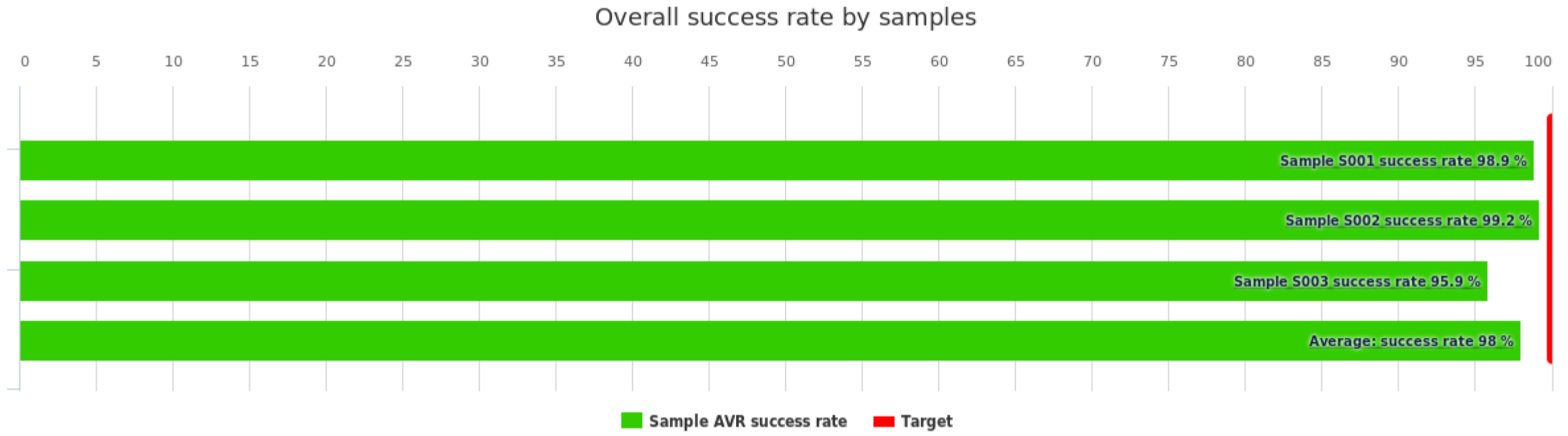


GLOBAL REPORT

	No of participants	No of responded participants	Response percentage
Rubella virus, antibodies, January, 1-2024	79	76	96.2 %

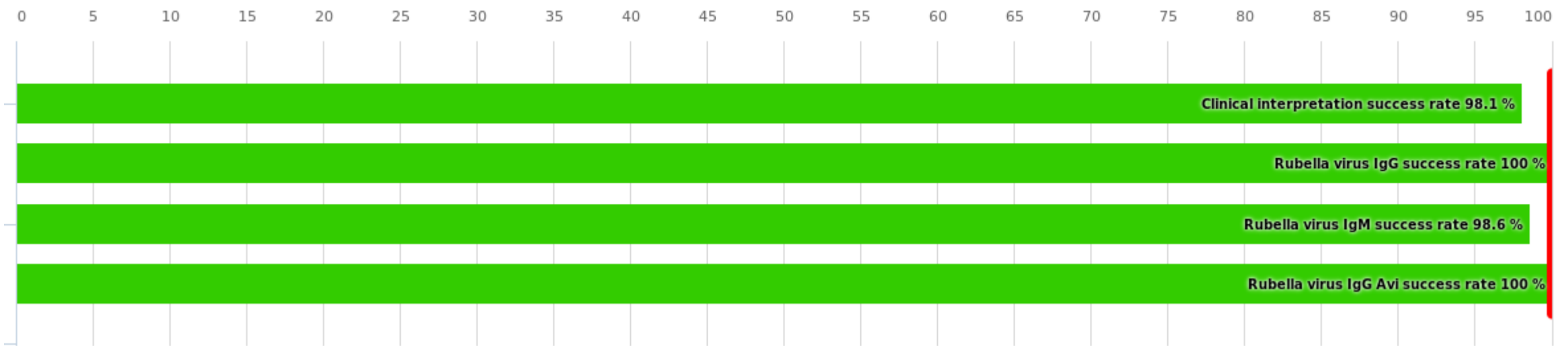
Summary



Summary	AVR success rate
Sample S001	98.9 %
Sample S002	99.2 %
Sample S003	95.9 %
Average:	98 %

