

External Quality Assessment Scheme

Antistreptolysin Round 1, 2023

Specimensh

Please find enclosed 2 human plasma samples S001 and S002, each 0.4 mL.

Caution

Quality control specimens derived from human blood must be handled with the same care as patient samples, i.e. as potential transmitters of serious diseases. The specimens are found to be HBsAg, HCVAb and HIVAgAb negative when tested with licensed reagents, but no known test method can offer complete assurance that the specimens will not transmit these or other infectious diseases.

Examinations

Antistreptolysin, qualitative
Inhibition of streptolysin-O activity
Antistreptolysin, semi-quantitative
Antistreptolysin, quantitative
Clinical interpretation

Storage and use

The specimens should be stored at 2 ... 8 °C and analysed as soon as possible, preferably within a week. Please tap the tubes before opening to prevent loss of samples. Analyse as adult patient samples.

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.

S001:



S002:



2023-02-20

INSTRUCTIONS

Product no. 5840
LQ757123011-012/FI

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 10, 2023.**

The expected results of the round are published in LabScala in the View Reports section by March 14, 2023.

Inquiries

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Labquality Oy

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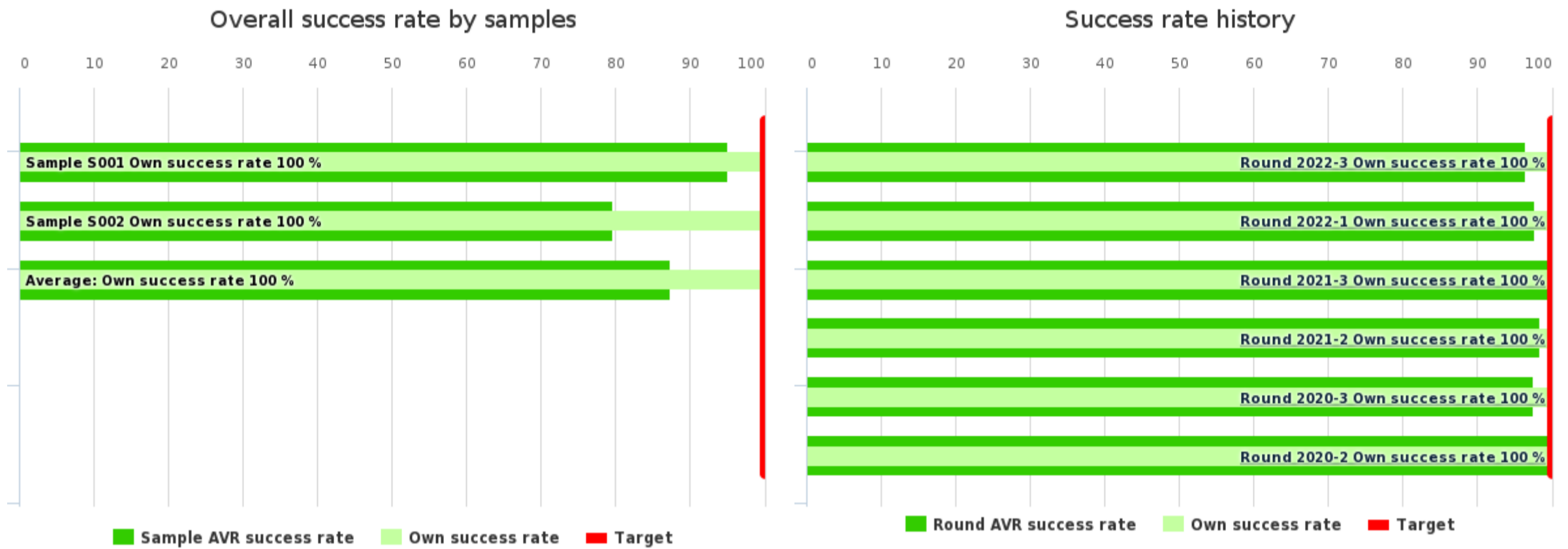
info@labquality.fi
www.labquality.com



Client report

	No of participants	No of responded participants	Response percentage
Antistreptolysin, February, 1-2023	128	123	96.1 %

Summary

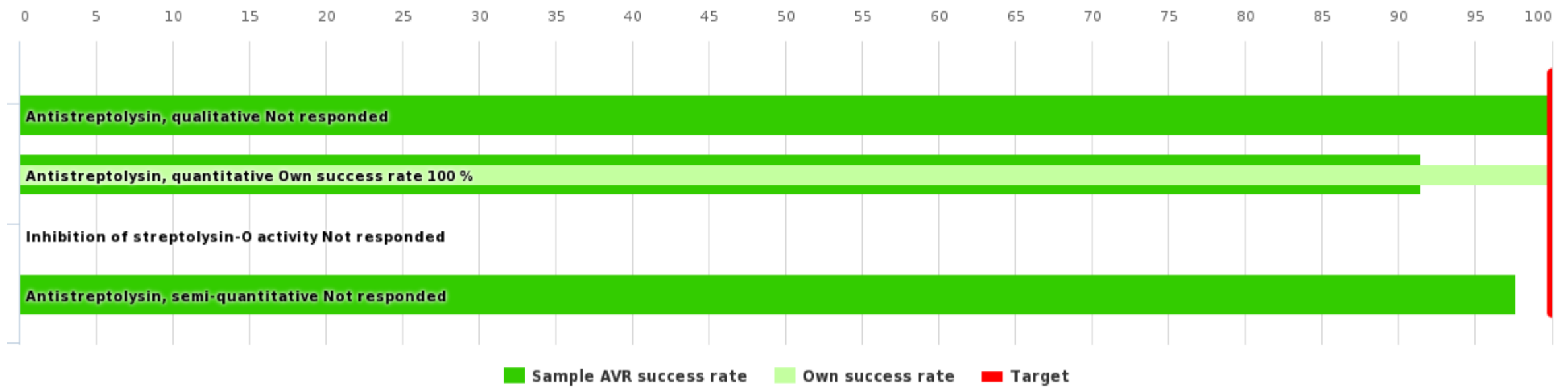


Summary	Own score	Max score	Own success rate	Difference	AVR success rate
Sample S001	2	2	100 %	4.9 %	95.1 %
Sample S002	2	2	100 %	20.3 %	79.7 %
Average:			100 %	12.6 %	87.4 %

History	Test nr.	Own success rate	Difference	AVR success rate
Round 2022-3	1-1	100 %	3.5 %	96.5 %
Round 2022-1	1-1	100 %	2.3 %	97.7 %
Round 2021-3	1-1	100 %	0 %	100 %
Round 2021-2	1-1	100 %	1.5 %	98.5 %
Round 2020-3	1-1	100 %	2.5 %	97.5 %
Round 2020-2	1-1	100 %	0.3 %	99.7 %

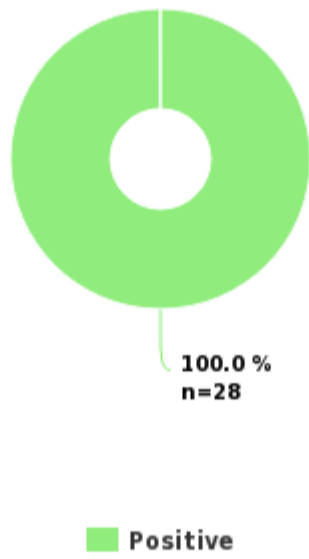
Sample S001

Sample S001 success rate

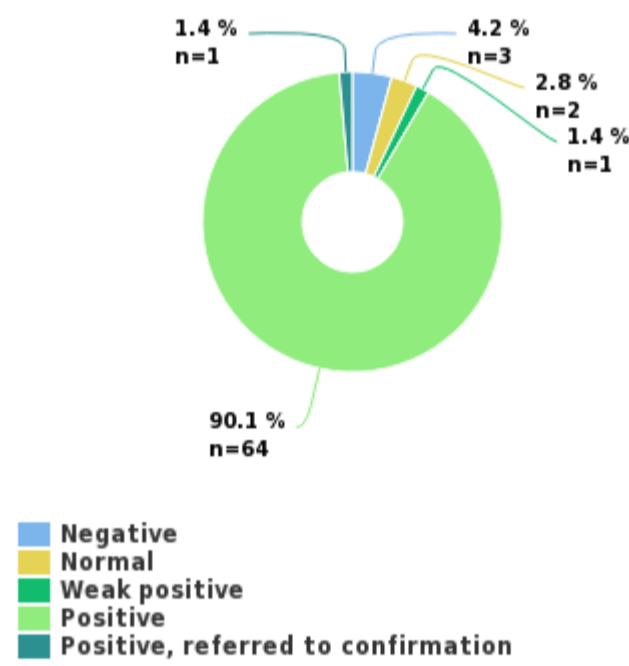


Sample S001 results	Responded	Own score	Max score	Own success rate	Difference	AVR success rate	Count
	Antistreptolysin, qualitative	-	-	-	-	100 %	28
	Antistreptolysin, quantitative	2	2	100 %	8.5 %	91.5 %	71
	Inhibition of streptolysin-O activity	-	-	-	-	-	1
	Antistreptolysin, semi-quantitative	-	-	-	-	97.7 %	43
Total:		2	2	100 %	4.9 %	95.1 %	143

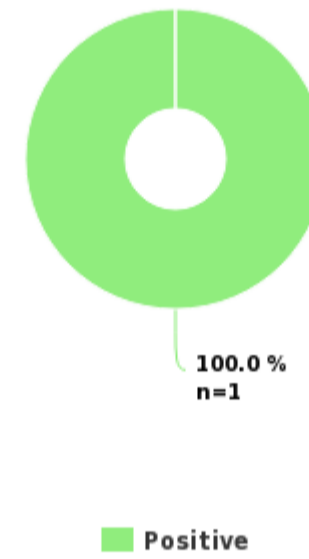
Sample S001 Antistreptolysin, qualitative



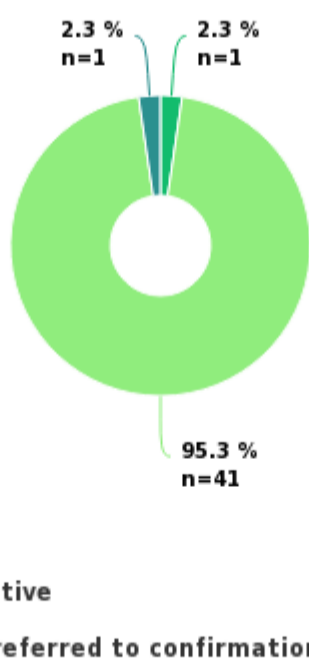
Sample S001 Antistreptolysin, quantitative



Sample S001 Inhibition of streptolysin-O activity



Sample S001 Antistreptolysin, semi-quantitative



Antistreptolysin, qualitative	Test result	Test	Test result count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Positive		28		-				100 %

	Atlas Medical ASO Latex		1						
	Bio-Bas ASO latex		1						
	Biokit Rheumajet ASO		23						
	Biosystems ASO		1						
	Serodia ASO		1						
	Streptozyme Fumouze		1						
	Total:		28		-	-	-	-	100 %

OWN DEVICE: AU680

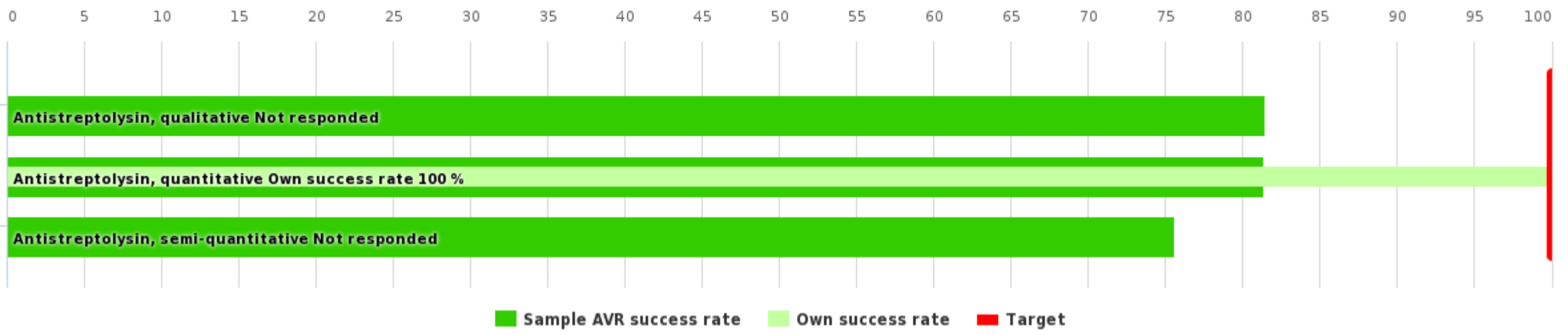
Antistreptolysin, quantitative	Test result	Test	Test result count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		3		-				0 %
		Abbott Alinity ASO		1					
		Abbott Architect Quantia ASO		1					
		Turbidimetry Roche Tina-quant ASLO		1					
	Normal		2		-				0 %
		Turbidimetry Abbott Architect Quantia ASO		2					
	Weak positive		1		-				0 %
		Siemens Atellica NEPH 630 ASL		1					
	<input checked="" type="radio"/> Positive		64		2	2	100 %	0 %	100 %
		Abbott Alinity ASO		4					
		Cormay A-400 ASO		1					
		Nephelometry Siemens NA Latex ASL		2					
		Siemens Atellica Antistreptolysin O (ASO)		3					
		Siemens Atellica NEPH 630 ASL		3					
		The Binding Site Optilite Anti-streptolysin O Kit		1					
		Turbidimetria Thermo Scientific Anti-Streptolysin O		1					
		Turbidimetry Abbott Architect Quantia ASO		4					
		<input checked="" type="radio"/> Turbidimetry Beckman Coulter Anti-Streptolysin O		10					
		Turbidimetry Roche Cobas Integra ASO		4					
		Turbidimetry Roche Tina-quant ASLO		30					
		Turbidimetry, Instrumentation laboratory		1					
	Positive, referred to confirmation		1		-				100 %
		Turbidimetry Roche Tina-quant ASLO		1					
	Total:		71		2	2	100 %	8.5 %	91.5 %

Inhibition of streptolysin-O activity	Test result	Test	Test result count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Positive		1		-				-
		Biomed Streptolysin O + human red cells		1					
	Total:		1		-	-	-	-	

Antistreptolysin, semi-quantitative	Test result	Test	Test result count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Weak positive		1		-				0 %
		Biokit Rheumajet ASO		1					
	Positive		41		-				100 %
		Biokit Rheumajet ASO		38					
		Biomaxima ASO latex		1					
		Cortez Diagnostics ASO Latex		1					
		Human Humatex ASO		1					
	Positive, referred to confirmation		1		-				100 %
		Nal von minden NADAL ASO Latex Agglutination Test		1					
	Total:		43		-	-	-	-	97.7 %

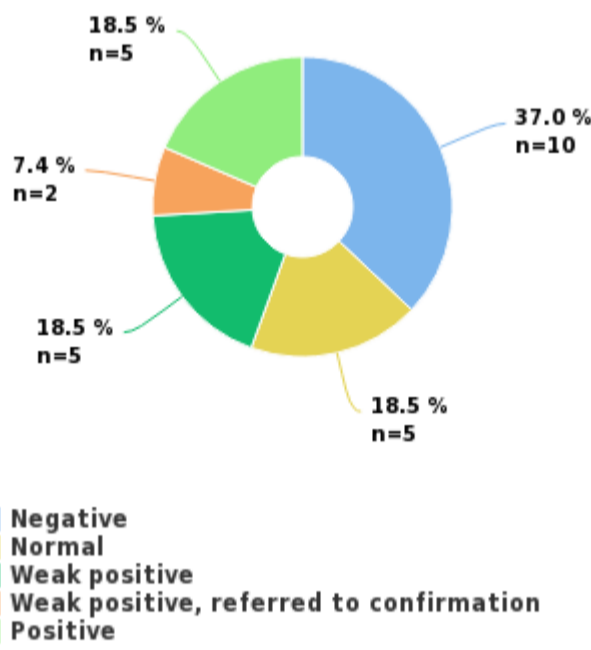
Sample S002

Sample S002 success rate

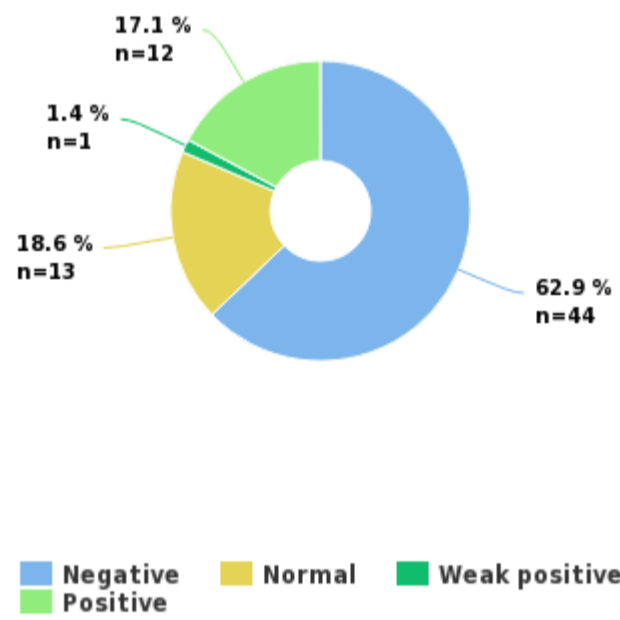


Sample S002 results	Responded	Own score	Max score	Own success rate	Difference	AVR success rate	Count
	Antistreptolysin, qualitative	-	-	-	-	81.5 %	27
	Antistreptolysin, quantitative	2	2	100 %	18.6 %	81.4 %	70
	Antistreptolysin, semi-quantitative	-	-	-	-	75.6 %	41
	Total:	2	2	100 %	20.3 %	79.7 %	138

