GLOBAL REPORT

	No of participants	No of responded participants	Response percentage
Measles virus, antibodies, January, 1-2024	36	34	94.4 %

Summary

Overall success rate by samples

- Sample S001 success rate 100 %
- Sample S002 success rate 90 %
- Sample S003 success rate 100 %
- Average: success rate 96.7 %

Legend: ■ Sample AVR success rate ■ Target

Summary	AVR success rate
Sample S001	100 %
Sample S002	90 %
Sample S003	100 %
Average:	96.7 %

Sample S001

Sample S001 success rate
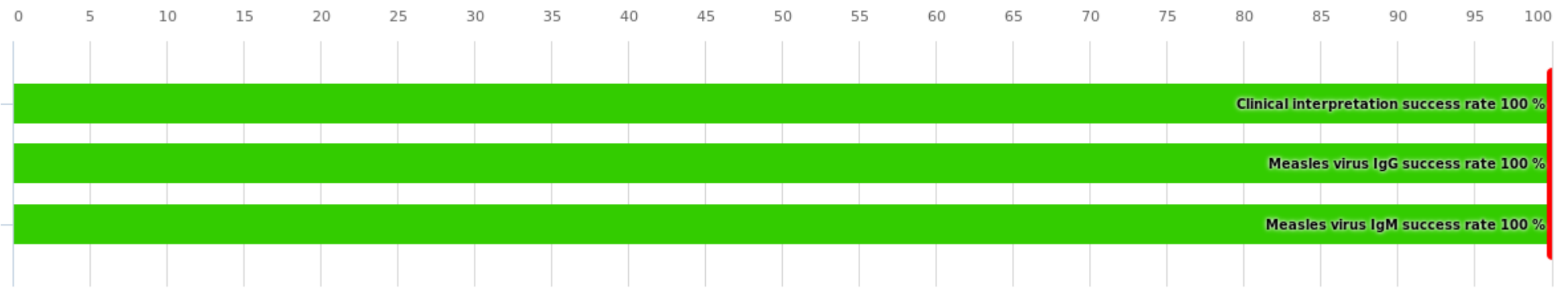
| Sample S001 results	Responded	AVR success rate	Count
	Clinical interpretation	100 %	36
	Measles virus IgG	100 %	36
	Measles virus IgM	100 %	32
Total:		100 %	104

Sample S001 Clinical interpretation
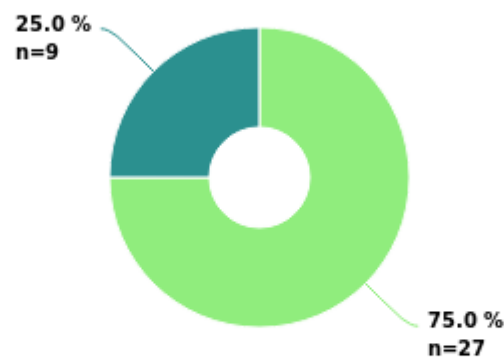
■ Acute/recent infection ■ Laboratory does not give clinical interpretation

Clinical interpretation	Interpretation	Further action	Interpretation count	Further action count	AVR success rate	Interpretation Score	Further action Score
	Acute/recent infection		27		100 %	4	
		New sample requested and referred to confirmation		5	-		-
		Referred to confirmation		5	-		-
		New sample requested		2	-		-
	Laboratory does not give clinical interpretation		9		-	-	
	Total:		36		100 %		