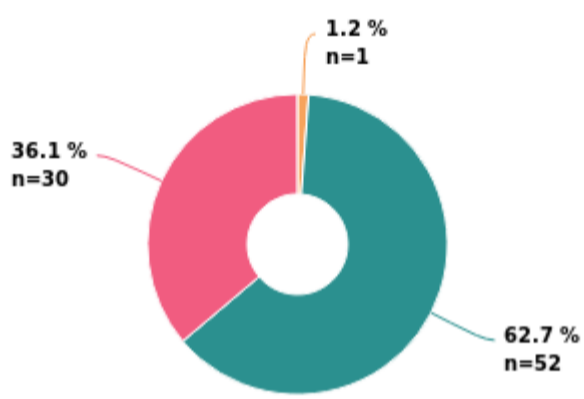
Sample S001

Sample S001 success rate



Sample S001 results	Responded	AVR success rate	Count
	Clinical interpretation	98.1 %	83
	Rubella virus IgG	100 %	80
	Rubella virus IgM	98.6 %	71
	Rubella virus IgG Avi	100 %	7
	Total:	98.9 %	241

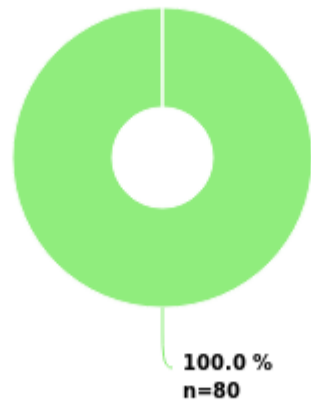
Sample S001 Clinical interpretation



- Acute infection is possible
- Old immunity or vaccinated
- Laboratory does not give clinical interpretation

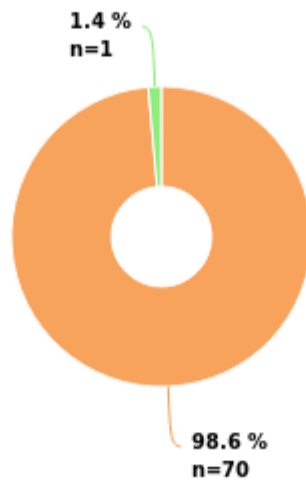
Clinical interpretation	Interpretation	Further action	Interpretation count	Further action count	AVR success rate	Interpretation Score	Further action Score
	Acute infection is possible		1		0 %	0	
	Old immunity or vaccinated		52		100 %	4	
		New sample requested and referred to confirmation		1	-		-
	Laboratory does not give clinical interpretation		30		-	-	
	Total:		83		98.1 %		

Sample S001 Rubella virus IgG



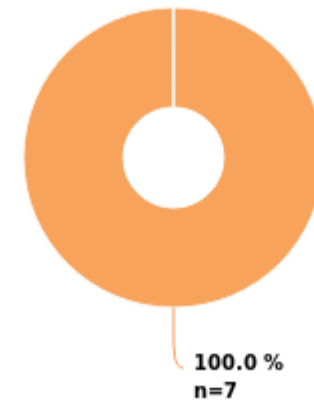
Positive

Sample S001 Rubella virus IgM



Negative Positive

Sample S001 Rubella virus IgG Avi



Strong avidity

Rubella virus IgG	Interpretation	Method	Interpretation count	Method count	AVR success rate	Interpretation Score
	Positive		80		100 %	2
		Abbott Alinity Rubella IgG		8		
		Abbott Architect Rubella IgG		11		
		Bio-Rad Platelia Rubella IgG		3		
		bioMerieux VIDAS Rubella IgG		7		
		DiaSorin LIAISON Rubella IgG		18		
		Diesse Chorus Rubella IgG		1		
		EUROIMMUN Anti-TO.R.C.H Profile IgG		1		
		Euroimmun Rubella IgG EIA		5		
		NovaTec Rubella IgG ELISA		1		
		Ortho Vitros Rubella IgG		1		
		Roche cobas/Elecsys Rubella IgG		18		
		Siemens ADVIA Centaur Rubella IgG		1		
		Siemens Atellica Rubella IgG		2		
		TestLine CLIA Rubella IgG		1		
		TestLine Rubella IgG EIA		1		
		Virion/Serion ELISA classic Rubella IgG		1		
	Total:		80		100 %	

