

# ECAT FOUNDATION

**External quality Control for Assays and Tests**

**With a focus on Thrombosis and Haemostasis**

## REPORT



**SURVEY 2026-L1**  
**Lupus Anticoagulant**  
**Labcode 1492**

Date of Issue : 10-May-2026  
Survey : 2026-L1  
Report : Lupus Anticoagulant

**Note:**

In the Survey Manual 2026 detailed information is given regarding the ECAT external quality assessment programme, including the statistical evaluation and explanation of the report.

This Survey Manual 2026 should be considered as an integral part of this survey report.

Please notice the information regarding the homogeneity of samples used and the between-laboratory variation in the paragraph on the statistical evaluation of the Survey Manual.

**General Information****Exclusion of results**

Results < [value] or > [value] are excluded from the statistical analysis. When other results (e.g., deviating results) are excluded from the statistical analysis, these results are placed between brackets.

Participant (**labcode 1794**) has submitted three times the same results, suggesting that these are separate results. This is not the case and may affect the statistical analysis and therefore the second and third results were excluded.

**Lupus Anticoagulant**

When selecting the unit seconds; all results should be reported in seconds and not partly in ratios; e.g., the result for the ECAT sample, the result for normal plasma and the result for MRI.

**Antiphospholipid Antibodies**

Please be aware of the selection of the correct unit for the method group "Werfen Acustar / INOVA Quanta Flash". Since there is a difference in the order of magnitude between the results of the "Werfen Acustar / INOVA Quanta Flash" method group and the other methods, it is expressed in the report as CU/mL instead of U/mL.

**Ratio Screen/Confirm**

Several participants reported a value for the ratio screen/confirm which actually was not likely to be a ratio screen over confirm. Therefore these results were excluded from the statistical analysis.

**Complaints**

Any complaints regarding this survey report should be reported to the ECAT before **June 23rd 2026**. Complaints received after this date will not be taken into consideration.

This report is authorized by:

Dr. M.J. van Essen-Hollestelle  
Programme Expert

**Note:** The current Survey Manual can be downloaded from the 'Participant Area' of the ECAT website. Login and select the option 'View Documents'.

ECAT Foundation

Director: Dr. P. Meijer  
ECAT Office  
P.O. Box 107  
2250 AC Voorschoten, The Netherlands  
phone +31 (0) 71 3030 910; fax + 31 (0) 71 3030 919  
E-mail: info@ecat.nl  
Website: www.ecat.nl  
VAT number: NL802836872B01

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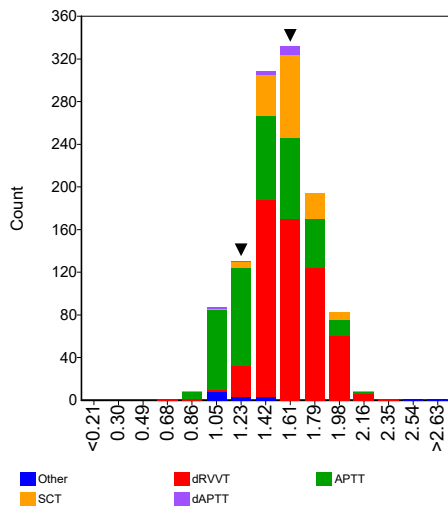
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Appendices are an integral part of the total report.