Sample S001 Measles virus IgG

100.0 %
n=36
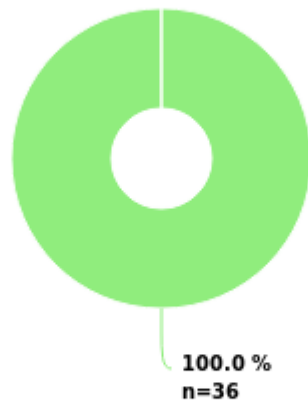
■ Positive

Sample S001 Measles virus IgM
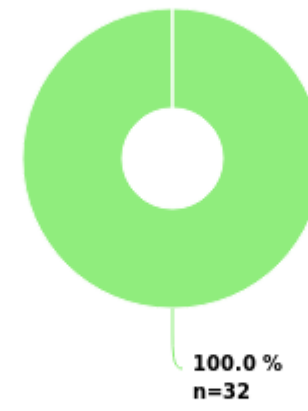
100.0 %
n=32
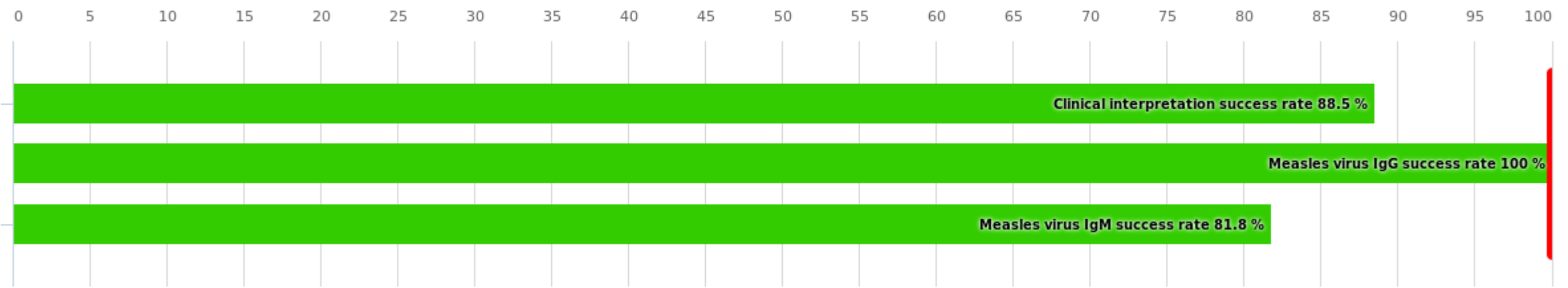
■ Positive

Measles virus IgG	Interpretation	Method	Interpretation count	Method count	AVR success rate	Interpretation Score
	Positive		36		100 %	2
		bioMerieux VIDAS Measles IgG		2		
		DiaSorin LIAISON Measles IgG		23		
		Euroimmun Measles IgG EIA		5		
		Microimmune Measles IgG Capture EIA		1		
		Orgentec Anti-Measles Virus IgG		1		
		TestLine Clinical Diagnostics EIA Measles IgG		1		
		Vircell VirClia Measles IgG		2		
		Virion/Serion ELISA classic Measles IgG		1		
	Total:		36		100 %	

Measles virus IgM	Interpretation	Method	Interpretation count	Method count	AVR success rate	Interpretation Score
	Positive		32		100 %	2
		DiaSorin LIAISON Measles IgM		22		
		Euroimmun Measles IgM EIA		5		
		Orgentec Anti-Measles Virus IgM		1		
		TestLine Clinical Diagnostics EIA Measles IgM		1		
		Vircell VirClia Measles IgM		2		
		Virion/Serion ELISA classic Measles IgM		1		
	Total:		32		100 %	

Sample S002

Sample S002 success rate

Clinical interpretation success rate 88.5 %

Measles virus IgG success rate 100 %

Measles virus IgM success rate 81.8 %

Sample S002 results	Responded	AVR success rate	Count
	Clinical interpretation	88.5 %	36
	Measles virus IgG	100 %	35
	Measles virus IgM	81.8 %	33
Total:		90 %	104

Sample S002 Clinical interpretation

27.8 %
n=10

5.6 %
n=2

2.8 %
n=1

63.9 %
n=23
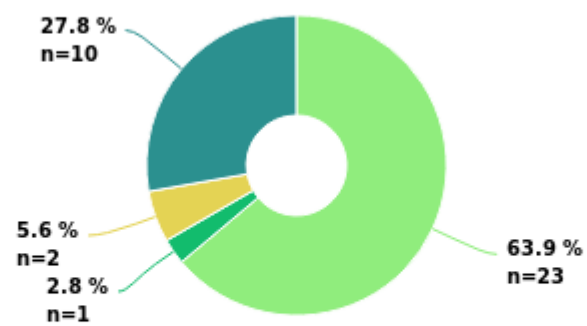
- Acute/recent infection
- Old immunity or vaccinated
- Uncertain immunity
- Laboratory does not give clinical interpretation

Clinical interpretation	Interpretation	Further action	Interpretation count	Further action count	AVR success rate	Interpretation Score	Further action Score
	Acute/recent infection		23		100 %	4	
		New sample requested and referred to confirmation		5	-		-
		New sample requested		3	-		-
		Referred to confirmation		4	-		-
	Old immunity or vaccinated		1		0 %	0	
	Uncertain immunity		2		0 %	0	
		New sample requested		1	-		-
	Laboratory does not give clinical interpretation		10		-	-	
		Referred to confirmation		1	-		-
	Total:		36		88.5 %		