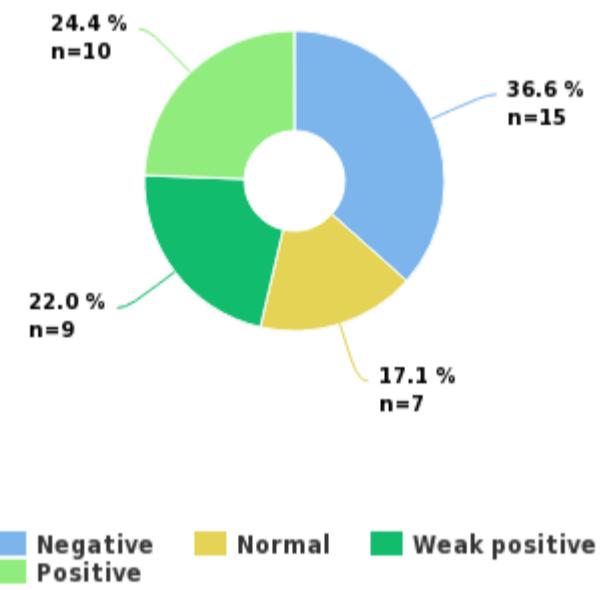
Sample S002 Antistreptolysin, qualitative



Sample S002 Antistreptolysin, quantitative



Sample S002 Antistreptolysin, semi-quantitative



Antistreptolysin, qualitative	Test result	Test	Test result count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		10		-				100 %
		Biokit Rheumajet ASO		8					
		Biosystems ASO		1					
		Streptozyme Fumouze		1					
	Normal		5		-				100 %
		Biokit Rheumajet ASO		4					
		Serodia ASO		1					
	Weak positive		5		-				100 %
		Biokit Rheumajet ASO		5					
	Weak positive, referred to confirmation		2		-				100 %
		Biokit Rheumajet ASO		2					
	Positive		5		-				0 %
		Biokit Rheumajet ASO		5					
	Total:		27		-	-	-	-	81.5 %

OWN DEVICE: AU680

Antistreptolysin, quantitative	Test result	Test	Test result count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	<input checked="" type="radio"/> Negative		44		2	2	100 %	0 %	100 %
		Abbott Alinity ASO		3					

		Nephelometry Siemens NA Latex ASL		1					
		Siemens Atellica Antistreptolysin O (ASO)		2					
		Siemens Atellica NEPH 630 ASL		4					
		Turbidimetry Abbott Architect Quantia ASO		3					
		<input checked="" type="radio"/> Turbidimetry Beckman Coulter Anti-Streptolysin O		7					
		Turbidimetry Roche Cobas Integra ASO		2					
		Turbidimetry Roche Tina-quant ASLO		22					
	Normal		13		-				100 %
		Abbott Alinity ASO		1					
		The Binding Site Optilite Anti-streptolysin O Kit		1					
		Turbidimetria Thermo Scientific Anti-Streptolysin O		1					
		Turbidimetry Abbott Architect Quantia ASO		1					
		Turbidimetry Beckman Coulter Anti-Streptolysin O		2					
		Turbidimetry Roche Cobas Integra ASO		1					
		Turbidimetry Roche Tina-quant ASLO		5					
		Turbidimetry, Instrumentation laboratory		1					
	Weak positive		1		-				0 %
		Turbidimetry Roche Tina-quant ASLO		1					
	Positive		12		-				0 %
		Abbott Alinity ASO		1					
		Abbott Architect Quantia ASO		1					
		Cormay A-400 ASO		1					
		Nephelometry Siemens NA Latex ASL		1					
		Siemens Atellica Antistreptolysin O (ASO)		1					
		Turbidimetry Abbott Architect Quantia ASO		1					
		Turbidimetry Beckman Coulter Anti-Streptolysin O		1					
		Turbidimetry Roche Cobas Integra ASO		1					
		Turbidimetry Roche Tina-quant ASLO		4					
	Total:		70		2	2	100 %	18.6 %	81.4 %

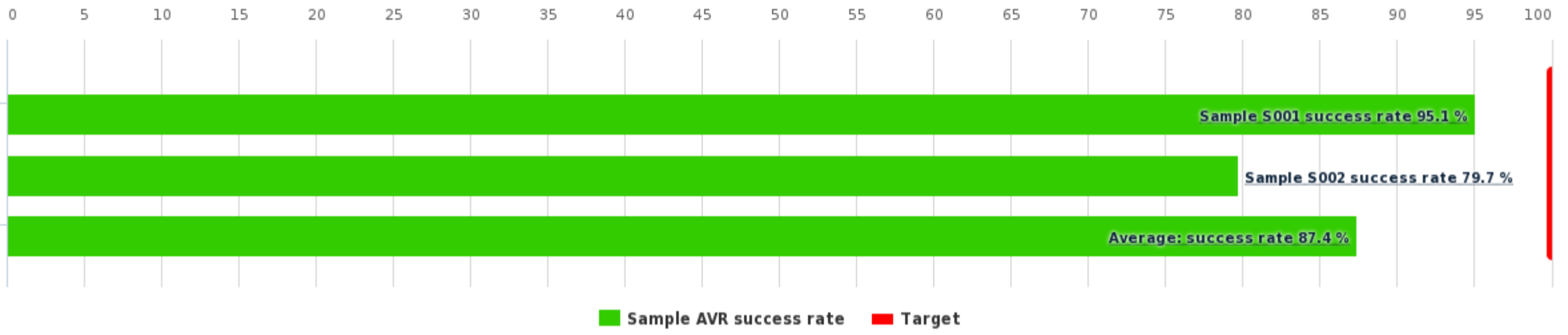
Antistreptolysin, semi-quantitative	Test result	Test	Test result count	Test count	Own score	Max score	Own success rate	Difference	AVR success rate
	Negative		15		-				100 %
		Biokit Rheumajet ASO		11					
		Biomaxima ASO latex		1					
		Cortez Diagnostics ASO Latex		1					
		Human Humatex ASO		1					
		Nal von minden NADAL ASO Latex Agglutination Test		1					
	Normal		7		-				100 %
		Biokit Rheumajet ASO		7					
	Weak positive		9		-				100 %
		Biokit Rheumajet ASO		9					
	Positive		10		-				0 %
		Biokit Rheumajet ASO		10					
	Total:		41		-	-	-	-	75.6 %

GLOBAL REPORT

	No of participants	No of responded participants	Response percentage
Antistreptolysin, February, 1-2023	128	123	96.1 %

Summary

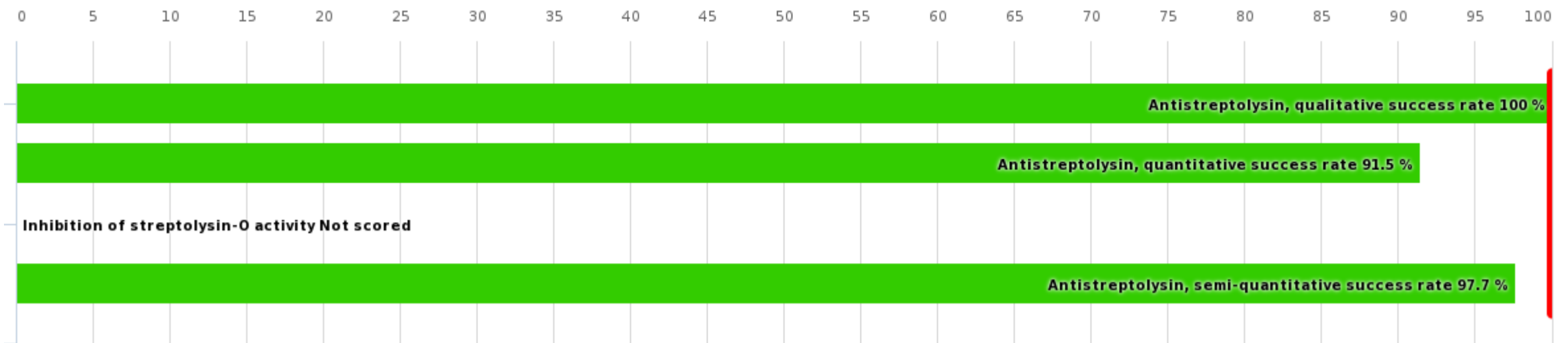
Overall success rate by samples



Summary	AVR success rate
Sample S001	95.1 %
Sample S002	79.7 %
Average:	87.4 %

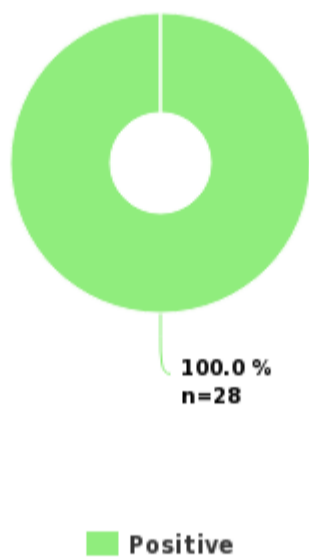
Sample S001

Sample S001 success rate

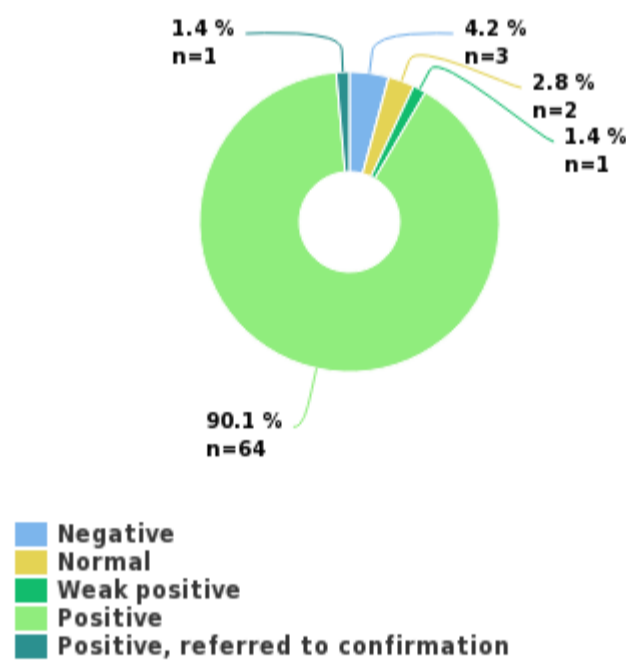


Sample S001 results	Responded	AVR success rate	Count
	Antistreptolysin, qualitative	100 %	28
	Antistreptolysin, quantitative	91.5 %	71
	Inhibition of streptolysin-O activity	-	1
	Antistreptolysin, semi-quantitative	97.7 %	43
	Total:	95.1 %	143

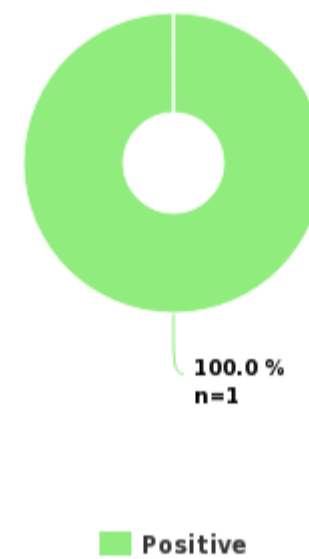
Sample S001 Antistreptolysin, qualitative



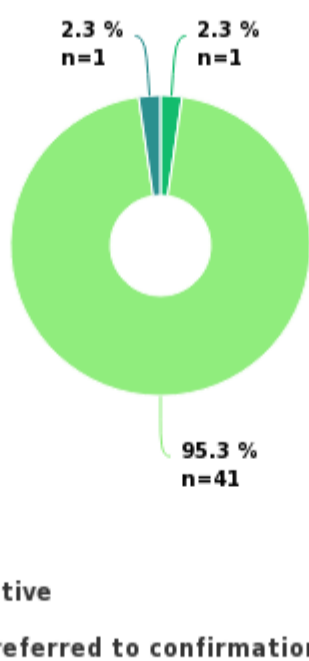
Sample S001 Antistreptolysin, quantitative



Sample S001 Inhibition of streptolysin-O activity



Sample S001 Antistreptolysin, semi-quantitative



Antistreptolysin, qualitative	Test result	Test	Test result count	Test count	AVR success rate	Test result Score
	Positive		28	1	100 %	2
		Atlas Medical ASO Latex				

		Bio-Bas ASO latex		1		
		Biokit Rheumajet ASO		23		
		Biosystems ASO		1		
		Serodia ASO		1		
		Streptozyme Fumouze		1		
	Total:			28		100 %

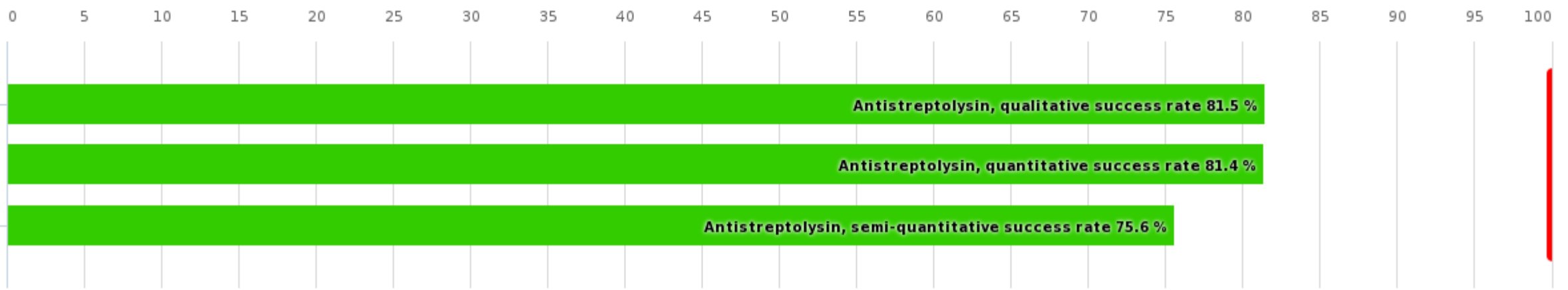
Antistreptolysin, quantitative	Test result	Test	Test result count	Test count	AVR success rate	Test result Score
	Negative		3		0 %	0
		Abbott Alinity ASO		1		
		Abbott Architect Quantia ASO		1		
		Turbidimetry Roche Tina-quant ASLO		1		
	Normal		2		0 %	0
		Turbidimetry Abbott Architect Quantia ASO		2		
	Weak positive		1		0 %	0
		Siemens Atellica NEPH 630 ASL		1		
	Positive		64		100 %	2
		Abbott Alinity ASO		4		
		Cormay A-400 ASO		1		
		Nephelometry Siemens NA Latex ASL		2		
		Siemens Atellica Antistreptolysin O (ASO)		3		
		Siemens Atellica NEPH 630 ASL		3		
		The Binding Site Optilite Anti-streptolysin O Kit		1		
		Turbidimetria Thermo Scientific Anti-Streptolysin O		1		
		Turbidimetry Abbott Architect Quantia ASO		4		
		Turbidimetry Beckman Coulter Anti-Streptolysin O		10		
		Turbidimetry Roche Cobas Integra ASO		4		
		Turbidimetry Roche Tina-quant ASLO		30		
		Turbidimetry, Instrumentation laboratory		1		
	Positive, referred to confirmation		1		100 %	2
		Turbidimetry Roche Tina-quant ASLO		1		
	Total:		71		91.5 %	

Inhibition of streptolysin-O activity	Test result	Test	Test result count	Test count	AVR success rate	Test result Score
	Positive		1		-	-
		Biomed Streptolysin O + human red cells		1		
	Total:		1			

Antistreptolysin, semi-quantitative	Test result	Test	Test result count	Test count	AVR success rate	Test result Score
	Weak positive		1		0 %	0
		Biokit Rheumajet ASO		1		
	Positive		41		100 %	2
		Biokit Rheumajet ASO		38		
		Biomaxima ASO latex		1		
		Cortez Diagnostics ASO Latex		1		
		Human Humatex ASO		1		
	Positive, referred to confirmation		1		100 %	2
		Nal von minden NADAL ASO Latex Agglutination Test		1		
	Total:		43		97.7 %	