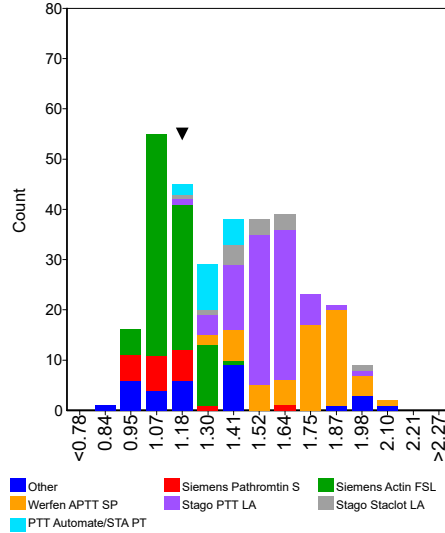
**Ratio Normal Plasma**

	n	assigned value	CV (%)	Range	Test System	Panel 1	Z-score	Panel 2	Z-score	Panel 3	Z-score
<b>APTT</b>	391	1.39	21.4	0.87 - 2.15	1	1.15	-0.81	1.17	-0.75		
Hyphen-Biomed Cephen LS	13	1.73	7.5	1.54 - 1.98							
Precision Biologic CRYOcheck Hex LA Star	5	1.99		1.85 - 2.10							
Siemens Actin FS	6	0.96		0.87 - 0.99							
Siemens Actin FSL	91	1.12	8.3	0.90 - 1.36	1			1.17	0.48		
Siemens Pathromtin SL	20	1.10	9.6	0.96 - 1.63	1	1.15	0.45				
Stago PTT Automate/STA PTT	16	1.33	4.9	1.16 - 1.46							
Stago PTT LA	86	1.56	7.1	1.19 - 2.00							
Stago Staclot LA	13	1.49	10.1	1.17 - 1.99							
Werfen APTT SP	59	1.74	10.1	1.27 - 2.15							
Werfen HemosIL SynthAsil	44	1.28	7.1	1.03 - 1.57							
Werfen MixCon	14	1.43	7.3	1.30 - 1.65							
<b>dAPTT</b>	13	1.52	9.0	1.14 - 1.65							
Stago PTT LA	9	1.57		1.49 - 1.65							
<b>dRVVT</b>	580	1.60	13.4	0.65 - 2.34	1					1.58	-0.11
Hyphen Biomed Hemoclot LA-S	8	1.60		1.57 - 1.88							
Precision Biologic LA check	6	1.62		1.57 - 1.83							
Roche Lupus S	10	1.47	5.7	1.39 - 1.72							
Siemens LA1 screen	231	1.49	7.7	0.65 - 2.12	1					1.58	0.83
Stago DRVVT screen	81	1.46	9.8	1.26 - 1.89							
Stago SthemO dRVVT screen	8	1.48		0.99 - 1.67							
Technoclone LA Screen	5	1.46		1.42 - 1.53							
Werfen HemosIL dRVVT screen	226	1.79	8.0	0.81 - 2.34							
<b>PT</b>	7	1.01		0.97 - 1.04							
<b>SCT</b>	156	1.58	9.0	0.85 - 2.22							
Werfen SCT screen	154	1.58	8.9	0.85 - 2.22							