Sample S002 Measles virus IgG

100.0 %
n=35
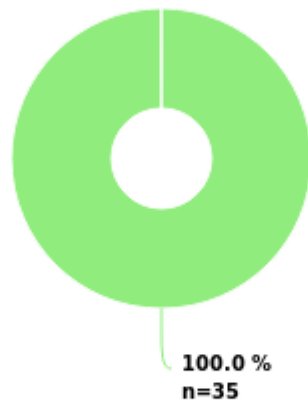
■ Positive

Sample S002 Measles virus IgM

3.0 %
n=1

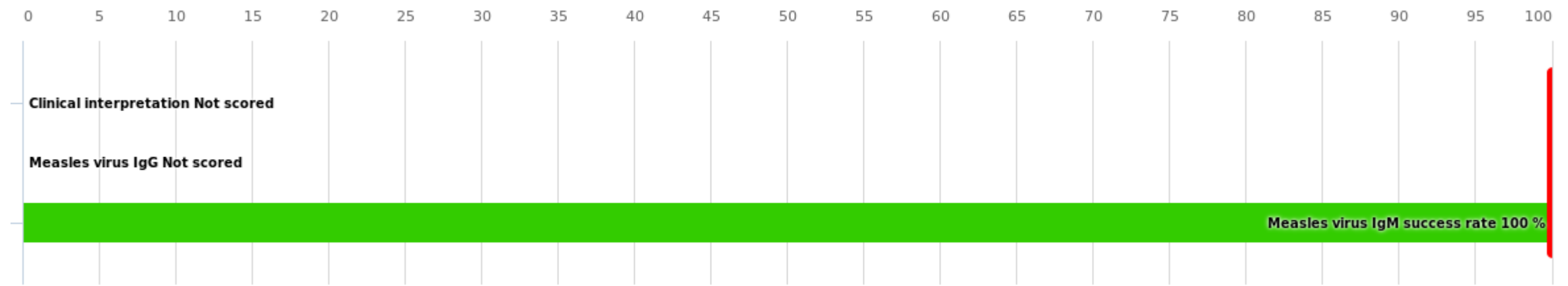15.2 %
n=5

81.8 %
n=27
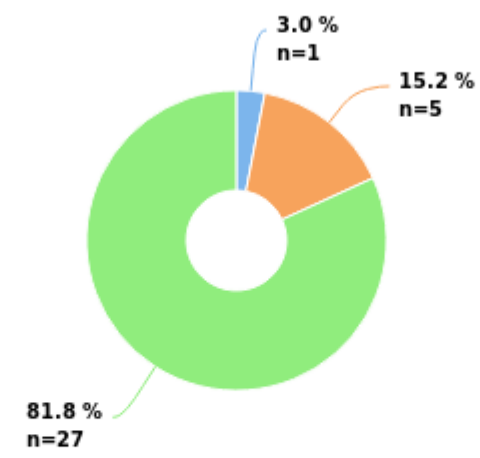
■ Negative ■ Borderline ■ Positive

Measles virus IgG	Interpretation	Method	Interpretation count	Method count	AVR success rate	Interpretation Score
	Positive		35		100 %	2
		bioMerieux VIDAS Measles IgG		2		
		DiaSorin LIAISON Measles IgG		23		
		Euroimmun Measles IgG EIA		5		
		Orgentec Anti-Measles Virus IgG		1		
		TestLine Clinical Diagnostics EIA Measles IgG		1		
		Vircell VirClia Measles IgG		2		
		Virion/Serion ELISA classic Measles IgG		1		
	Total:		35		100 %	

Measles virus IgM	Interpretation	Method	Interpretation count	Method count	AVR success rate	Interpretation Score
	Negative		1		0 %	0
		Orgentec Anti-Measles Virus IgM		1		
	Borderline		5		0 %	0
		DiaSorin LIAISON Measles IgM		1		
		Euroimmun Measles IgM EIA		3		
		Vircell VirClia Measles IgM		1		
	Positive		27		100 %	2
		DiaSorin LIAISON Measles IgM		21		
		Euroimmun Measles IgM EIA		2		
		Microimmune Measles IgM Capture EIA		1		
		TestLine Clinical Diagnostics EIA Measles IgM		1		
		Vircell VirClia Measles IgM		1		
		Virion/Serion ELISA classic Measles IgM		1		
	Total:		33		81.8 %	

Measles virus, antibodies, January, 1-2024

Sample S003

Sample S003 success rate

Clinical interpretation Not scored

Measles virus IgG Not scored

Measles virus IgM success rate 100 %

Sample S003 results	Responded	AVR success rate	Count
	Clinical interpretation	-	36
	Measles virus IgG	-	35
	Measles virus IgM	100 %	33
Total:		100 %	104