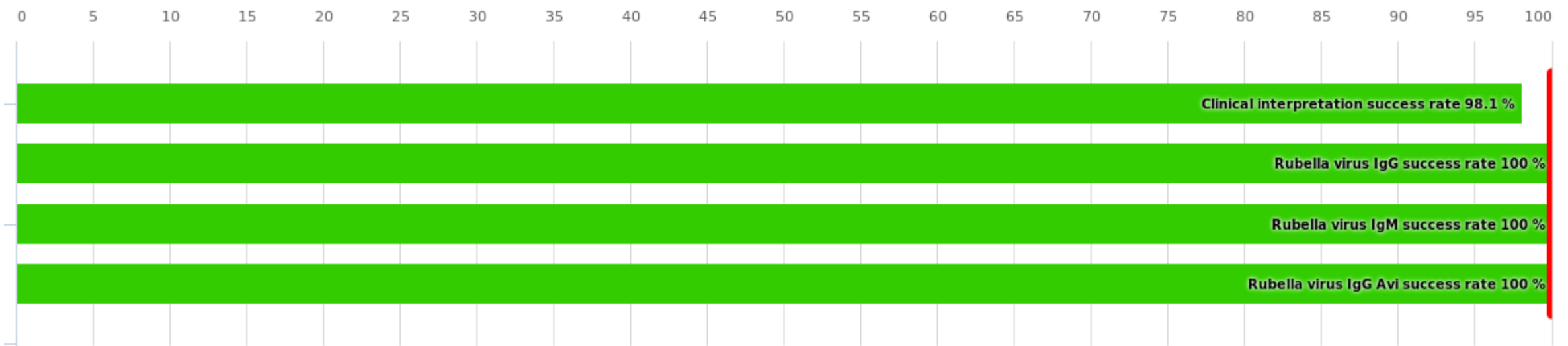
Rubella virus IgM	Interpretation	Method	Interpretation count	Method count	AVR success rate	Interpretation Score
	Negative		70		100 %	2
		Abbott Alinity Rubella IgM		7		
		Abbott Architect Rubella IgM		7		
		Bio-Rad Platelia Rubella IgM		3		
		bioMerieux VIDAS Rubella IgM		6		
		DiaSorin LIAISON Rubella IgM		18		
		Diesse Chorus Rubella IgM		1		
		Euroimmun Rubella IgM EIA		5		
		NovaTec Rubella IgM ELISA		1		
		Ortho Vitros Rubella IgM		1		
		Roche cobas/Elecsys Rubella IgM		15		
		Siemens ADVIA Centaur Rubella IgM		1		
		Siemens Atellica Rubella IgM		2		
		TestLine CLIA Rubella IgM		1		
		TestLine Rubella IgM EIA		1		
		Virion/Serion ELISA classic Rubella IgM		1		
	Positive		1		0 %	0
		DiaSorin LIAISON Rubella IgM		1		
	Total:		71		98.6 %	

Rubella virus IgG Avi	Interpretation	Method	Interpretation count	Method count	AVR success rate	Interpretation Score
	Strong avidity		7		100 %	2
		Diesse Chorus Rubella IgG Avi		1		
		EQUI Rubella virus IgG avidity		1		

		Euroimmun Rubella IgG Avi EIA		2		
		IDS Rubella Avidity IgG		1		
		TestLine Rubella IgG EIA		1		
		Virion/Serion ELISA classic Rubella Avi		1		
	Total:		7		100 %	

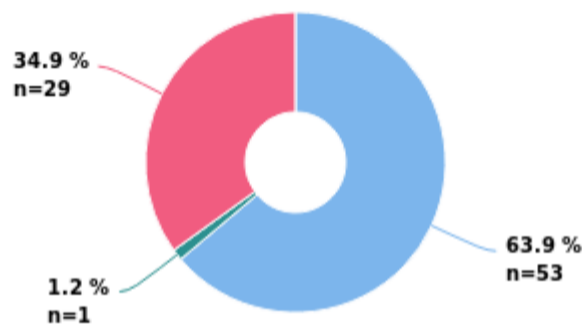
Sample S002

Sample S002 success rate



Sample S002 results	Responded	AVR success rate	Count
	Clinical interpretation	98.1 %	83
	Rubella virus IgG	100 %	80
	Rubella virus IgM	100 %	71
	Rubella virus IgG Avi	100 %	3
	Total:	99.2 %	237