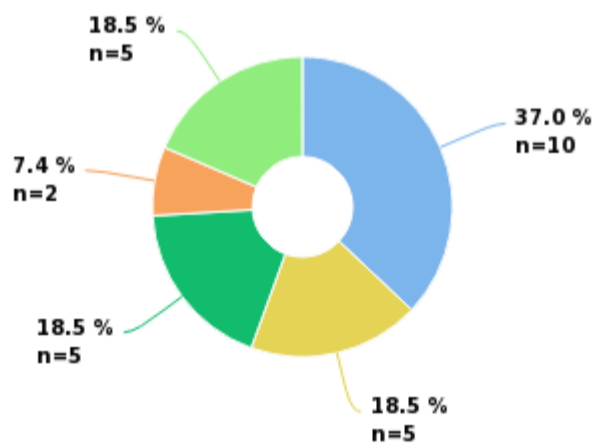
Sample S002

Sample S002 success rate



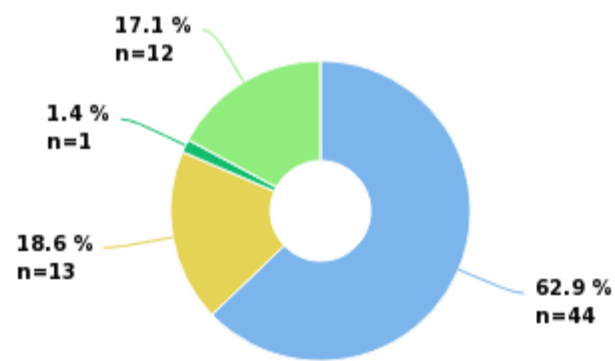
Sample S002 results	Responded	AVR success rate	Count
	Antistreptolysin, qualitative	81.5 %	27
	Antistreptolysin, quantitative	81.4 %	70
	Antistreptolysin, semi-quantitative	75.6 %	41
	Total:	79.7 %	138

Sample S002 Antistreptolysin, qualitative



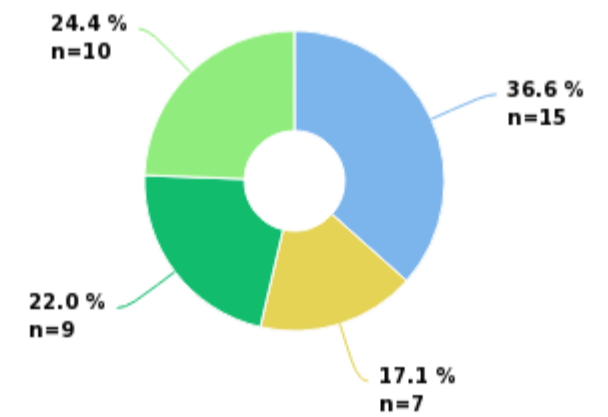
■ Negative
■ Normal
■ Weak positive
■ Weak positive, referred to confirmation
■ Positive

Sample S002 Antistreptolysin, quantitative



■ Negative
■ Normal
■ Weak positive
■ Positive

Sample S002 Antistreptolysin, semi-quantitative



■ Negative
■ Normal
■ Weak positive
■ Positive

Antistreptolysin, qualitative	Test result	Test	Test result count	Test count	AVR success rate	Test result Score
	Negative		10		100 %	2
		Biokit Rheumajet ASO		8		
		Biosystems ASO		1		
		Streptozyme Fumouze		1		
	Normal		5		100 %	2
		Biokit Rheumajet ASO		4		
		Serodia ASO		1		
	Weak positive		5		100 %	2
		Biokit Rheumajet ASO		5		
	Weak positive, referred to confirmation		2		100 %	2
		Biokit Rheumajet ASO		2		
	Positive		5		0 %	0
		Biokit Rheumajet ASO		5		
	Total:		27		81.5 %	

Antistreptolysin, quantitative	Test result	Test	Test result count	Test count	AVR success rate	Test result Score
	Negative		44		100 %	2
		Abbott Alinity ASO		3		
		Nephelometry Siemens NA Latex ASL		1		
		Siemens Atellica Antistreptolysin O (ASO)		2		
		Siemens Atellica NEPH 630 ASL		4		
		Turbidimetry Abbott Architect Quantia ASO		3		

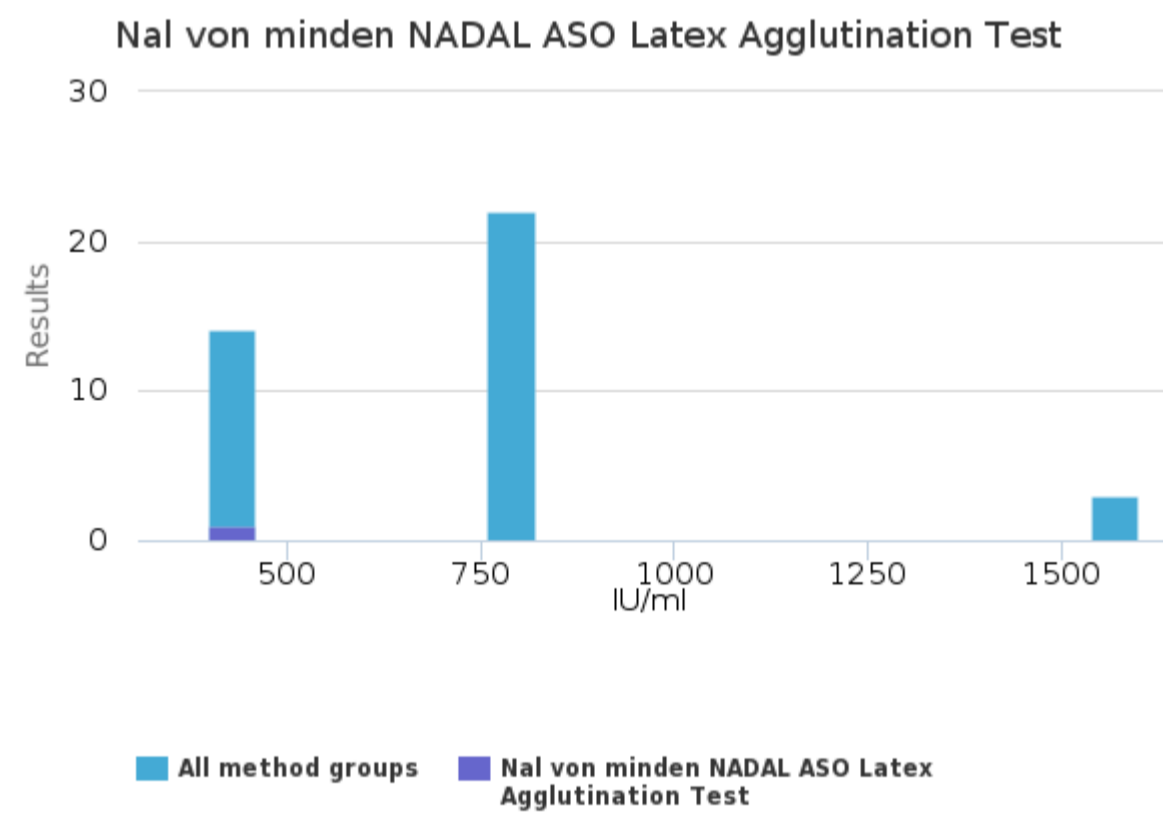
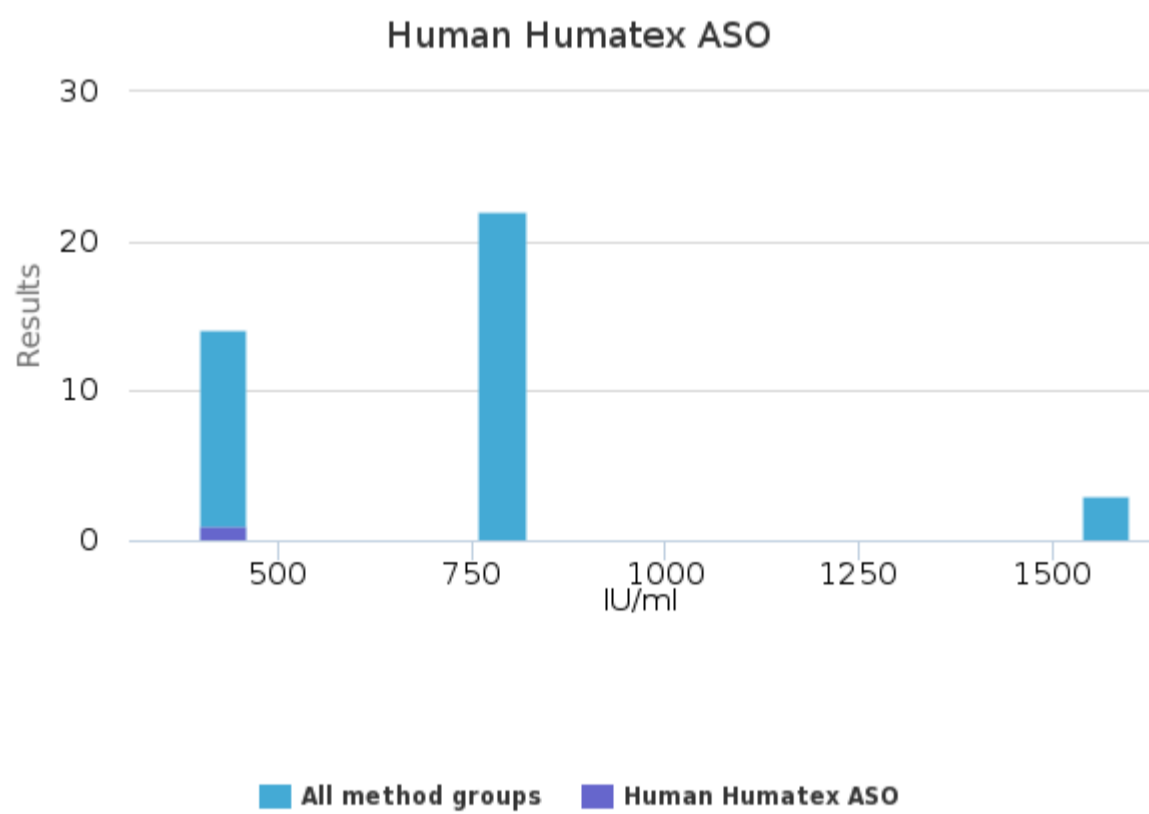
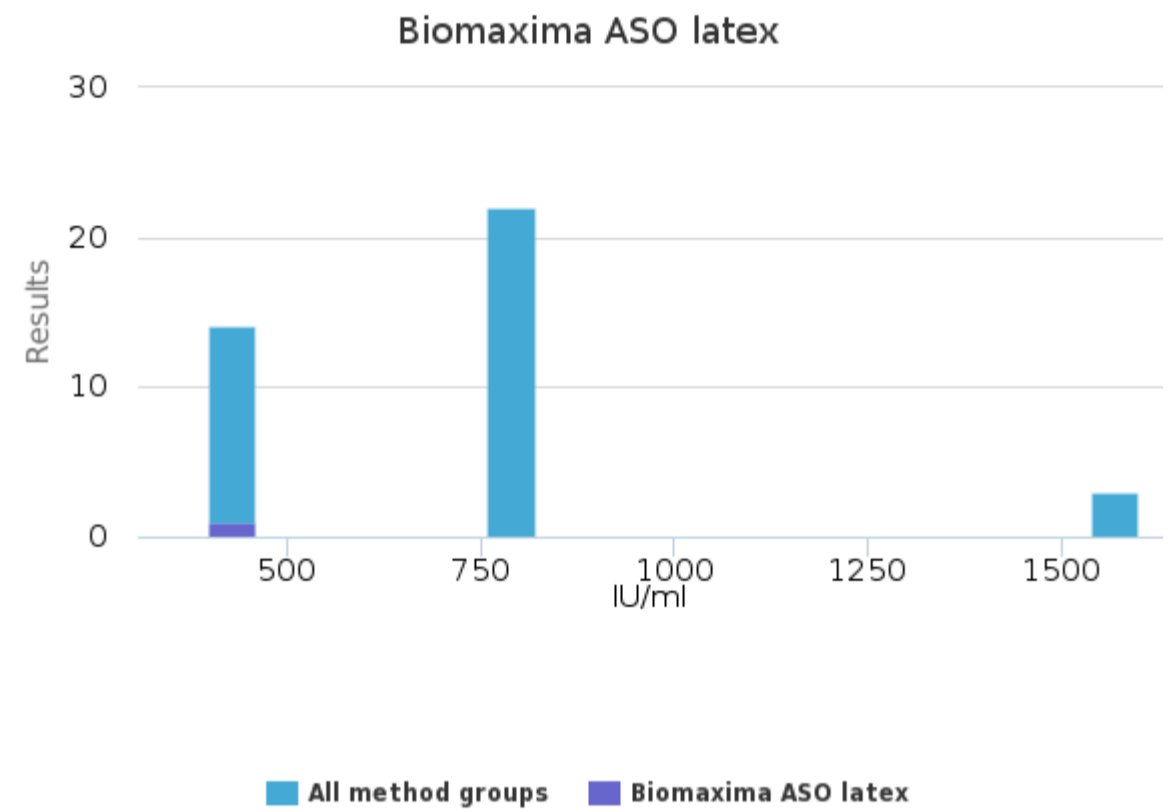
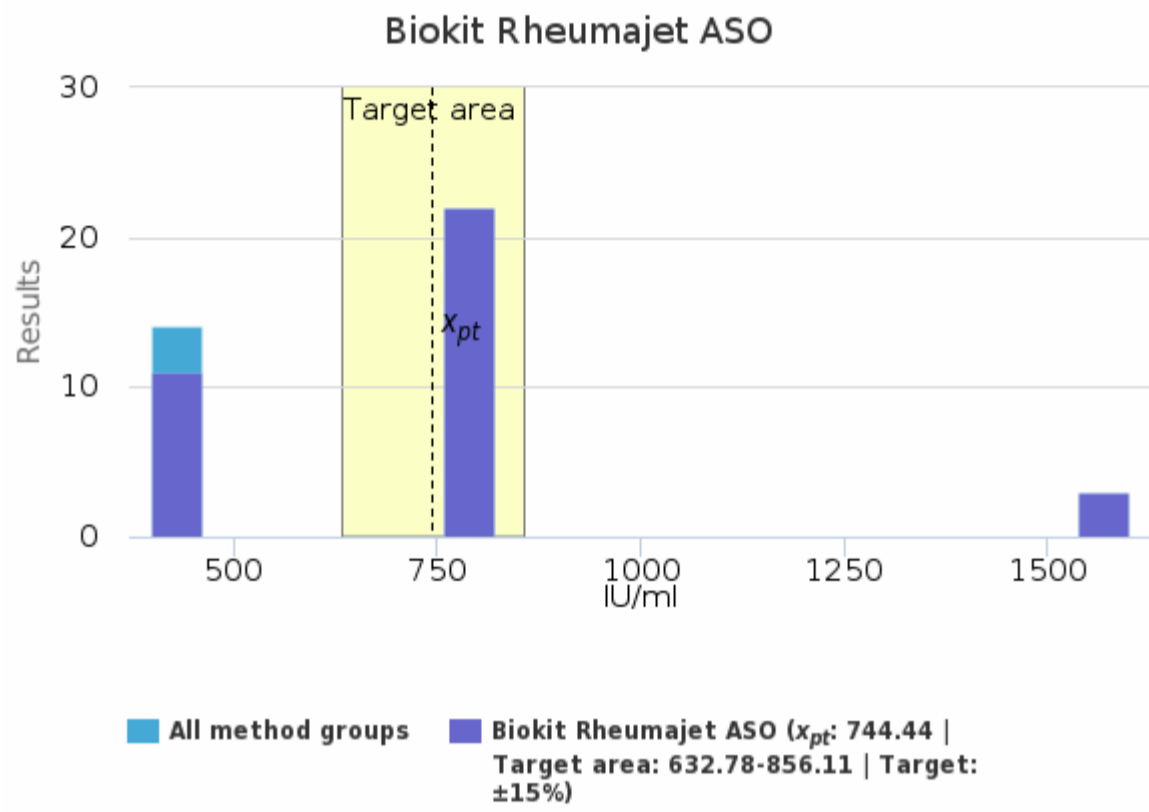
		Turbidimetry Beckman Coulter Anti-Streptolysin O		7		
		Turbidimetry Roche Cobas Integra ASO		2		
		Turbidimetry Roche Tina-quant ASLO		22		
	Normal		13		100 %	2
		Abbott Alinity ASO		1		
		The Binding Site Optilite Anti-streptolysin O Kit		1		
		Turbidimetria Thermo Scientific Anti-Streptolysin O		1		
		Turbidimetry Abbott Architect Quantia ASO		1		
		Turbidimetry Beckman Coulter Anti-Streptolysin O		2		
		Turbidimetry Roche Cobas Integra ASO		1		
		Turbidimetry Roche Tina-quant ASLO		5		
		Turbidimetry, Instrumentation laboratory		1		
	Weak positive		1		0 %	0
		Turbidimetry Roche Tina-quant ASLO		1		
	Positive		12		0 %	0
		Abbott Alinity ASO		1		
		Abbott Architect Quantia ASO		1		
		Cormay A-400 ASO		1		
		Nephelometry Siemens NA Latex ASL		1		
		Siemens Atellica Antistreptolysin O (ASO)		1		
		Turbidimetry Abbott Architect Quantia ASO		1		
		Turbidimetry Beckman Coulter Anti-Streptolysin O		1		
		Turbidimetry Roche Cobas Integra ASO		1		
		Turbidimetry Roche Tina-quant ASLO		4		
	Total:		70		81.4 %	