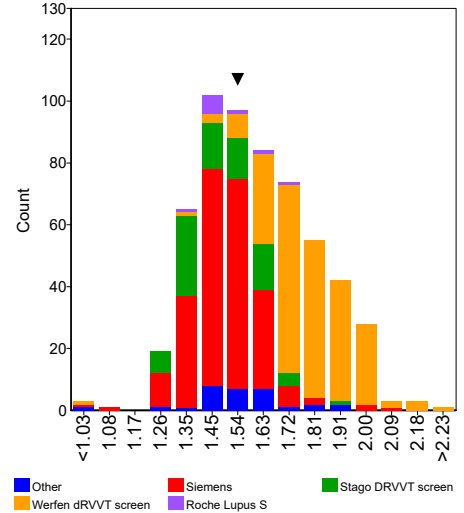
**Assays**



**APTT**



**DRVVT**

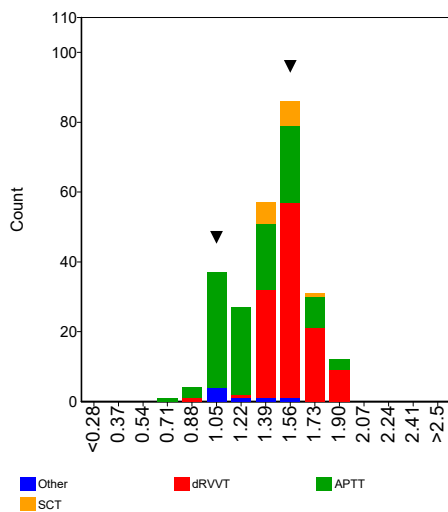


**Lupus Anticoagulant**

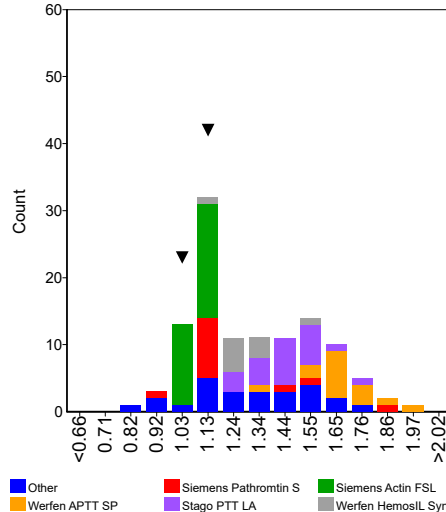
**Screening**

Ratio MRI	n	assigned value	CV (%)	Range	Test System	Panel 1	Z-score	Panel 2	Z-score	Panel 3	Z-score
<b>APTT</b>	115	1.31	20.6	0.77 - 1.98	1	1.09	-0.82	1.06	-0.93		
Hyphen-Biomed Cephen LS	5	1.64		1.55 - 1.77							
Siemens Actin FSL	29	1.09	4.4	1.00 - 1.17	1			1.06	-0.52		
Siemens Pathromtin SL	13	1.18	14.7	0.95 - 1.87	1	1.09	-0.52				
Stago PTT LA	22	1.45	9.3	1.24 - 1.71							
Werfen APTT SP	15	1.69	6.6	1.36 - 1.98							
Werfen HemosIL SynthAsil	10	1.29	6.2	1.17 - 1.57							
<b>dRVVT</b>	119	1.56	9.1	0.80 - 1.98	1					1.53	-0.23
Roche Lupus S	6	1.48		1.39 - 1.65							
Siemens LA1 screen	70	1.53	6.7	0.80 - 1.98	1					1.53	-0.04
Stago DRVVT screen	10	1.43	5.8	1.33 - 1.54							
Werfen HemosIL dRVVT screen	27	1.74	8.8	1.45 - 1.94							
<b>SCT</b>	14	1.51	8.0	1.35 - 1.66							
Werfen SCT screen	14	1.51	8.0	1.35 - 1.66							

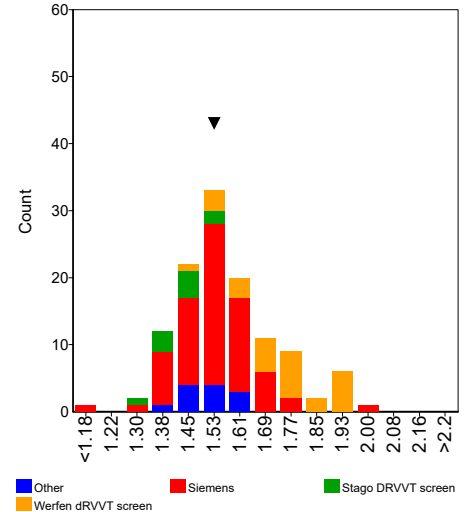
**Assays**



**APTT**



**DRVVT**



**Comments**

Several participants selected the wrong unit, e.g., ratio while the result was likely to be in seconds, or vice versa. Other participants reported their result for the ECAT plasma in seconds, while the result for their reference plasma or the mean of the reference interval was reported as a ratio or vice versa. In all these cases, the ratio between the ECAT plasma and the laboratory's own reference plasma and/or the mean of the reference interval could not be correctly calculated. Therefore all these results were excluded from the statistical analysis.

The vast majority of performed screening tests (87%) were classified as elevated. However, in the assay group APTT 68% of the screening tests was classified as elevated.

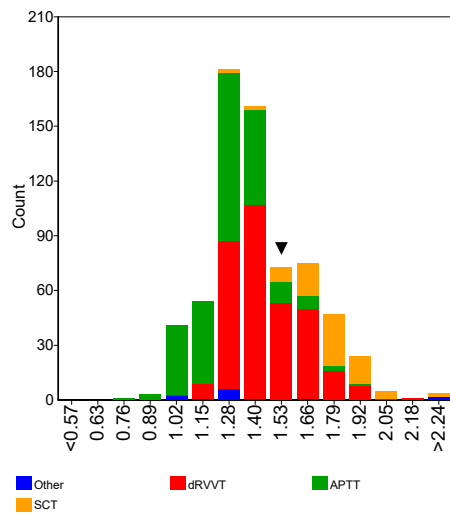
In general, comparable results were observed for the ratio ECAT plasma over Normal Plasma and ratio ECAT plasma over Mean Reference Interval (MRI).



