroimmun SARS-CoV-2 NeutraLISA		1		
		Roche Elecsys Anti-SARS-CoV-2		7		
		Roche Elecsys Anti-SARS-CoV-2 S		7		
	Total:		15		100 %	

SARS-CoV-2 IgG	Interpretation	Test kit	Interpretation count	Test kit count	AVR success rate	Interpretation Score
	Negative		40		100 %	2
		Abbott Alinity i SARS-CoV-2 IgG		4		
		Abbott Alinity i SARS-CoV-2 IgG II Quant		8		
		Abbott ARCHITECT SARS-CoV-2 IgG II Quant		4		
		Abbott ARCHITECT SARS-CoV-2 IgG		1		
		Beckman Coulter Access SARS CoV-2 IgG (1st IS)		1		
		bioMérieux VIDAS SARS-CoV-2 IgG		1		
		DiaSorin LIAISON SARS-CoV-2 TrimericS IgG assay		7		
		DiaSorin LIAISON SARS-CoV-2 S1/S2 IgG		1		
		Ekvitec lab EQUI SARS-CoV-2 IgG		1		
		Epitope Diagnostics EDI Novel Coronavirus COVID-19 IgG ELISA		1		
		EUROIMMUN Anti-SARS-CoV-2 NCP ELISA (IgG)		1		
		EUROIMMUN Anti-SARS-CoV-2 QuantiVac ELISA (IgG)		2		
		EUROIMMUN Coronavirus Profile EUROLINE (IgG)		1		
		In-house FMIA SARS-CoV-2 N, RBD, SFL IgG		3		
		Siemens Atellica SARS-COV-2 IgG		1		
		TestLine CLIA COVID-19 RBD IgG		1		
		TestLine EIA COVID-19 RBD IgG		1		

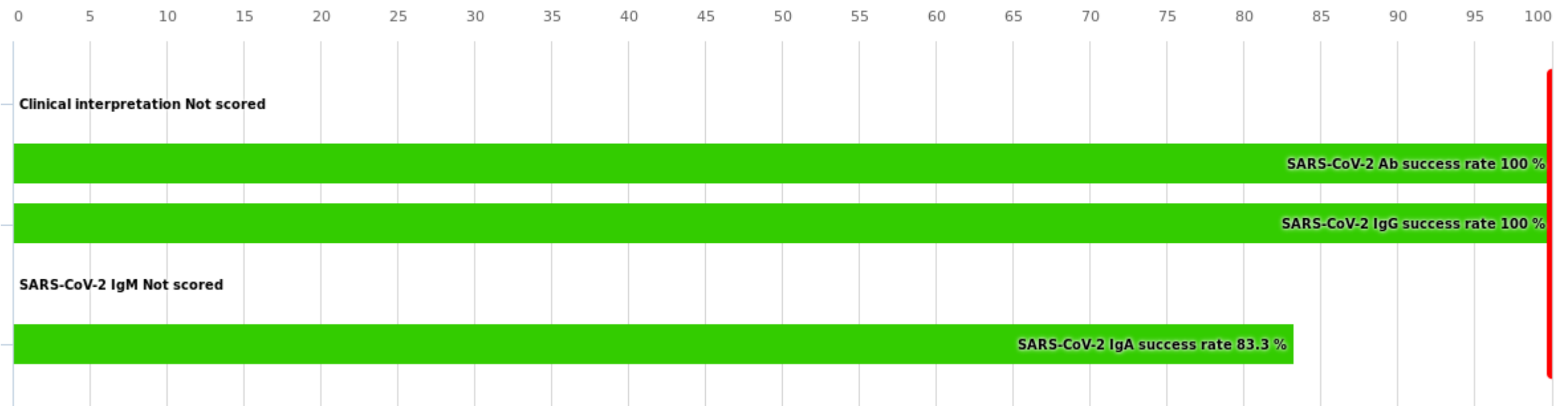
		TestLine Microblot-Array COVID-19 IgG		1		
	Total:		40		100 %	