Antistreptolysin, semi-quantitative	Test result	Test	Test result count	Test count	AVR success rate	Test result Score
	Negative		15		100 %	2
		Biokit Rheumajet ASO		11		
		Biomaxima ASO latex		1		
		Cortez Diagnostics ASO Latex		1		
		Human Humatex ASO		1		
		Nal von minden NADAL ASO Latex Agglutination Test		1		
	Normal		7		100 %	2
		Biokit Rheumajet ASO		7		
	Weak positive		9		100 %	2
		Biokit Rheumajet ASO		9		
	Positive		10		0 %	0
		Biokit Rheumajet ASO		10		
	Total:		41		75.6 %	

Sample S001 | Antistreptolysin, semi-quantitative, IU/ml

Methodics	x_{pt}	Median	sd	CV%	SEM	min	max	Outliers	n
Biokit Rheumajet ASO	744.44	800.00	319.32	42.9	53.22	400.00	1600.00	-	36
Biomaxima ASO latex	-	-	-	-	-	400.00	400.00	-	1
Human Humatex ASO	-	-	-	-	-	400.00	400.00	-	1
Nal von minden NADAL ASO Latex Agglutination Test	-	-	-	-	-	400.00	400.00	-	1
All	717.95	800.00	320.26	44.6	51.28	400.00	1600.00	-	39

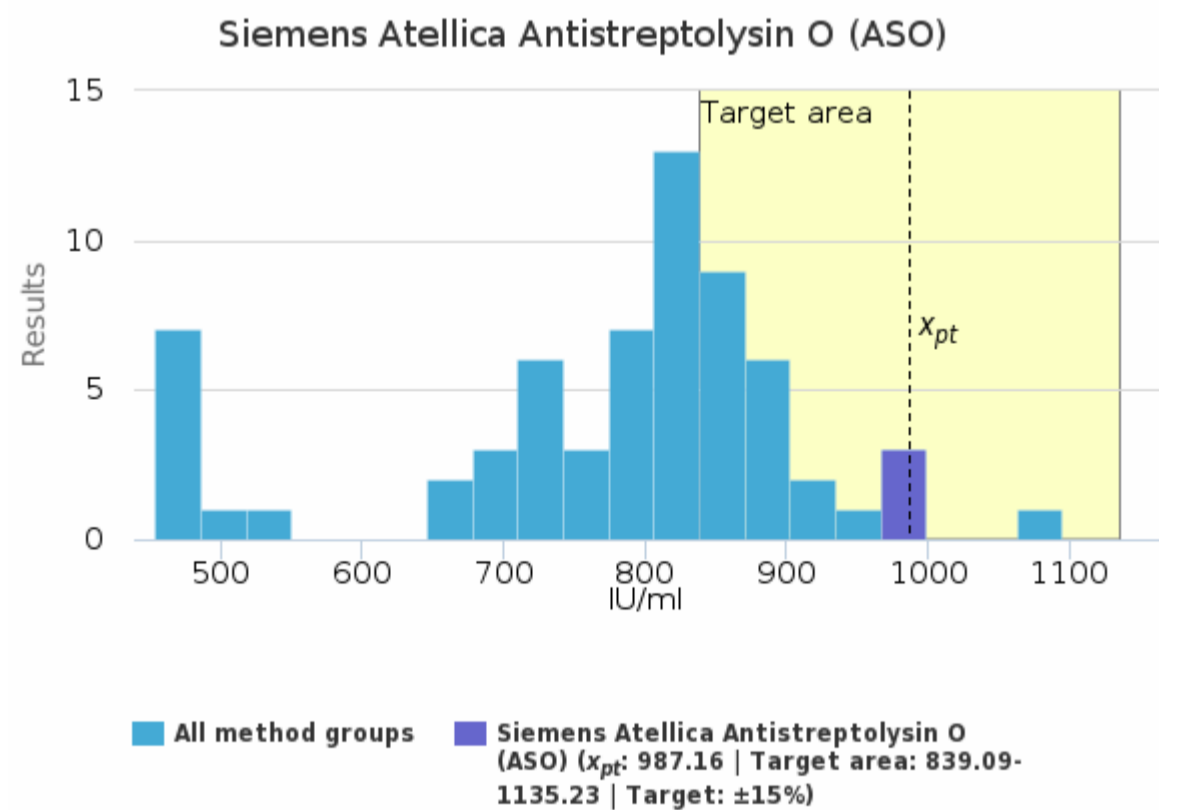
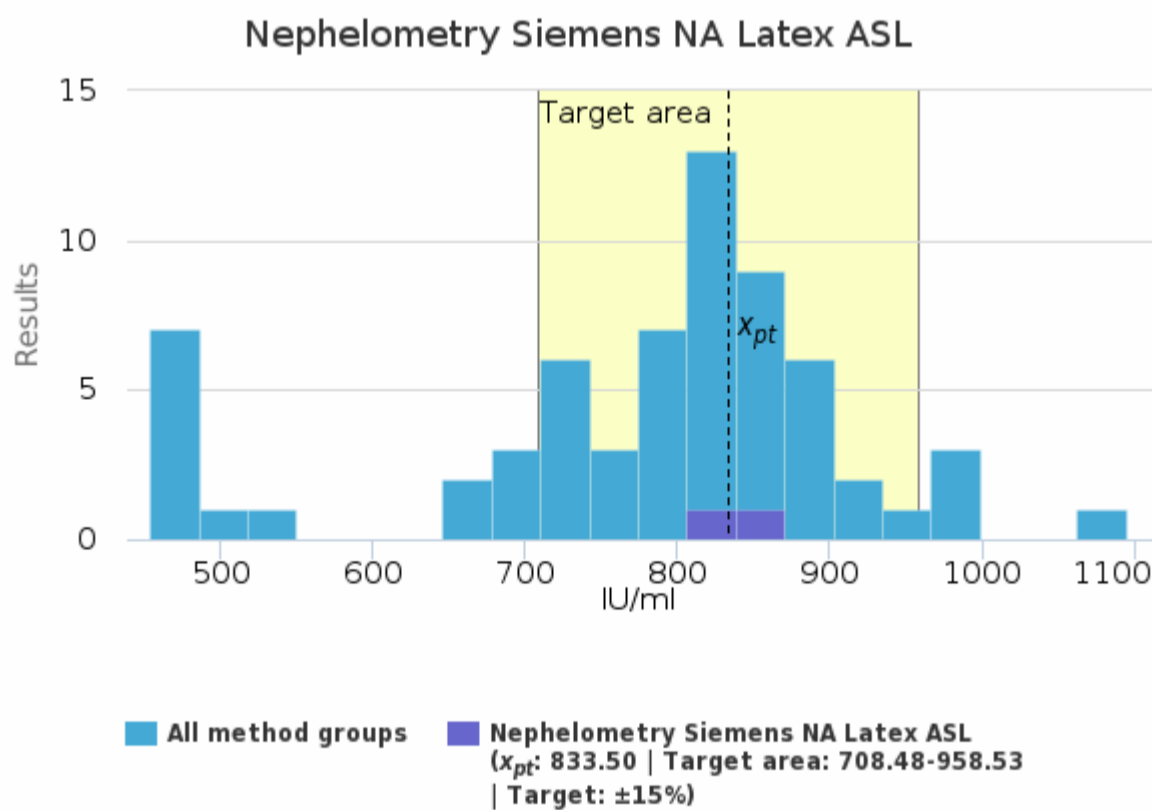
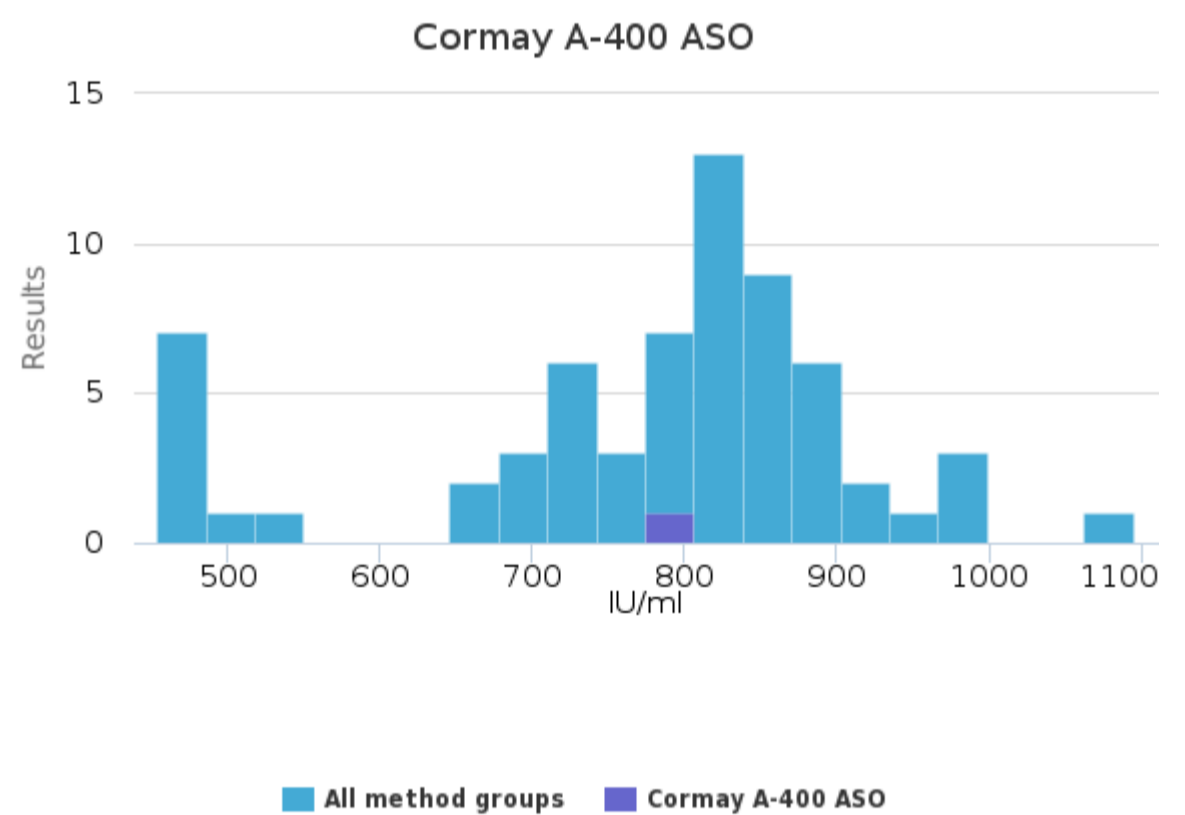
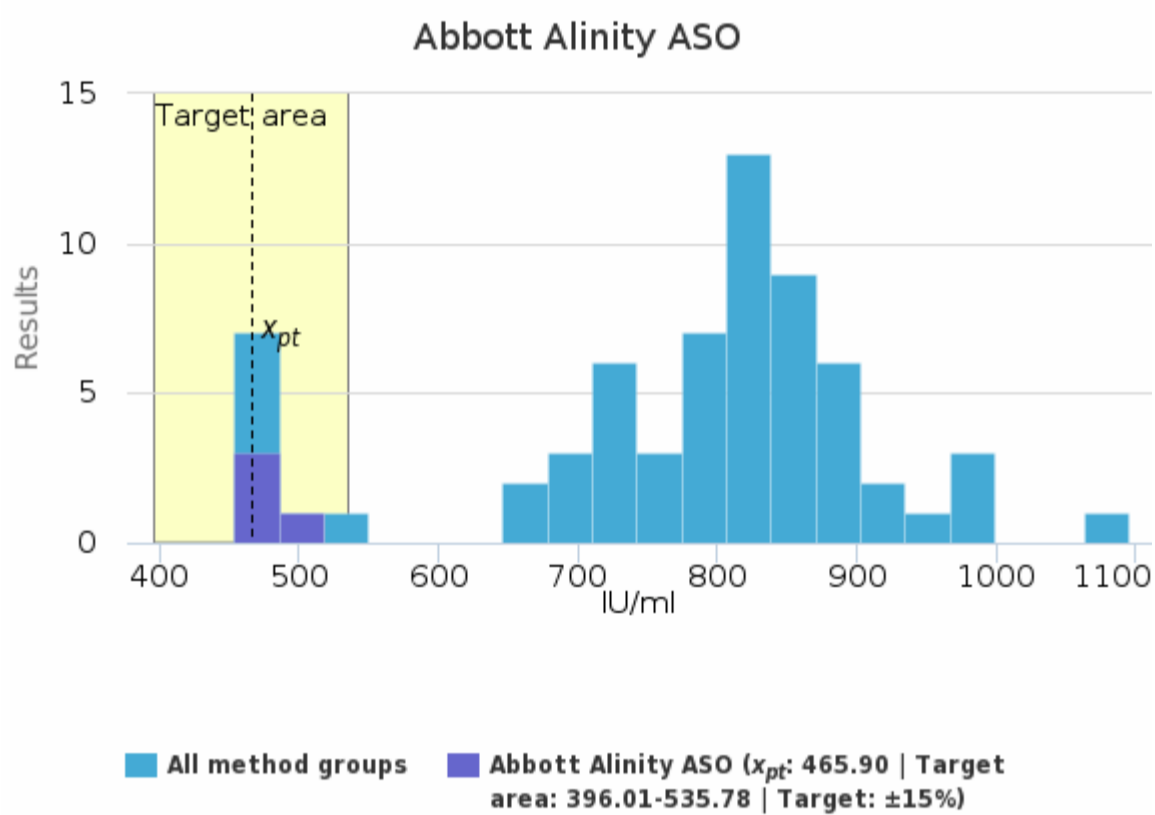
Sample S001 | Antistreptolysin, semi-quantitative, IU/ml | histogram summaries in LabScala