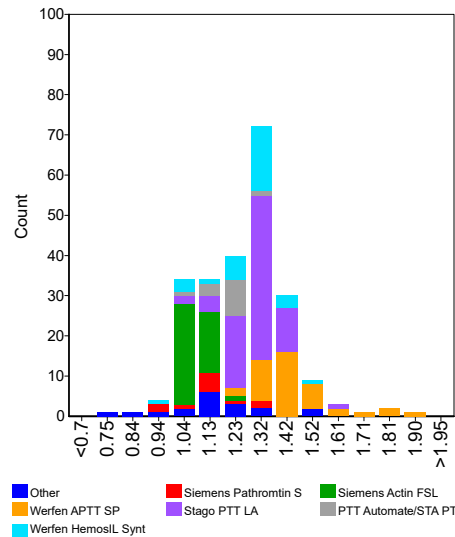
**Ratio Normal Plasma**

	n	assigned value	CV (%)	Range	Test System	Panel 1	Z-score	Panel 2	Z-score	Panel 3	Z-score
<b>APTT</b>	254	1.26	13.2	0.74 - 1.92							
Hyphen-Biomed Cephen LS	11	1.54	9.1	1.40 - 1.77							
Siemens Actin FSL	41	1.07	4.8	1.00 - 1.23							
Siemens Pathromtin SL	11	1.13	12.6	0.96 - 1.32							
Stago PTT Automate/STA PTT	14	1.19	3.2	1.08 - 1.31							
Stago PTT LA	77	1.30	5.6	1.06 - 1.63							
Werfen APTT SP	40	1.42	8.1	1.23 - 1.92							
Werfen HemosIL SynthAsil	31	1.29	7.2	0.93 - 1.53							
Werfen MixCon	10	1.39	4.3	0.97 - 1.46							
<b>dAPTT</b>	9	1.32		1.14 - 1.70							
Stago PTT LA	8	1.31		1.14 - 1.36							
<b>dRVVT</b>	324	1.45	12.2	1.01 - 2.16	1					1.49	0.22
Siemens LA1 screen	147	1.36	7.2	1.01 - 2.04	1					1.49	1.31
Stago DRVVT screen	51	1.35	8.7	1.20 - 1.68							
Werfen HemosIL dRVVT screen	108	1.64	7.1	1.16 - 2.16							
<b>SCT</b>	79	1.76	9.0	1.25 - 2.39							
Werfen SCT screen	77	1.76	8.7	1.25 - 2.39							