SARS-CoV-2 IgM	Interpretation	Test kit	Interpretation count	Test kit count	AVR success rate	Interpretation Score
	Negative		17		100 %	2
		Abbott Alinity i SARS-CoV-2 IgM		4		
		Abbott ARCHITECT SARS-CoV-2 IgM		2		
		DiaSorin LIAISON SARS-CoV-2 IgM		4		
		Ekvitec lab EQUI SARS-CoV-2 IgM		1		
		Epitope Diagnostics EDI Novel Coronavirus COVID-19 IgM ELISA		1		
		EUROIMMUN Anti-SARS-CoV-2 NCP ELISA (IgM)		2		
		TestLine CLIA COVID-19 RBD IgM		1		
		TestLine EIA COVID-19 RBD IgM		1		
		TestLine Microblot-Array COVID-19 IgM		1		
	Total:		17		100 %	

SARS-CoV-2 IgA	Interpretation	Test kit	Interpretation count	Test kit count	AVR success rate	Interpretation Score
	Negative		6		100 %	2
		Ekvitec lab EQUI SARS-CoV-2 IgA		1		
		EUROIMMUN Anti-SARS-CoV-2 ELISA IgA		2		
		TestLine CLIA COVID-19 RBD IgA		1		
		TestLine EIA COVID-19 RBD IgA		1		
		TestLine Microblot-Array COVID-19 IgA		1		
	Total:		6		100 %	

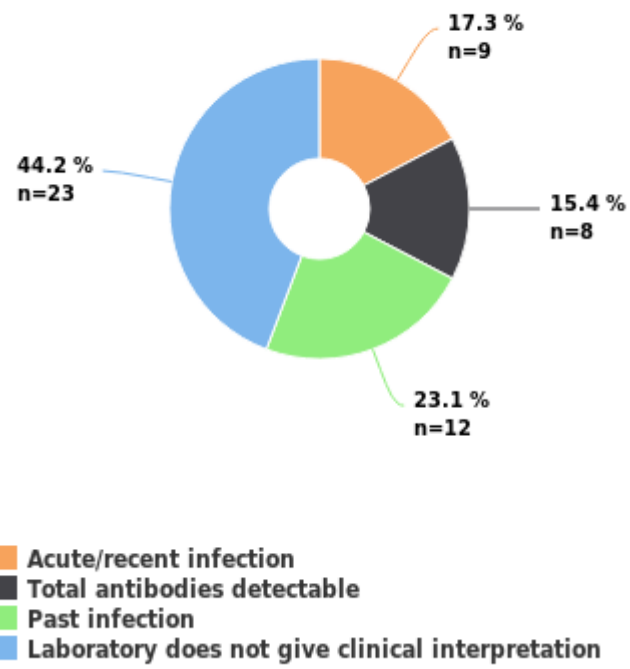
Sample S003

Sample S003 success rate



Sample S003 results	Responded	AVR success rate	Count
	Clinical interpretation	-	52
	SARS-CoV-2 Ab	100 %	15
	SARS-CoV-2 IgG	100 %	40
	SARS-CoV-2 IgM	-	17
	SARS-CoV-2 IgA	83.3 %	6
	Total:	98.4 %	130

Sample S003 Clinical interpretation



Clinical interpretation	Interpretation	Interpretation count	AVR success rate	Interpretation Score
	Acute/recent infection	9	-	-
	Total antibodies detectable	8	-	-
	Past infection	12	-	-
	Laboratory does not give clinical interpretation	23	-	-
	Total:	52		