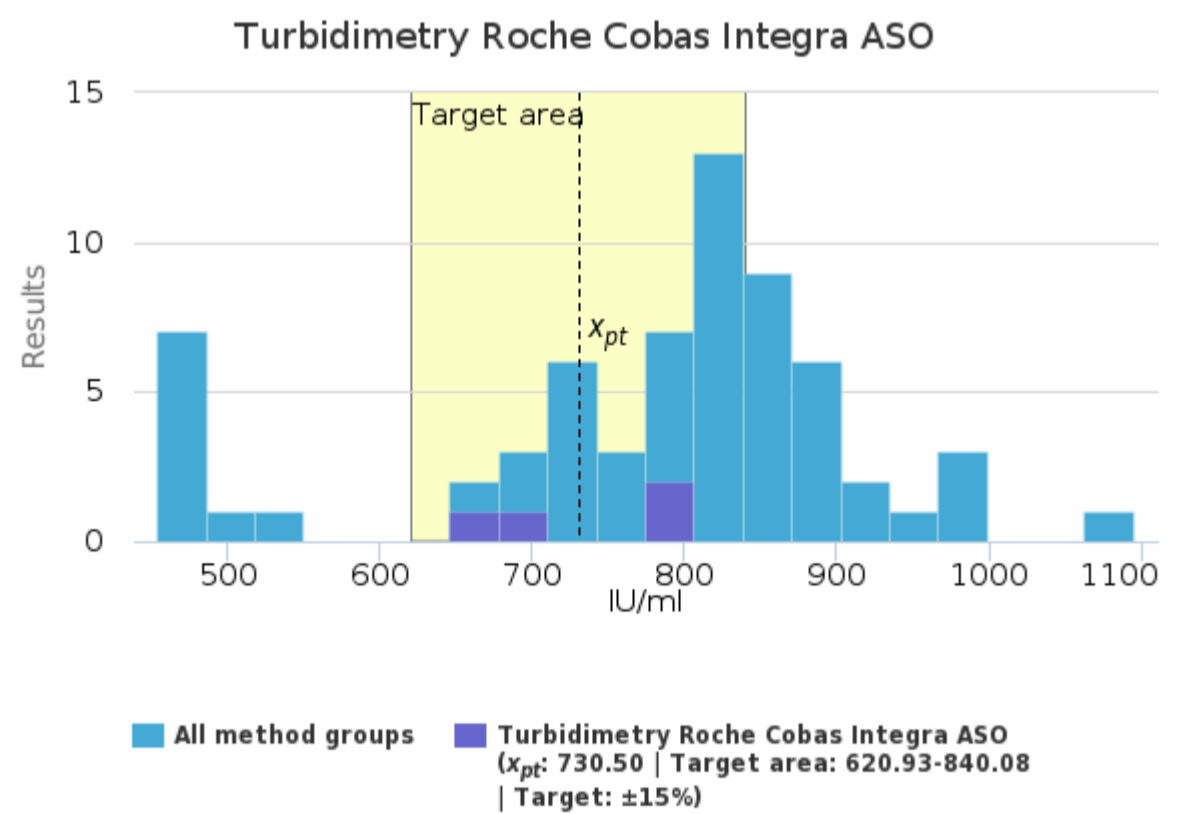
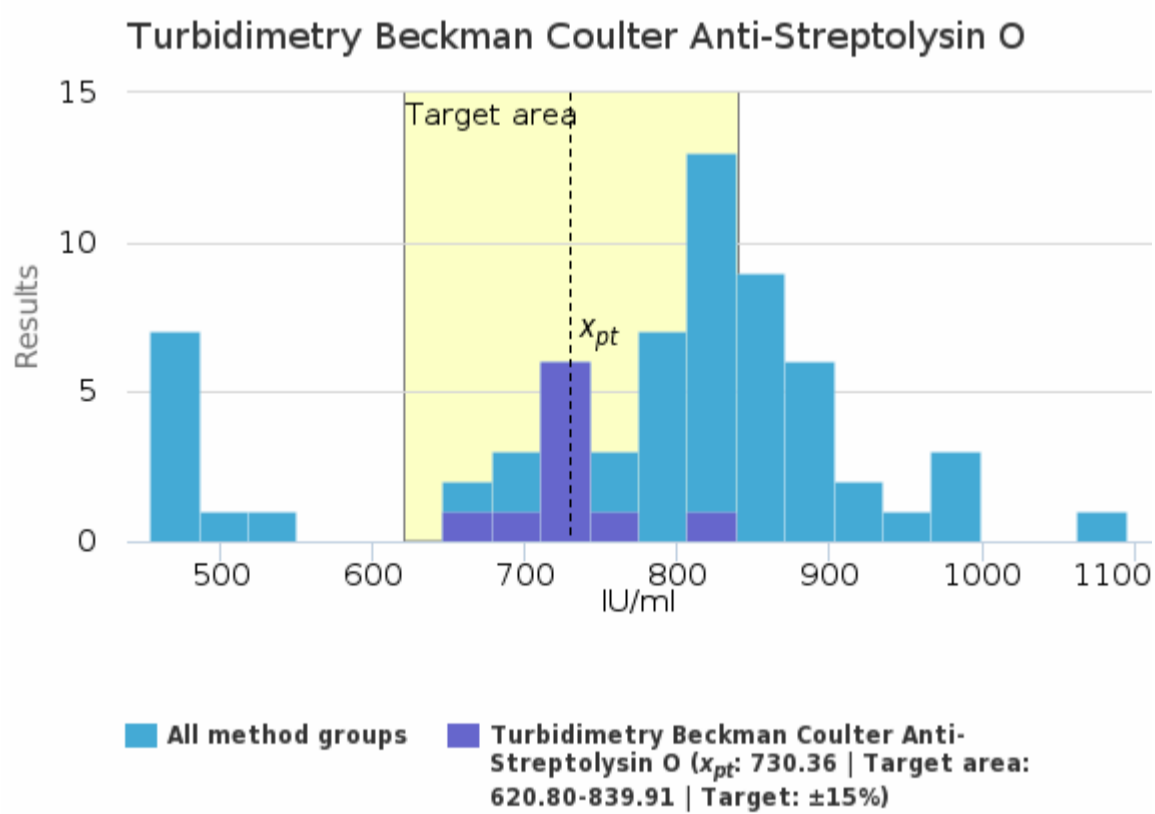
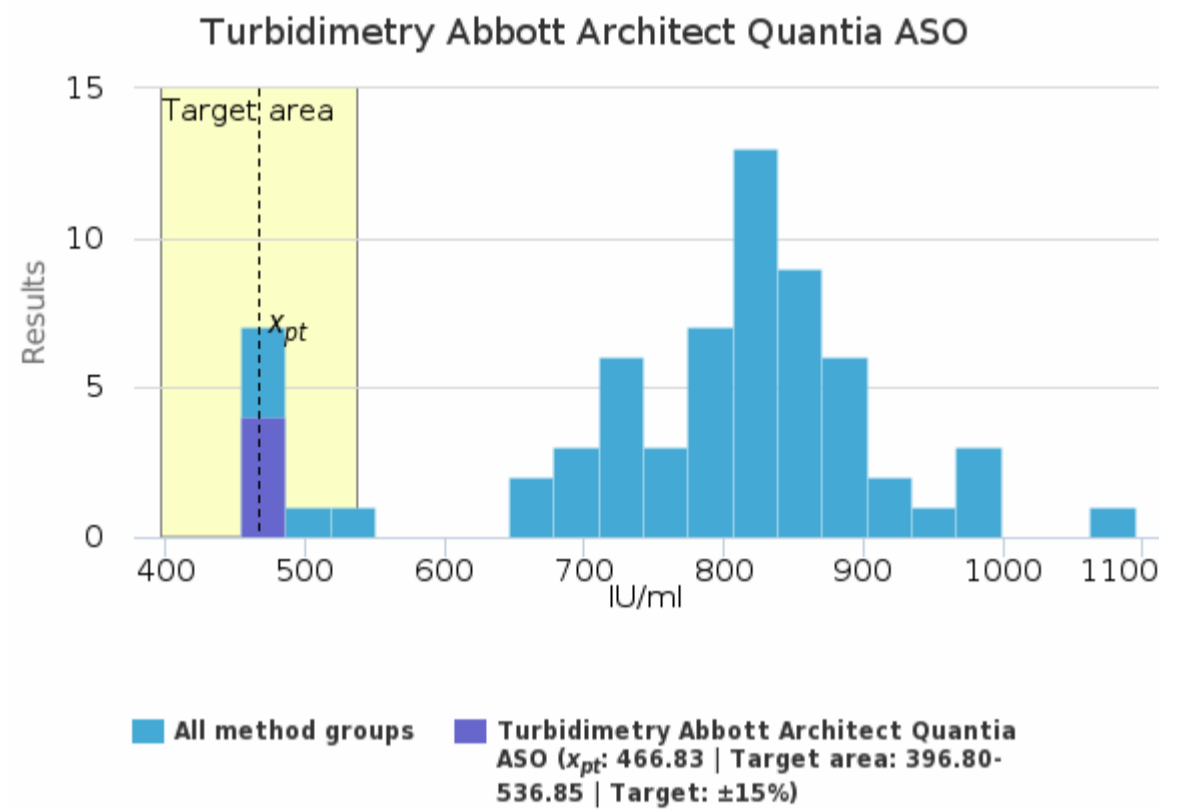
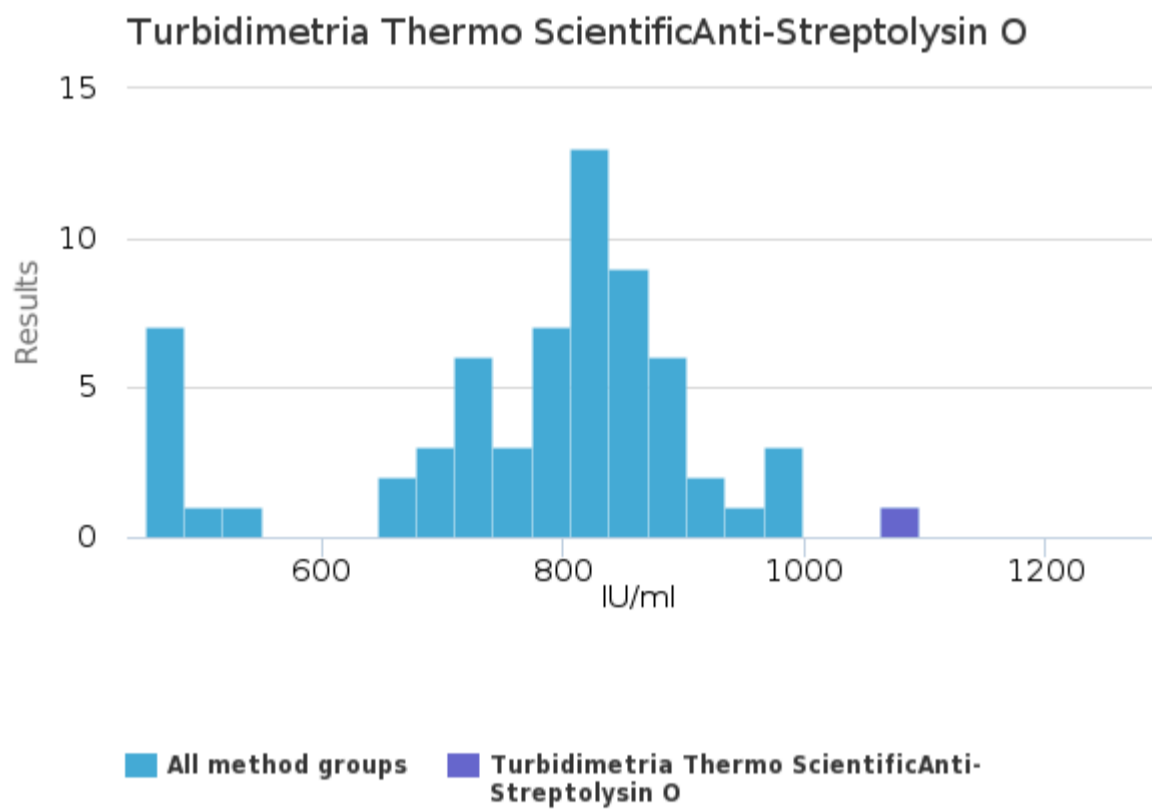
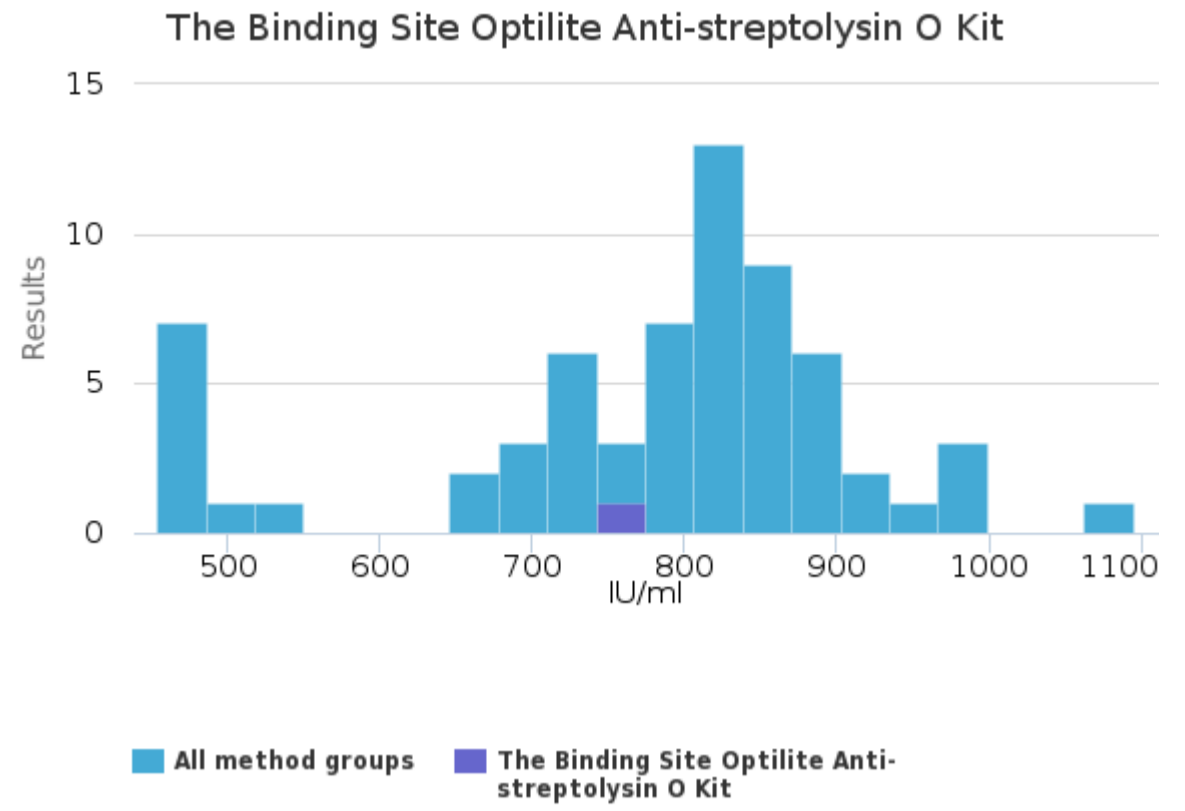
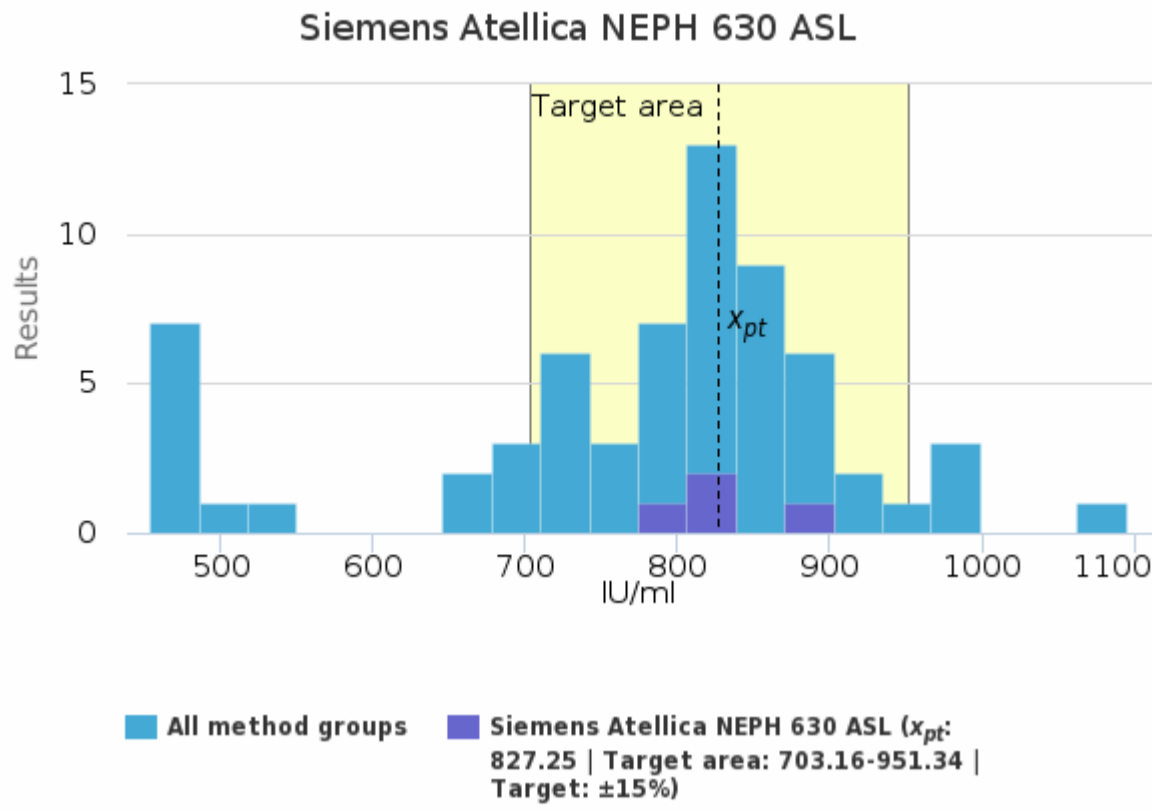