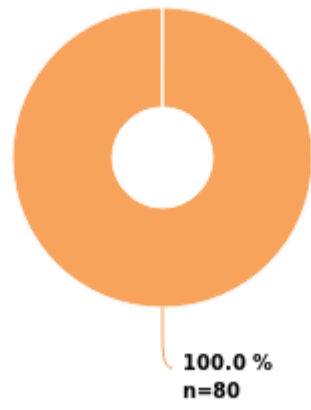
Sample S002 Clinical interpretation



- No detectable antibodies
- Old immunity or vaccinated
- Laboratory does not give clinical interpretation

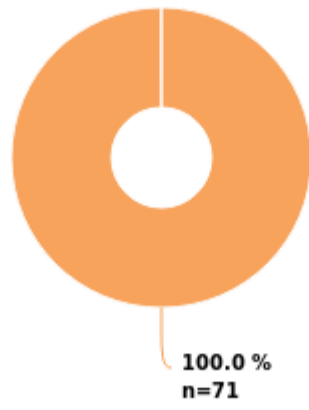
Clinical interpretation	Interpretation	Further action	Interpretation count	Further action count	AVR success rate	Interpretation Score	Further action Score
	No detectable antibodies		53		100 %	4	
		New sample requested		1	-		-
	Old immunity or vaccinated		1		0 %	0	
	Laboratory does not give clinical interpretation		29		-	-	
	Total:		83		98.1 %		

Sample S002 Rubella virus IgG



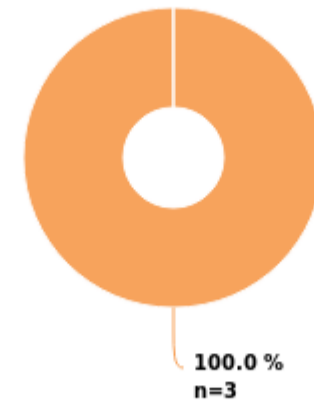
■ Negative

Sample S002 Rubella virus IgM



■ Negative

Sample S002 Rubella virus IgG Avi



■ Not measurable

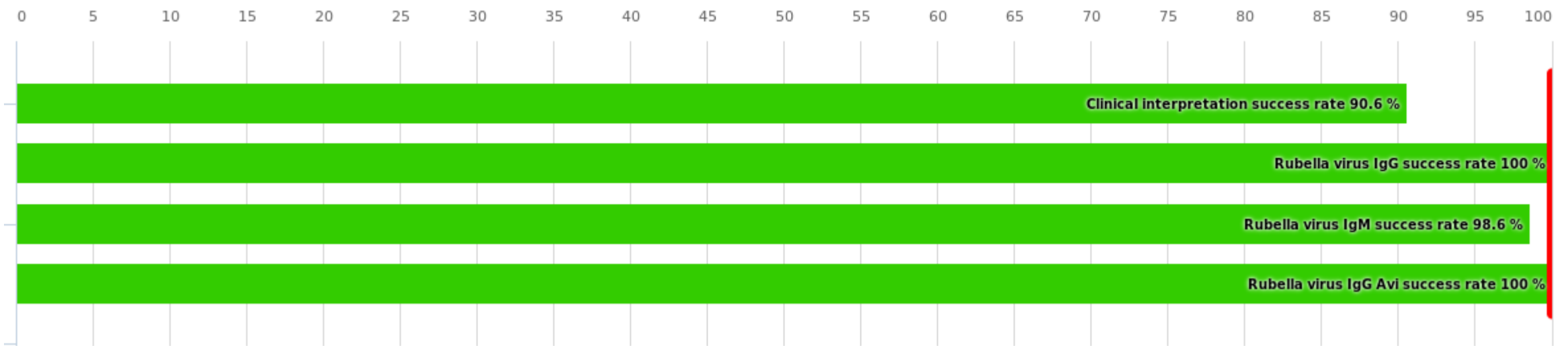
Rubella virus IgG	Interpretation	Method	Interpretation count	Method count	AVR success rate	Interpretation Score
	Negative		80		100 %	2
		Abbott Alinity Rubella IgG		8		
		Abbott Architect Rubella IgG		11		
		Bio-Rad Platelia Rubella IgG		3		
		bioMerieux VIDAS Rubella IgG		7		
		DiaSorin LIAISON Rubella IgG		18		
		Diesse Chorus Rubella IgG		1		
		EUROIMMUN Anti-TO.R.C.H Profile IgG		1		
		Euroimmun Rubella IgG EIA		5		
		NovaTec Rubella IgG ELISA		1		
		Ortho Vitros Rubella IgG		1		
		Roche cobas/Elecsys Rubella IgG		18		
		Siemens ADVIA Centaur Rubella IgG		1		
		Siemens Atellica Rubella IgG		2		
		TestLine CLIA Rubella IgG		1		
		TestLine Rubella IgG EIA		1		
		Virion/Serion ELISA classic Rubella IgG		1		
	Total:		80		100 %	