Sample S003 SARS-CoV-2 Ab



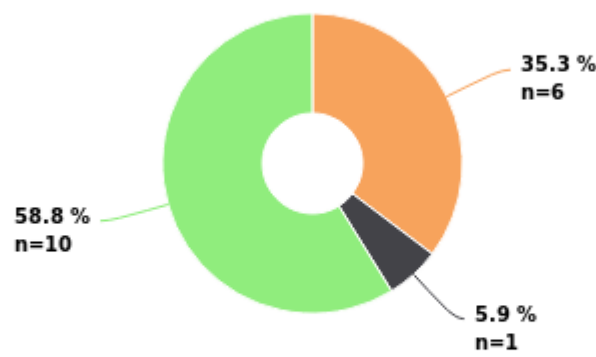
Borderline Positive

Sample S003 SARS-CoV-2 IgG



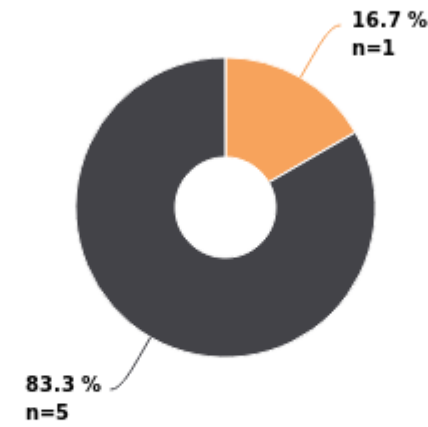
Positive

Sample S003 SARS-CoV-2 IgM



Negative Borderline Positive

Sample S003 SARS-CoV-2 IgA



Negative Positive

SARS-CoV-2 Ab	Interpretation	Test kit	Interpretation count	Test kit count	AVR success rate	Interpretation Score
	Borderline		1		100 %	2
		Euroimmun SARS-CoV-2 NeutraLISA		1		
	Positive		14		100 %	2
		Roche Elecsys Anti-SARS-CoV-2		7		
		Roche Elecsys Anti-SARS-CoV-2 S		7		
	Total:		15		100 %	

SARS-CoV-2 IgG	Interpretation	Test kit	Interpretation count	Test kit count	AVR success rate	Interpretation Score
	Positive		40		100 %	2
		Abbott Alinity i SARS-CoV-2 IgG		5		
		Abbott Alinity i SARS-CoV-2 IgG II Quant		5		
		Abbott ARCHITECT SARS-CoV-2 IgG II Quant		4		
		Abbott ARCHITECT SARS-CoV-2 IgG		2		
		Beckman Coulter Access SARS CoV-2 IgG (1st IS)		1		
		bioMérieux VIDAS SARS-CoV-2 IgG		1		
		DiaSorin LIAISON SARS-CoV-2 TrimericS IgG assay		8		
		DiaSorin LIAISON SARS-CoV-2 S1/S2 IgG		1		
		Ekvittestlab EQUI SARS-CoV-2 IgG		1		
		Epitope Diagnostics EDI Novel Coronavirus COVID-19 IgG ELISA		1		
		EUROIMMUN Anti-SARS-CoV-2 NCP ELISA (IgG)		1		
		EUROIMMUN Anti-SARS-CoV-2 QuantiVac ELISA (IgG)		2		
		EUROIMMUN Coronavirus Profile EUROLINE (IgG)		1		
		In-house FMIA SARS-CoV-2 N, RBD, SFL IgG		3		
		Siemens Atellica SARS-COV-2 IgG		1		
		TestLine CLIA COVID-19 RBD IgG		1		

		TestLine EIA COVID-19 RBD IgG		1		
		TestLine Microblot-Array COVID-19 IgG		1		
	Total:		40		100 %	

SARS-CoV-2 IgM	Interpretation	Test kit	Interpretation count	Test kit count	AVR success rate	Interpretation Score
	Negative		6		-	-
		Ekvittestlab EQUI SARS-CoV-2 IgM		1		
		Epitope Diagnostics EDI Novel Coronavirus COVID-19 IgM ELISA		1		
		EUROIMMUN Anti-SARS-CoV-2 NCP ELISA (IgM)		2		
		TestLine EIA COVID-19 RBD IgM		1		
		TestLine Microblot-Array COVID-19 IgM		1		
	Borderline		1		-	-
		TestLine CLIA COVID-19 RBD IgM		1		
	Positive		10		-	-
		Abbott Alinity i SARS-CoV-2 IgM		4		
		Abbott ARCHITECT SARS-CoV-2 IgM		2		
		DiaSorin LIAISON SARS-CoV-2 IgM		4		
	Total:		17			

SARS-CoV-2 IgA	Interpretation	Test kit	Interpretation count	Test kit count	AVR success rate	Interpretation Score
	Negative		1		0 %	0
		Ekvittestlab EQUI SARS-CoV-2 IgA		1		
	Positive		5		100 %	2
		EUROIMMUN Anti-SARS-CoV-2 ELISA IgA		2		
		TestLine CLIA COVID-19 RBD IgA		1		
		TestLine EIA COVID-19 RBD IgA		1		
		TestLine Microblot-Array COVID-19 IgA		1		
	Total:		6		83.3 %	

Report Info

PARTICIPANTS

Altogether 42 laboratories from 17 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."

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 and clinical interpretations when 60% or more of the participants report the expected result and when at least three results are reported.

The following general rules are applied:

Correct/expected test result 2/2 points
False/deviating test result 0/2 points
Correct/expected clinical interpretation 4/4 points
False/deviating clinical interpretation 0/4 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.