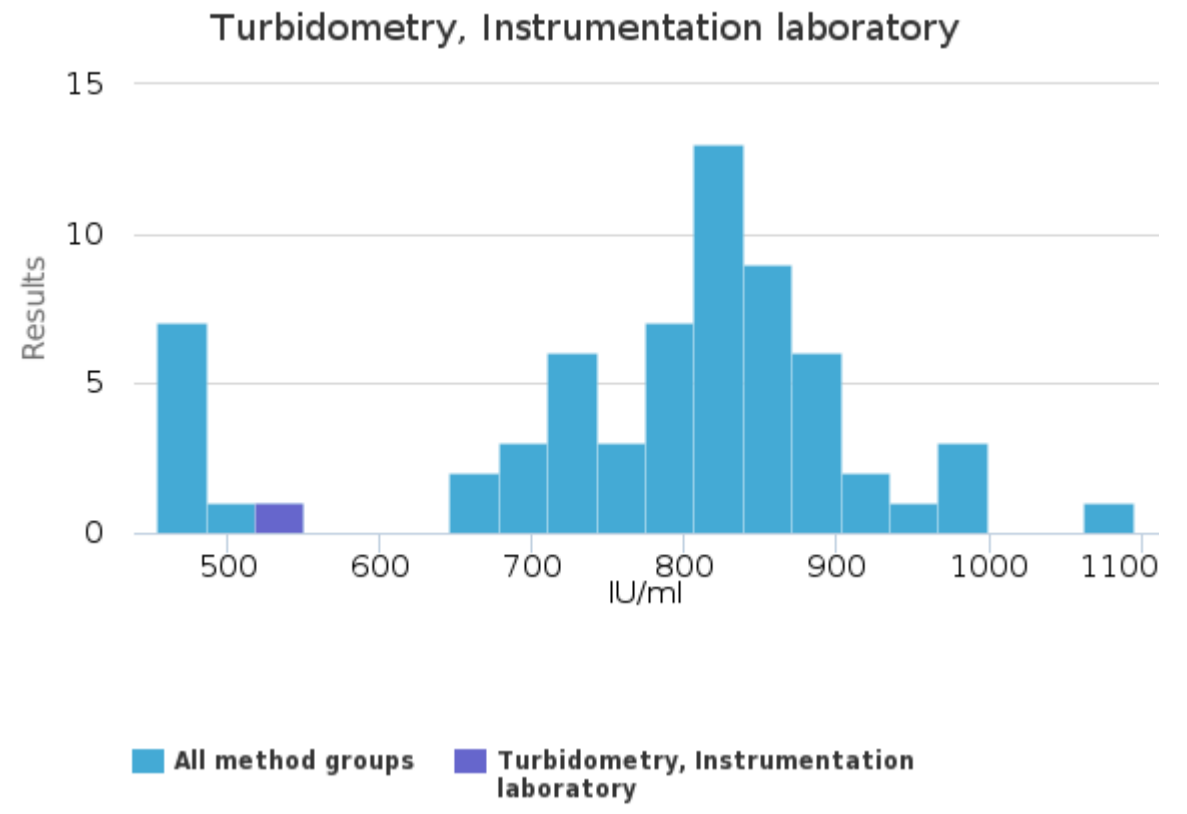
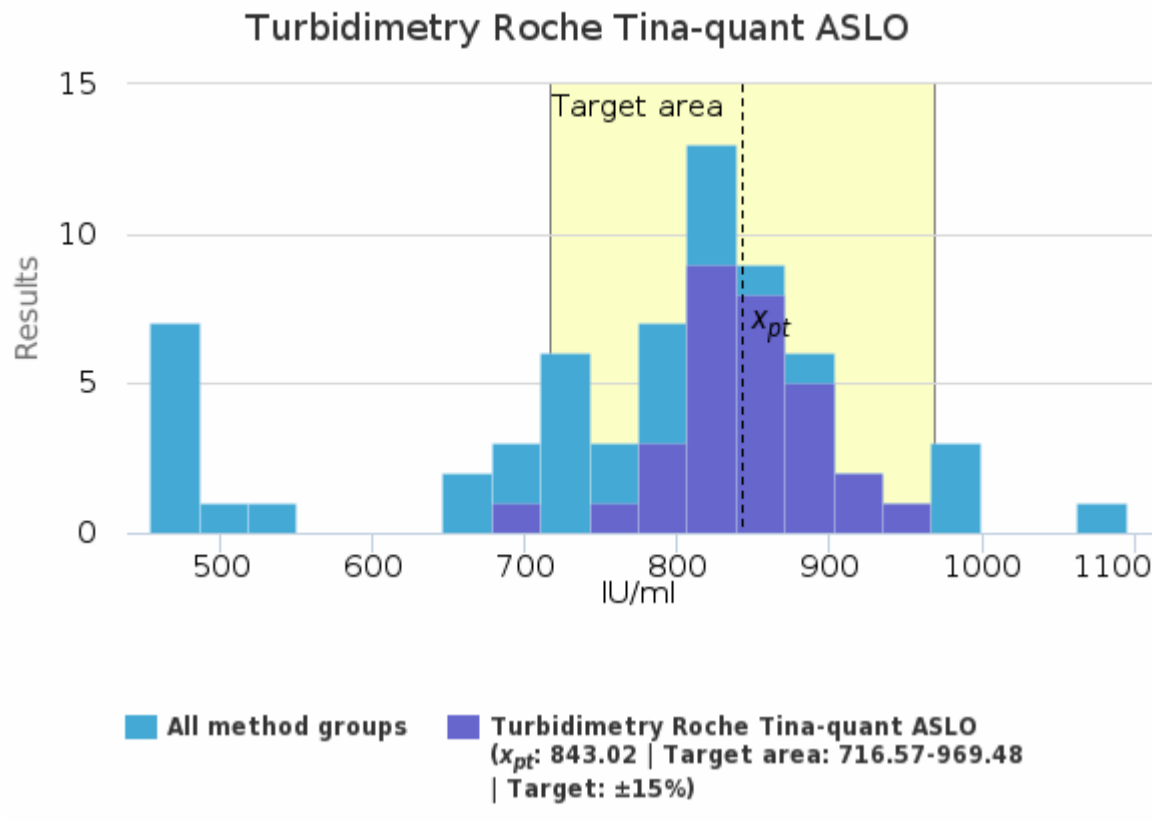
Sample S001 | Antistreptolysin, quantitative, IU/ml

Methodics	x_{pt}	Median	sd	CV%	SEM	min	max	Outliers	n
Abbott Alinity ASO	465.90	455.79	21.42	4.6	10.71	454.00	498.00	-	4
Cormay A-400 ASO	-	-	-	-	-	775.50	775.50	-	1
Nephelometry Siemens NA Latex ASL	833.50	833.50	24.75	3.0	17.50	816.00	851.00	-	2
Siemens Atellica Antistreptolysin O (ASO)	987.16	991.00	11.26	1.1	6.50	974.48	996.00	-	3
Siemens Atellica NEPH 630 ASL	827.25	830.00	39.22	4.7	19.61	777.00	872.00	-	4
The Binding Site Optilite Anti-streptolysin O Kit	-	-	-	-	-	769.00	769.00	-	1
Turbidimetria Thermo Scientific Anti-Streptolysin O	-	-	-	-	-	1095.00	1095.00	-	1
Turbidimetry Abbott Architect Quantia ASO	466.83	467.00	3.15	0.7	1.58	462.80	470.50	-	4
Turbidimetry Beckman Coulter Anti-Streptolysin O	730.36	723.95	41.47	5.7	13.11	677.00	833.00	-	10
Turbidimetry Roche Cobas Integra ASO	730.50	736.50	74.27	10.2	37.14	650.00	799.00	-	4
Turbidimetry Roche Tina-quant ASLO	843.02	839.50	49.09	5.8	8.96	696.00	941.00	-	30
Turbidometry, Instrumentation laboratory	-	-	-	-	-	541.00	541.00	-	1
All	774.85	816.00	145.10	18.7	18.00	454.00	1095.00	-	65

Sample S001 | Antistreptolysin, quantitative, IU/ml| histogram summaries in LabScala



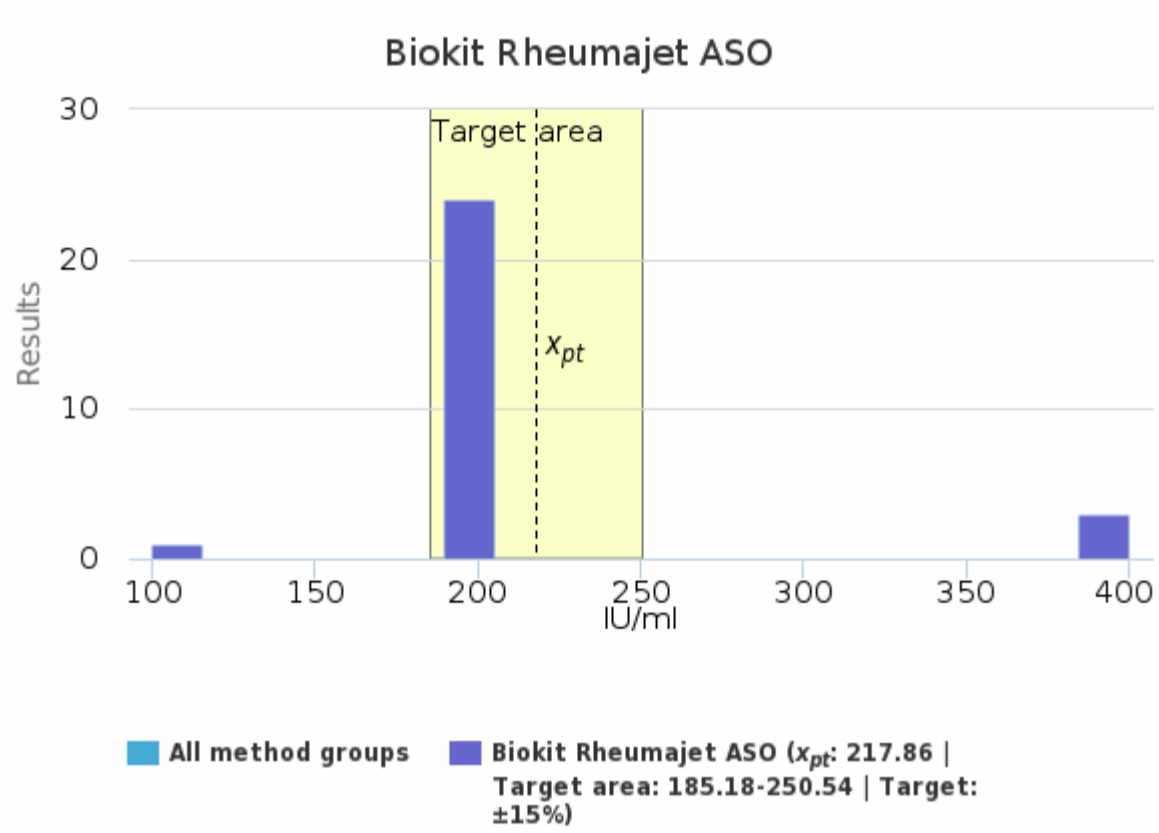




Sample S002 | Antistreptolysin, semi-quantitative, IU/ml

Methodics	x_{pt}	Median	sd	CV%	SEM	min	max	Outliers	n
Biokit Rheumajet ASO	217.86	200.00	66.96	30.7	12.65	100.00	400.00	-	28
All	217.86	200.00	66.96	30.7	12.65	100.00	400.00	-	28

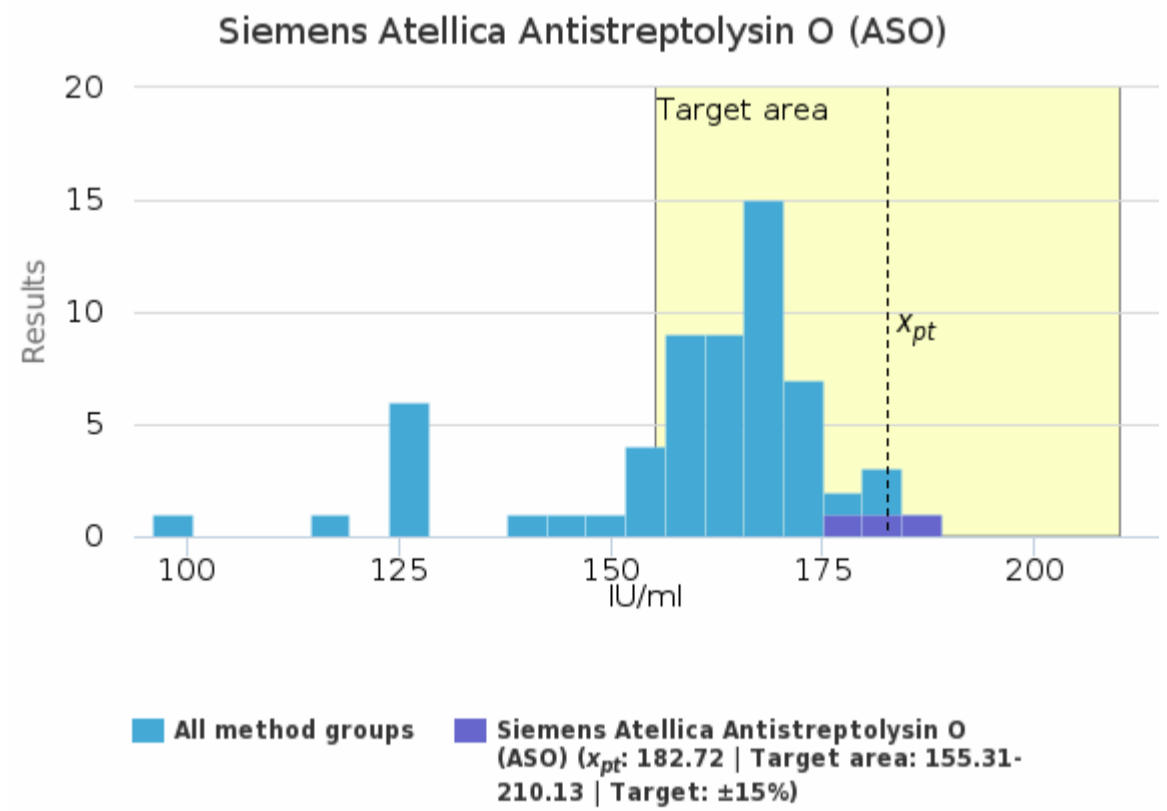
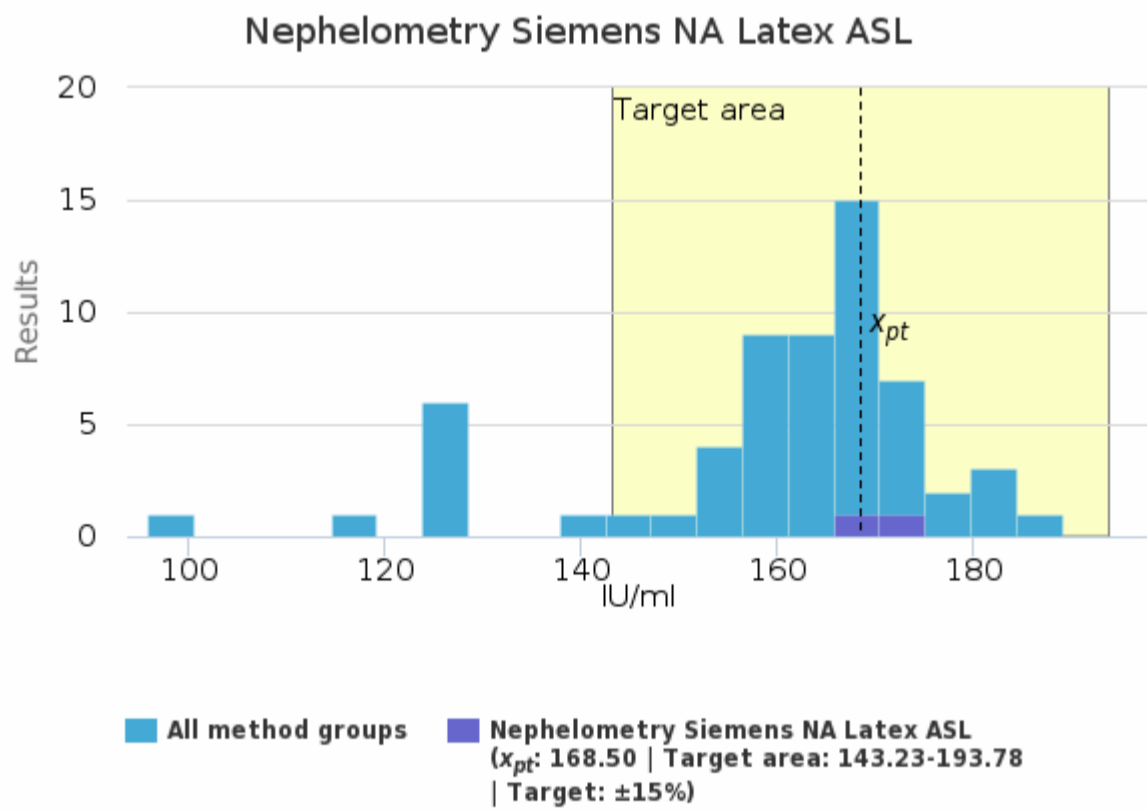
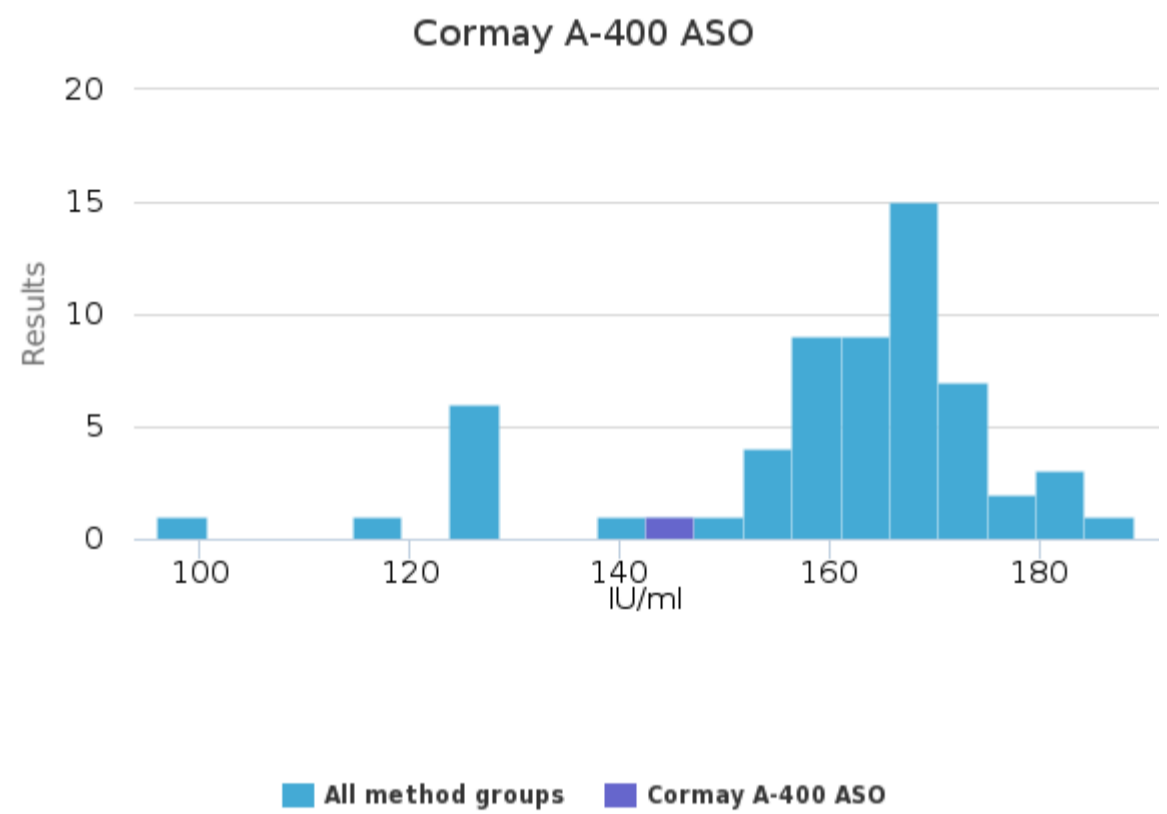
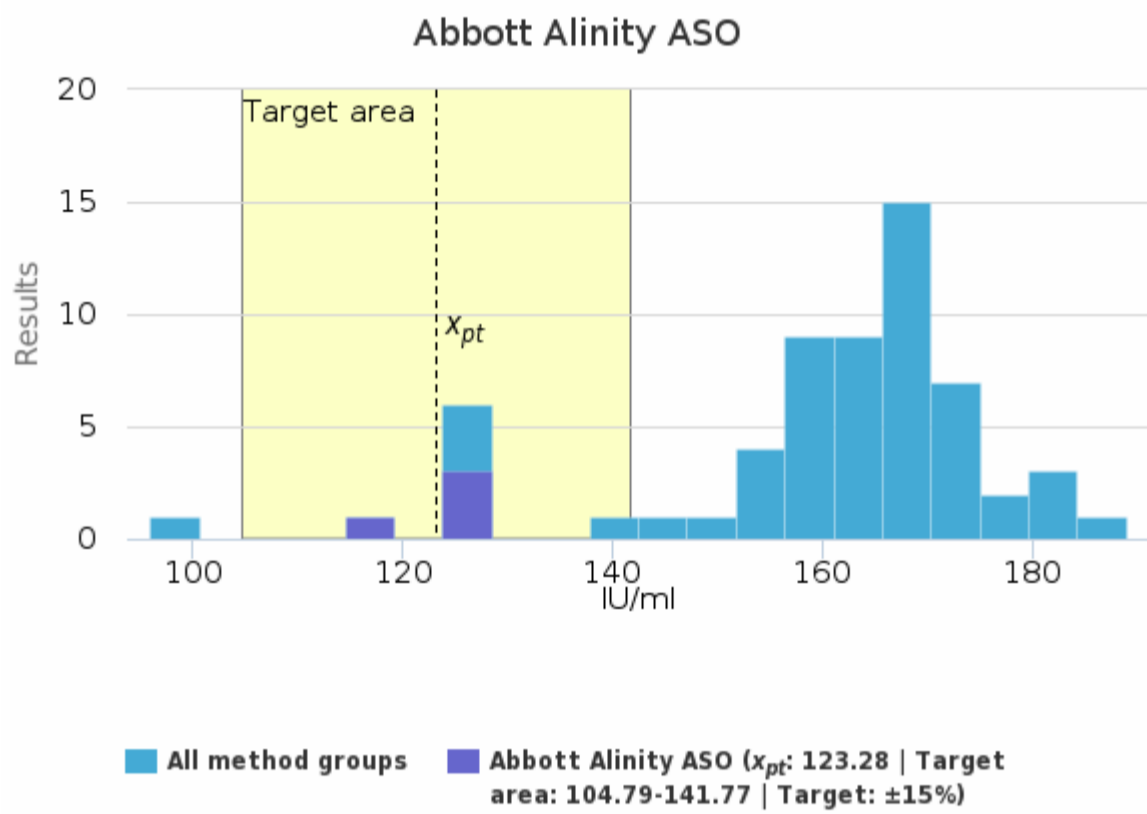
Sample S002 | Antistreptolysin, semi-quantitative, IU/ml | histogram summaries in LabScala