Rubella virus IgM	Interpretation	Method	Interpretation count	Method count	AVR success rate	Interpretation Score
	Negative		71		100 %	2
		Abbott Alinity Rubella IgM		7		
		Abbott Architect Rubella IgM		7		
		Bio-Rad Platelia Rubella IgM		3		
		bioMerieux VIDAS Rubella IgM		6		
		DiaSorin LIAISON Rubella IgM		19		
		Diesse Chorus Rubella IgM		1		
		Euroimmun Rubella IgM EIA		5		
		NovaTec Rubella IgM ELISA		1		
		Ortho Vitros Rubella IgM		1		
		Roche cobas/Elecsys Rubella IgM		15		
		Siemens ADVIA Centaur Rubella IgM		1		
		Siemens Atellica Rubella IgM		2		
		TestLine CLIA Rubella IgM		1		
		TestLine Rubella IgM EIA		1		
		Virion/Serion ELISA classic Rubella IgM		1		
	Total:		71		100 %	

Rubella virus IgG Avi	Interpretation	Method	Interpretation count	Method count	AVR success rate	Interpretation Score
	Not measurable		3		100 %	2
		Diesse Chorus Rubella IgG Avi		1		
		EQUI Rubella virus IgG avidity		1		
		Euroimmun Rubella IgG Avi EIA		1		
	Total:		3		100 %	

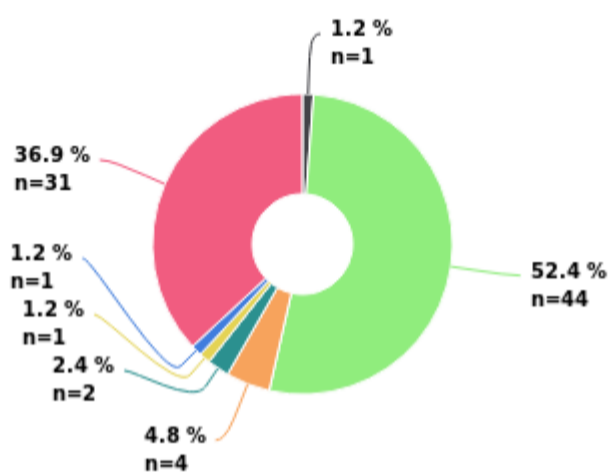
Sample S003

Sample S003 success rate



Sample S003 results	Responded	AVR success rate	Count
	Clinical interpretation	90.6 %	84
	Rubella virus IgG	100 %	80
	Rubella virus IgM	98.6 %	72
	Rubella virus IgG Avi	100 %	8
	Total:	95.9 %	244

Sample S003 Clinical interpretation



- Does not indicate acute infection
- Acute/recent infection
- Acute infection is possible
- Old immunity or vaccinated
- Reinfected/Reactivation
- 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
	Does not indicate acute infection		1		0 %	0	
		New sample requested and referred to confirmation		1	-		-
	Acute/recent infection		44		100 %	4	
		New sample requested and referred to confirmation		8	-		-
		Referred to confirmation		7	-		-
		New sample requested		1	-		-
	Acute infection is possible		4		100 %	4	
		Referred to confirmation		2	-		-
		New sample requested and referred to confirmation		1	-		-
	Old immunity or vaccinated		2		0 %	0	
	Reinfected/Reactivation		1		0 %	0	
		New sample requested and referred to confirmation		1	-		-
	Uncertain immunity		1		0 %	0	