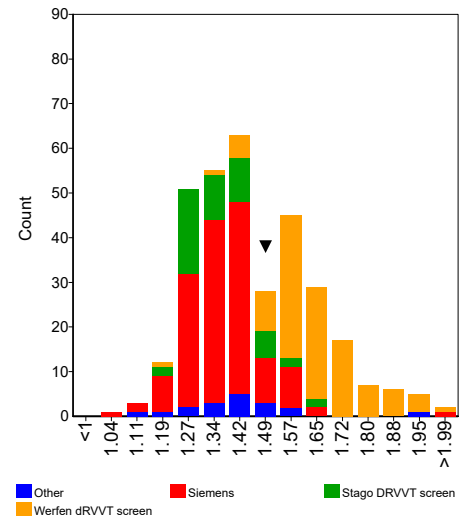
**Assays**



**APTT**



**DRVVT**

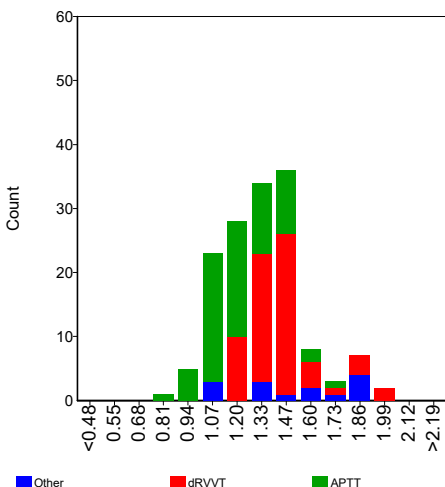


**Lupus Anticoagulant**

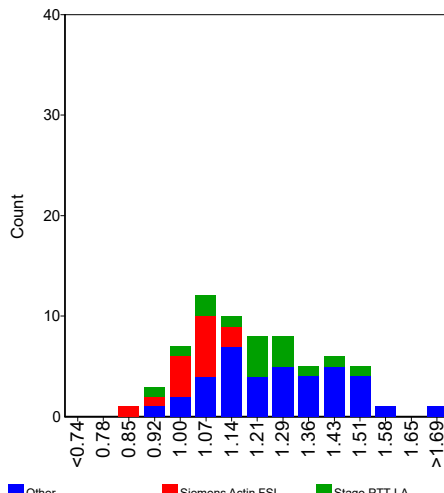
**Mixing (screening)**

Ratio MRI	n	assigned value	CV (%)	Range	Test System	Panel 1	Z-score	Panel 2	Z-score	Panel 3	Z-score
<b>APTT</b>	68	1.21	15.6	0.85 - 1.69							
Siemens Actin FSL	14	1.05	5.1	0.85 - 1.12							
Siemens Pathromtin SL	7	1.30		0.92 - 1.52							
Stago PTT LA	15	1.22	13.1	0.95 - 1.49							
Werfen APTT SP	9	1.37		1.17 - 1.48							
Werfen HemosIL SynthAsil	6	1.38		1.15 - 1.53							
<b>dRVVT</b>	65	1.41	10.1	1.19 - 2.01							
Roche Lupus S	6	1.31		1.19 - 1.48							
Siemens LA1 screen	35	1.38	8.1	1.22 - 2.00							
Stago DRVVT screen	5	1.38		1.21 - 1.43							
Werfen HemosIL dRVVT screen	14	1.60	12.2	1.20 - 2.01							
<b>SCT</b>	8	1.74		1.49 - 1.91							
Werfen SCT screen	8	1.74		1.49 - 1.91							

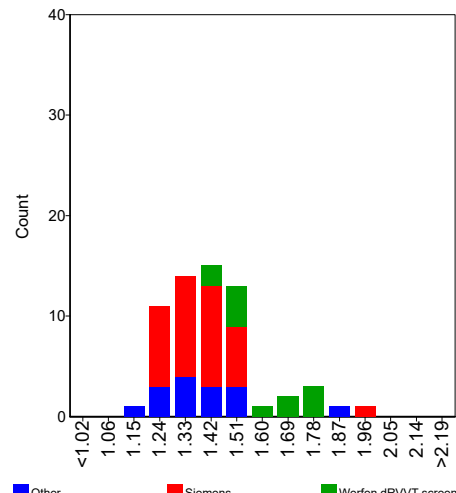
**Assays**



**APTT**



**DRVVT**



**Comments**

Several participants selected the wrong unit, e.g., ratio while the result was likely to be in seconds, or vice versa. In all these cases, the ratio between the ECAT plasma and the laboratory's own reference plasma and/or the mean of the reference interval could not be correctly calculated. Therefore all these results were excluded from the statistical analysis.

The vast majority of performed mixing screening tests (86%) were classified as elevated. However, in the assay group APTT 67% of the mixing screening tests was classified as elevated.

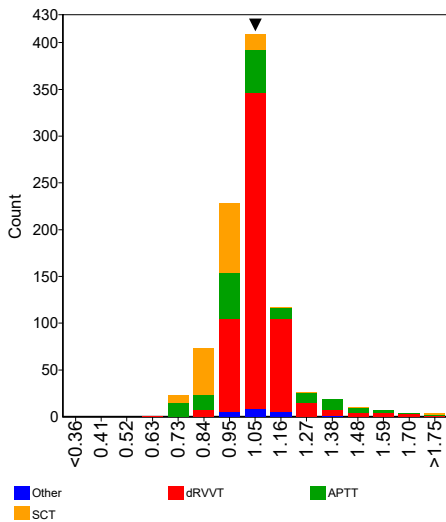
In general, comparable results were observed for the ratio ECAT plasma over Normal Plasma and ratio ECAT plasma over Mean Reference Interval (MRI).