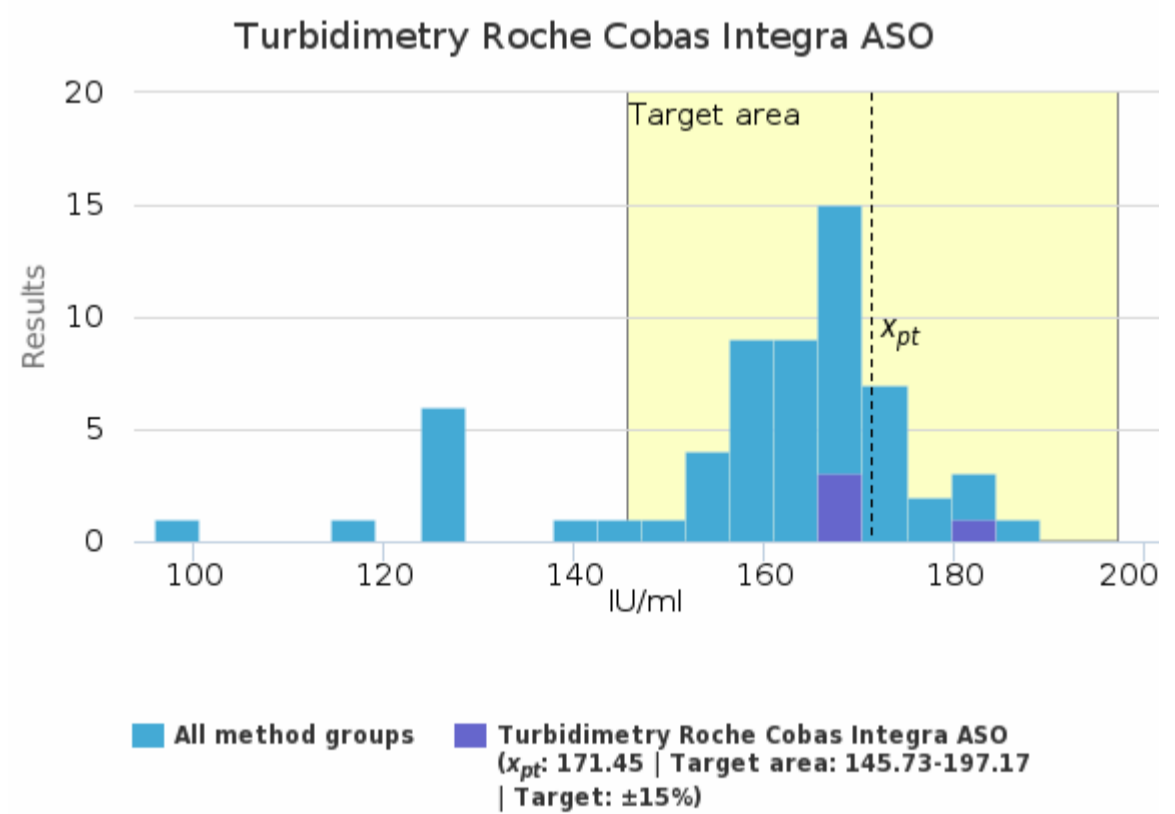
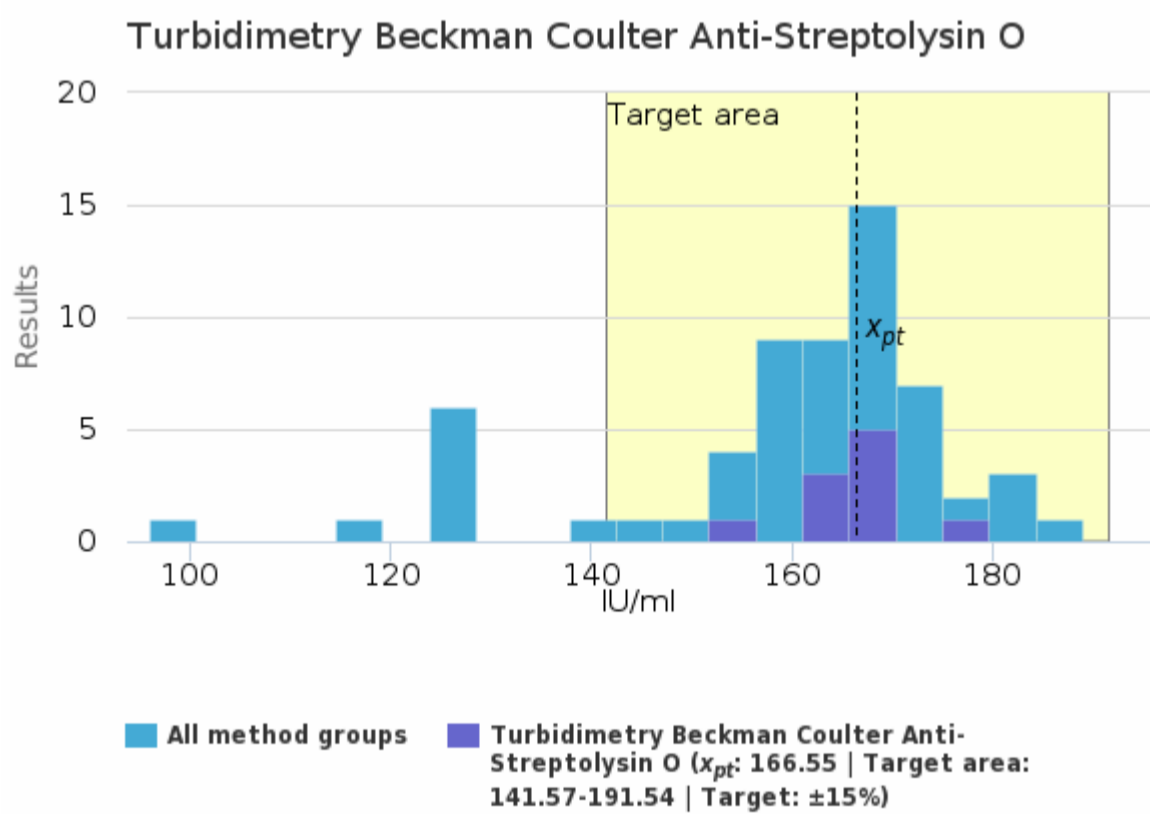
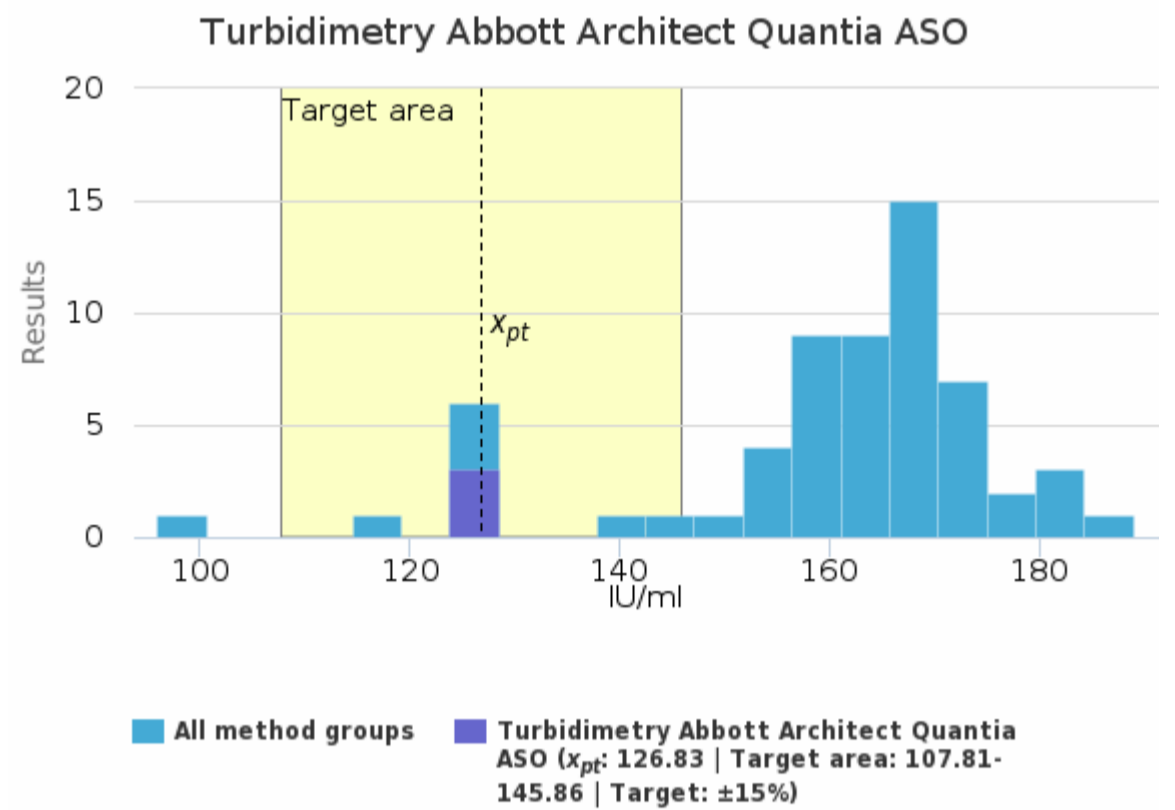
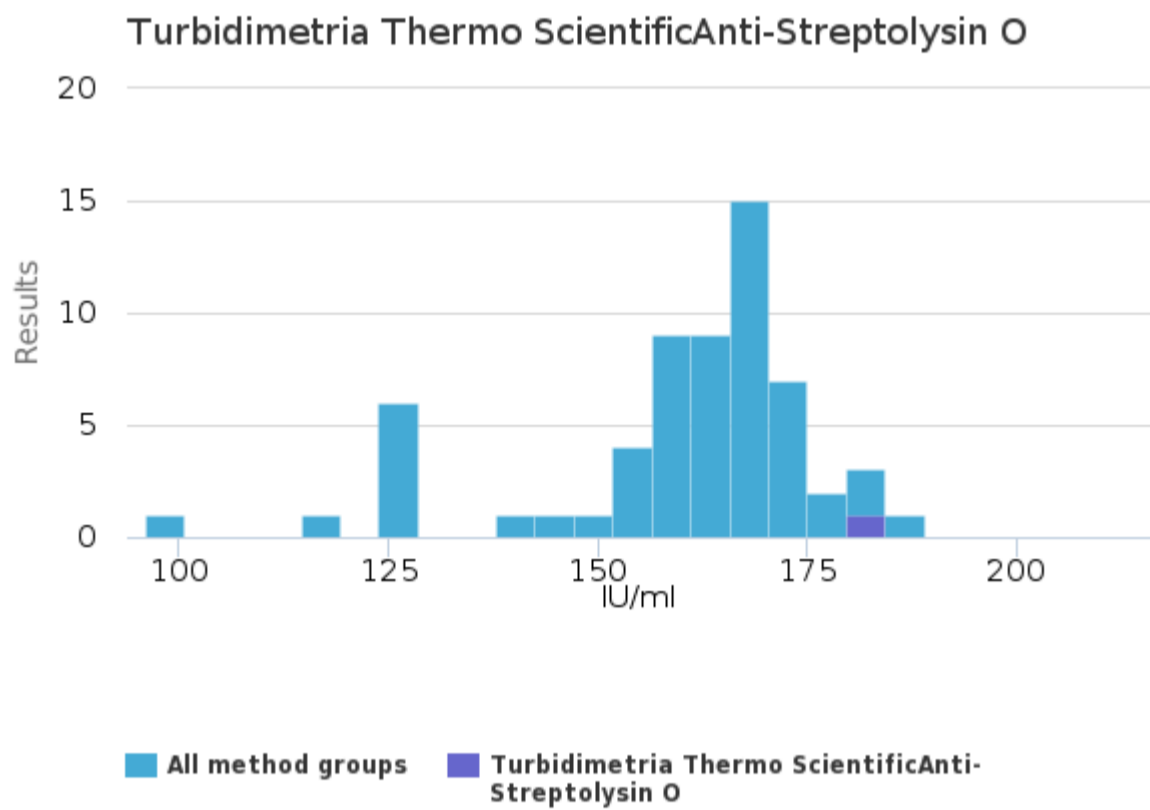
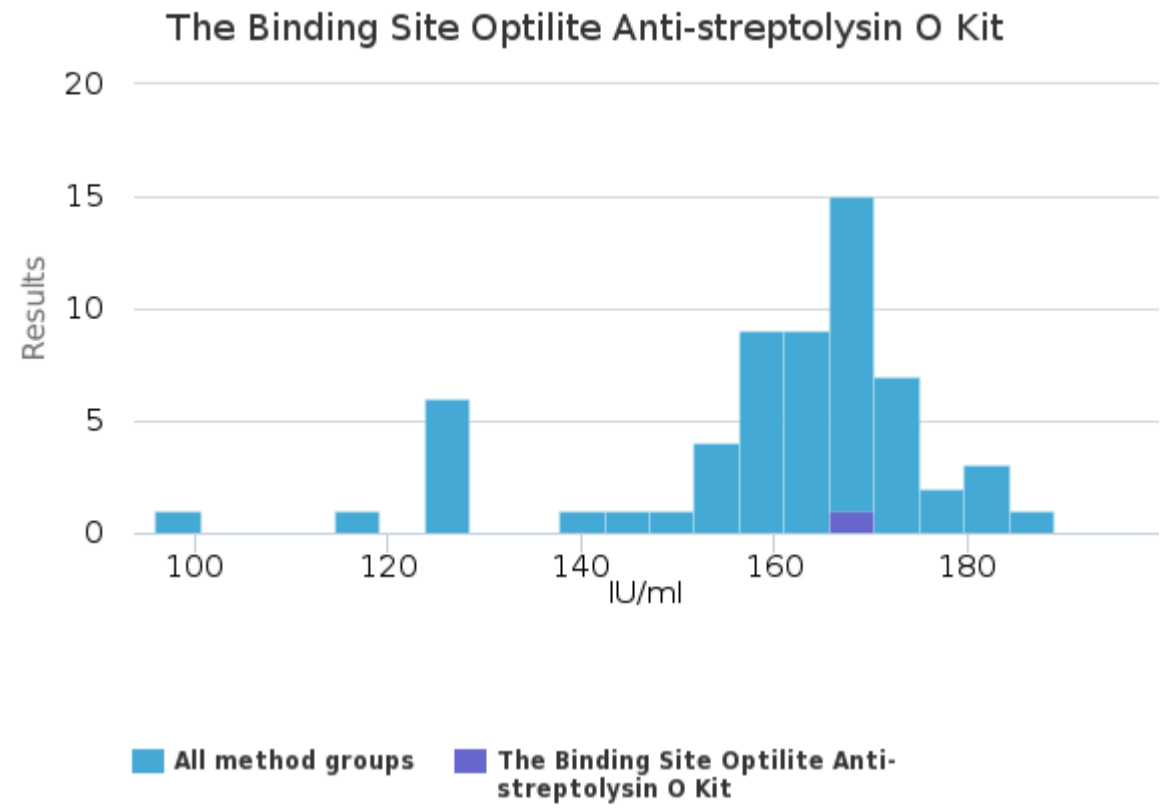
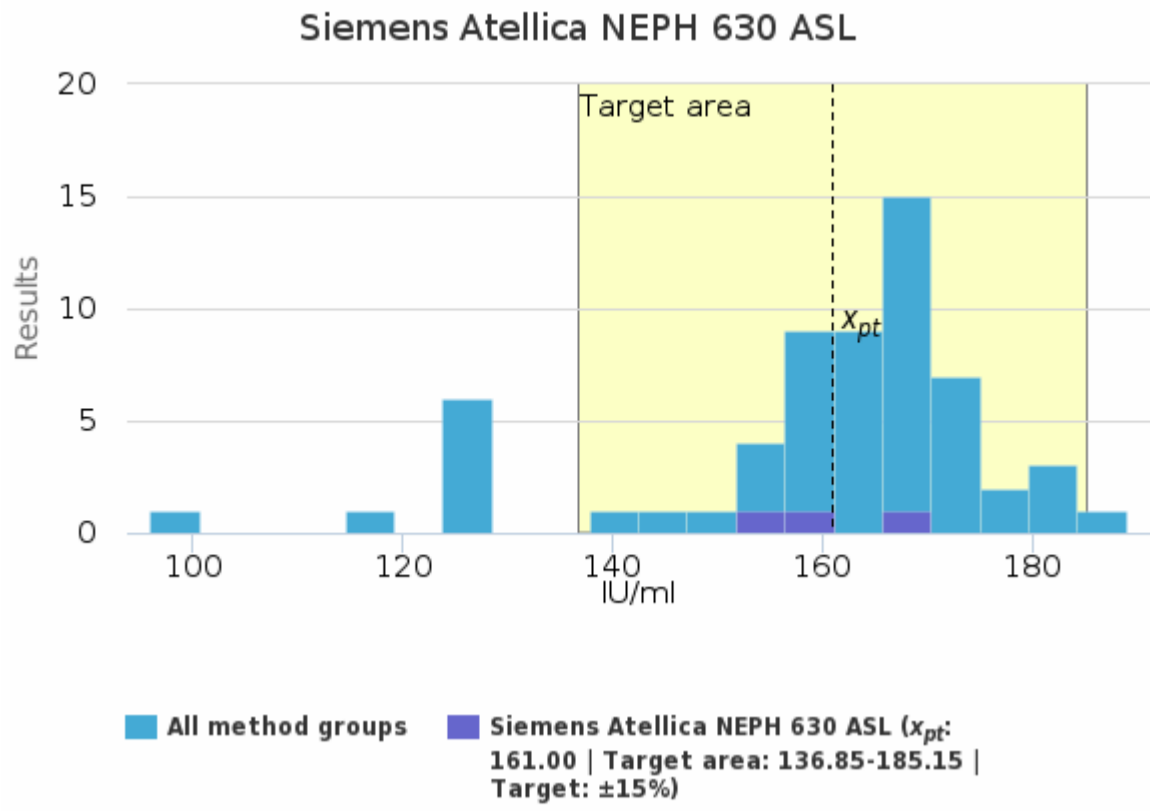