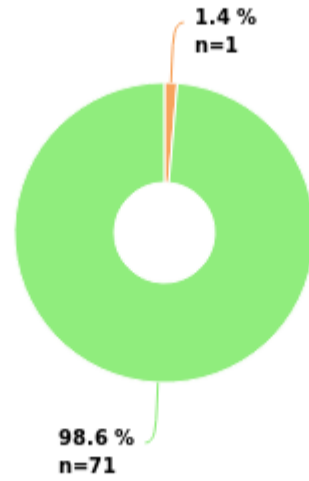
Laboratory does not give clinical interpretation		31	-	-
Total:		84	90.6 %	

Sample S003 Rubella virus IgG



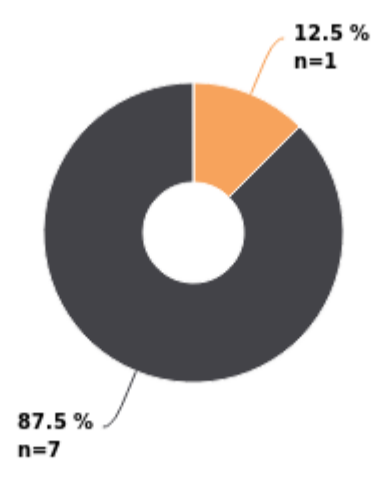
Positive

Sample S003 Rubella virus IgM



Negative Positive

Sample S003 Rubella virus IgG Avi



Borderline Weak avidity

Rubella virus IgG	Interpretation	Method	Interpretation count	Method count	AVR success rate	Interpretation Score
	Positive		80		100 %	2
		Abbott Alinity Rubella IgG		8		
		Abbott Architect Rubella IgG		11		
		Bio-Rad Platelia Rubella IgG		3		
		bioMerieux VIDAS Rubella IgG		7		
		DiaSorin LIAISON Rubella IgG		18		
		Diesse Chorus Rubella IgG		1		
		EUROIMMUN Anti-TO.R.C.H Profile IgG		1		
		Euroimmun Rubella IgG EIA		5		
		NovaTec Rubella IgG ELISA		1		
		Ortho Vitros Rubella IgG		1		
		Roche cobas/Elecsys Rubella IgG		18		
		Siemens ADVIA Centaur Rubella IgG		1		
		Siemens Atellica Rubella IgG		2		
		TestLine CLIA Rubella IgG		1		
		TestLine Rubella IgG EIA		1		
		Virion/Serion ELISA classic Rubella IgG		1		
	Total:		80		100 %	

Rubella virus IgM	Interpretation	Method	Interpretation count	Method count	AVR success rate	Interpretation Score
	Negative		1		0 %	0
		DiaSorin LIAISON Rubella IgM		1		
	Positive		71		100 %	2
		Abbott Alinity Rubella IgM		7		
		Abbott Architect Rubella IgM		7		
		Bio-Rad Platelia Rubella IgM		3		
		bioMerieux VIDAS Rubella IgM		6		
		DiaSorin LIAISON Rubella IgM		19		
		Diesse Chorus Rubella IgM		1		
		Euroimmun Rubella IgM EIA		5		
		NovaTec Rubella IgM ELISA		1		
		Ortho Vitros Rubella IgM		1		
		Roche cobas/Elecsys Rubella IgM		15		
		Siemens ADVIA Centaur Rubella IgM		1		
		Siemens Atellica Rubella IgM		2		
		TestLine CLIA Rubella IgM		1		
		TestLine Rubella IgM EIA		1		
		Virion/Serion ELISA classic Rubella IgM		1		
	Total:		72		98.6 %	

Rubella virus IgG Avi	Interpretation	Method	Interpretation count	Method count	AVR success rate	Interpretation Score
	Borderline		1		100 %	2
		EQUI Rubella virus IgG avidity		1		
	Weak avidity		7		100 %	2
		Diesse Chorus Rubella IgG Avi		1		
		Euroimmun Rubella IgG Avi EIA		3		
		IDS Rubella Avidity IgG		1		
		TestLine Rubella IgG EIA		1		
		Virion/Serion ELISA classic Rubella Avi		1		
	Total:		8		100 %	

Report Info**PARTICIPANTS**

Altogether 79 laboratories from 21 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.