Sample S003 Clinical interpretation

8.3 %
n=3

2.8 %
n=1

27.8 %
n=10

2.8 %
n=1

58.3 %
n=21
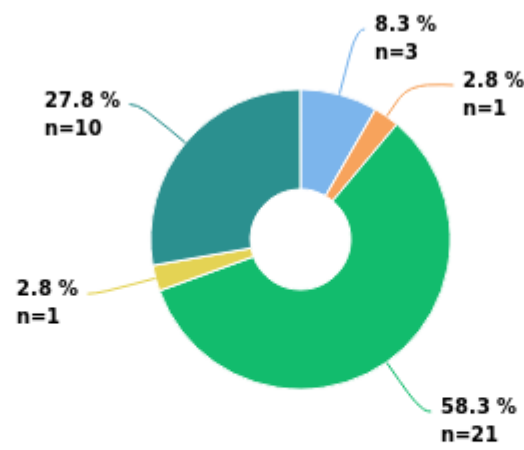
- ■ No detectable antibodies
- ■ Does not indicate acute infection
- ■ Old immunity or vaccinated
- ■ Uncertain immunity
- ■ Laboratory does not give clinical interpretation

Clinical interpretation	Interpretation	Further action	Interpretation count	Further action count	AVR success rate	Interpretation Score	Further action Score
	No detectable antibodies		3		-	-	
	Does not indicate acute infection		1		-	-	
	Old immunity or vaccinated		21		-	-	
	Uncertain immunity		1		-	-	
		New sample requested		1	-		-
	Laboratory does not give clinical interpretation		10		-	-	
	Total:		36				

Measles virus, antibodies, January, 1-2024

Sample S003 Measles virus IgG

11.4 %
n=4

8.6 %
n=3

80.0 %
n=28
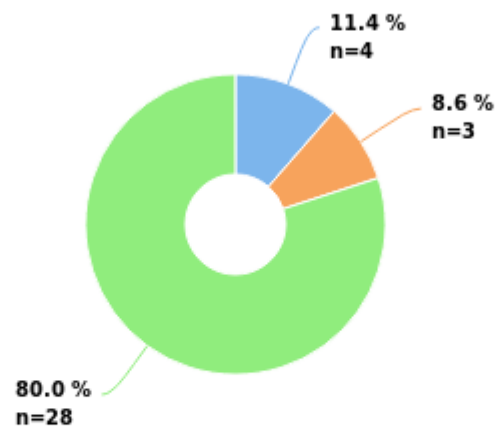
■ Negative ■ Borderline ■ Positive

Sample S003 Measles virus IgM

100.0 %
n=33
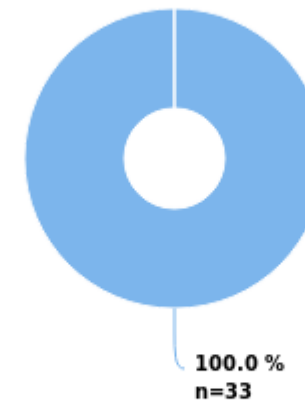
■ Negative

Measles virus IgG	Interpretation	Method	Interpretation count	Method count	AVR success rate	Interpretation Score
	Negative		4		-	-
		Euroimmun Measles IgG EIA		3		
		Orgentec Anti-Measles Virus IgG		1		
	Borderline		3		-	-
		Euroimmun Measles IgG EIA		2		
		Vircell VirClia Measles IgG		1		
	Positive		28		-	-
		bioMerieux VIDAS Measles IgG		2		
		DiaSorin LIAISON Measles IgG		23		
		TestLine Clinical Diagnostics EIA Measles IgG		1		
		Vircell VirClia Measles IgG		1		
		Virion/Serion ELISA classic Measles IgG		1		
	Total:		35			

Measles virus IgM	Interpretation	Method	Interpretation count	Method count	AVR success rate	Interpretation Score
	Negative		33		100 %	2
		DiaSorin LIAISON Measles IgM		22		
		Euroimmun Measles IgM EIA		5		
		Microimmune Measles IgM Capture EIA		1		
		Orgentec Anti-Measles Virus IgM		1		
		TestLine Clinical Diagnostics EIA Measles IgM		1		
		Vircell VirClia Measles IgM		2		
		Virion/Serion ELISA classic Measles IgM		1		
	Total:		33		100 %	

Report Info

PARTICIPANTS

Altogether 36 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.