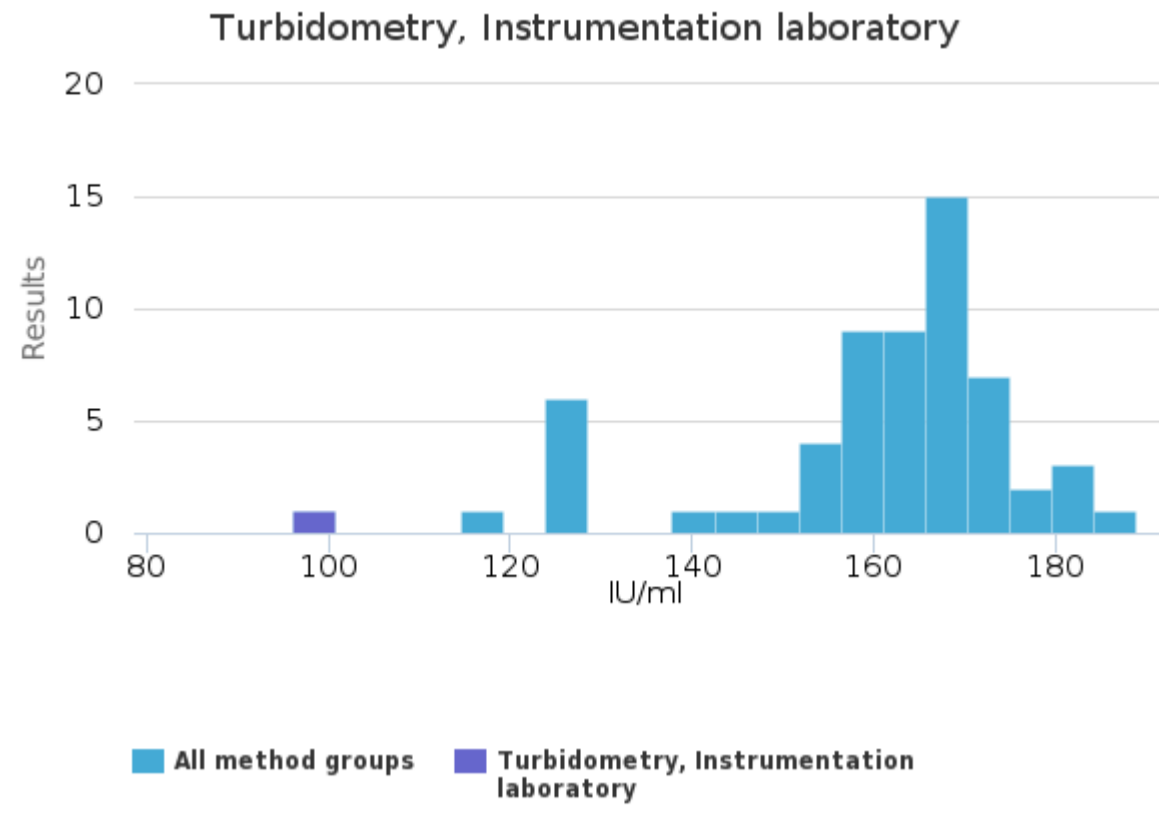
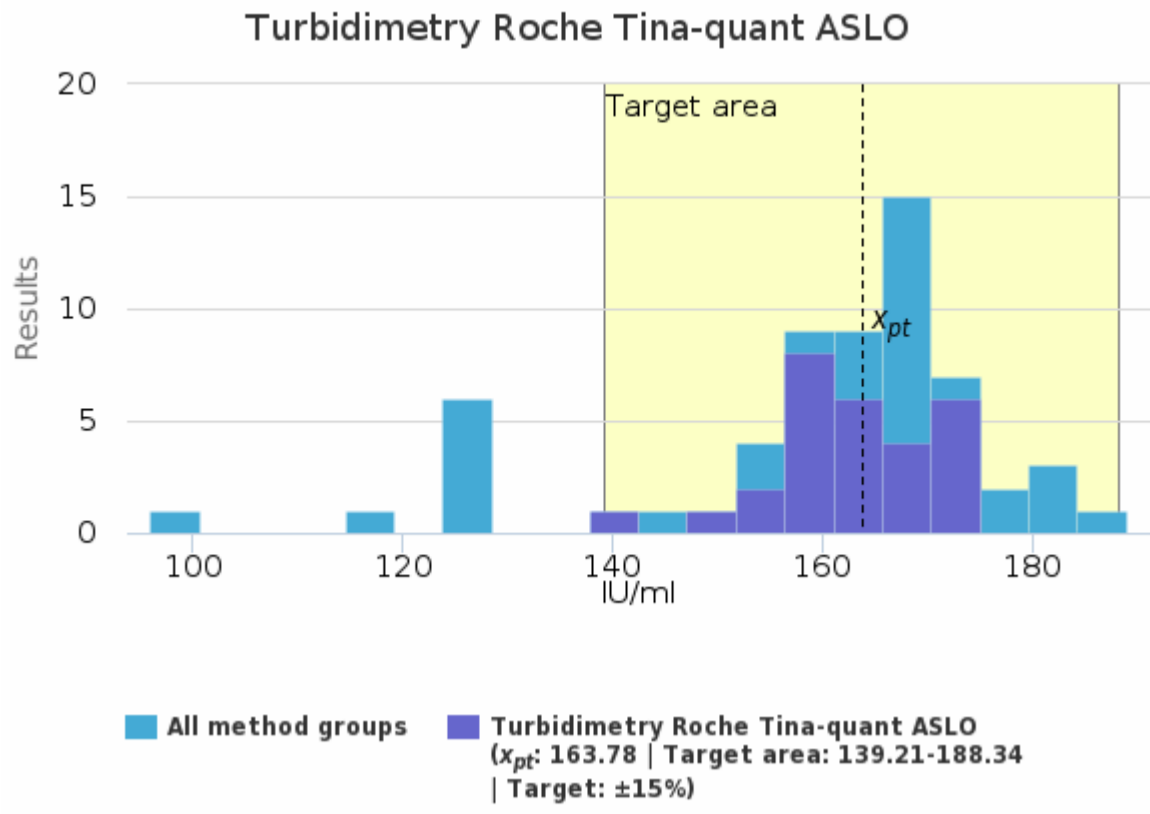
Sample S002 | Antistreptolysin, quantitative, IU/ml

Methodics	x_{pt}	Median	sd	CV%	SEM	min	max	Outliers	n
Abbott Alinity ASO	123.28	124.57	3.60	2.9	1.80	118.00	126.00	-	4
Cormay A-400 ASO	-	-	-	-	-	145.20	145.20	-	1
Nephelometry Siemens NA Latex ASL	168.50	168.50	3.54	2.1	2.50	166.00	171.00	-	2
Siemens Atellica Antistreptolysin O (ASO)	182.72	181.00	5.62	3.1	3.24	178.17	189.00	-	3
Siemens Atellica NEPH 630 ASL	161.00	161.00	7.00	4.3	4.04	154.00	168.00	-	3
The Binding Site Optilite Anti-streptolysin O Kit	-	-	-	-	-	170.00	170.00	-	1
Turbidimetria Thermo Scientific Anti-Streptolysin O	-	-	-	-	-	184.00	184.00	-	1
Turbidimetry Abbott Architect Quantia ASO	126.83	127.90	1.93	1.5	1.12	124.60	128.00	-	3
Turbidimetry Beckman Coulter Anti-Streptolysin O	166.55	167.41	5.61	3.4	1.77	155.50	177.00	-	10
Turbidimetry Roche Cobas Integra ASO	171.45	168.75	7.20	4.2	3.60	166.30	182.00	-	4
Turbidimetry Roche Tina-quant ASLO	163.78	163.00	6.65	4.1	1.28	151.00	174.00	1	28
Turbidometry, Instrumentation laboratory	-	-	-	-	-	96.00	96.00	-	1
All	160.87	164.50	15.88	9.9	2.05	118.00	189.00	1	61

Sample S002 | Antistreptolysin, quantitative, IU/ml| histogram summaries in LabScala







Report info**Participants**

128 participants from 18 countries.

How to interpret the results

Your own result should be compared to others using the same method.

Antistreptolysin quantitative parts assigned values (x_{pt} , target values) are means of the results where results deviating more than ± 3 standard deviation from the median are removed. Additionally, if the measurement uncertainty of the target value is large an automatic text is printed on the report: "The uncertainty of the assigned value is not negligible, and evaluations could be affected."

Antistreptolysin semi-quantitative part the assigned values (Med, target values) are median of the results where results deviating more than ± 3 standard deviation from the median are removed.

The standard uncertainty (u) of the assigned value is reported as standard error of the mean (SEM).

In case the client's result is the only one in the method group, no assigned value will be calculated, no target area shown, and no statistics calculated. In case there are only a few results in the client's own method group, the result can be compared to all method mean or to a group that is similar to the own method. Results reported with $<$ or $>$ -signs cannot be included in the statistics.

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

External Quality Assessment Scheme

Antistreptolysin Round 1, 2023

Specimens

In this round, there were two authentic plasma samples, each originating from a single human donor. The homogeneity of samples was ensured during the sample preparation. The antibodies are known to be stable and there are no special requirements for their handling or storage. The samples were suitable for the external quality assessment scheme. The materials were sent without temperature control packaging.

The accepted results were as follows:

Sample S001 (LQ757123011)	
Antistreptolysin, qualitative	Positive
Inhibition of streptolysin-O activity	Not scored (less than 3 results)
Antistreptolysin, semi-quantitative	Positive
Antistreptolysin, quantitative	Positive

Sample S002 (LQ757123012)	
Antistreptolysin, qualitative	Negative/Normal/Weak positive
Inhibition of streptolysin-O activity	Not scored (no reported results)
Antistreptolysin, semi-quantitative	Negative/Normal/Weak positive
Antistreptolysin, quantitative	Negative/Normal

Report info

It is important to read the Final report first, because it contains important information of the samples and results in each round.

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.

2023-04-09

FINAL REPORT

Product no. 5840

Subcontracting: Sample pretesting

Samples sent	2023-02-20
Round closed	2023-03-10
Final report	2023-04-09

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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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.

Exceptions in scoring

In this round the analyte inhibition of streptolysin-O activity was not scored because there were no reported results.

Comments – Expert

The specimen S001 was positive for streptolysin antibodies. The antibody levels were 454-1095 IU/mL by quantitative methods. Since the antibody level was this high, the only acceptable interpretation was “positive” (“weakly positive” was not accepted). The degree of antibody level variation in the sample once again underlines the importance of local reference values for streptolysin antibodies depending on the method in use and the local prevalence of streptococcal carriers and diseases.

The specimen S002 was more challenging. The antibody level was 118-189 IU/mL by quantitative methods. The clinical interpretation can vary between negative/normal and weakly positive depending on the local reference values. The majority of the participants interpreted the result as negative but also ‘weakly positive’ was accepted.

End of report

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