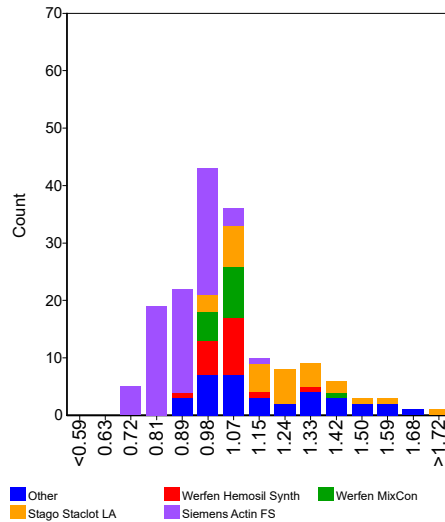
**Ratio Normal Plasma**

	n	assigned value	CV (%)	Range	Test System	Panel 1	Z-score	Panel 2	Z-score	Panel 3	Z-score
<b>APTT</b>	169	1.03	17.4	0.73 - 2.55							
Hyphen Biomed Cephen	5	0.97		0.92 - 1.06							
Precision Biologic CRYOcheck Hex LA Cor	6	1.42		1.33 - 1.51							
Siemens Actin FS	68	0.89	11.3	0.73 - 1.14							
Siemens Pathromtin SL	5	1.04		1.01 - 1.25							
Stago PTT LA	7	1.16		0.97 - 1.63							
Stago Staclot LA	30	1.21	14.0	0.99 - 2.55							
Werfen Hemosil SynthAFax	19	1.04	6.2	0.88 - 1.34							
Werfen MixCon	15	1.04	2.9	0.97 - 1.38							
<b>dAPTT</b>	9	1.07		0.93 - 1.40							
<b>dRVVT</b>	581	1.06	6.5	0.63 - 1.77	1					1.03	-0.38
Hyphen Biomed Hemoclot LA-C	8	1.07		1.00 - 1.17							
Precision Biologic LA sure	5	1.01		0.91 - 1.03							
Roche Lupus C	10	1.07	6.0	1.00 - 1.39							
Siemens LA2 confirmation	231	1.04	5.2	0.63 - 1.67	1					1.03	-0.15
Stago DRVVT Confirm	77	1.03	4.2	0.90 - 1.41							
Stago SthemO dRVVT confirm	8	1.05		1.00 - 1.49							
Technoclone LA Confirm	5	1.03		0.98 - 1.05							
Werfen Hemosil dRVVT confirm	233	1.09	7.1	0.84 - 1.77							
<b>PNP</b>	6	1.07		0.94 - 1.12							
<b>SCT</b>	152	0.92	8.5	0.73 - 2.06							
Werfen Hemosil SCT confirm	152	0.92	8.5	0.73 - 2.06							

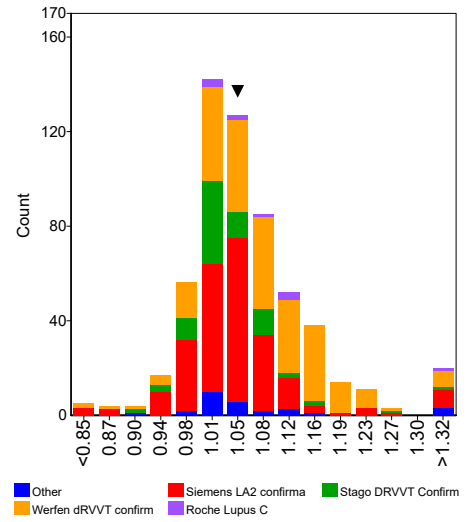
**Assays**



**APTT**



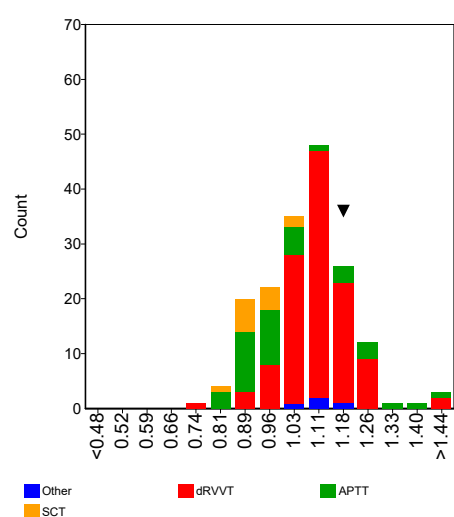
**DRVVT**



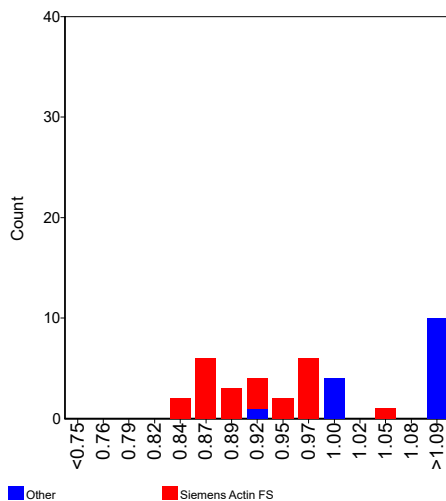
**Lupus Anticoagulant** **Confirmation**

Ratio MRI	n	assigned value	CV (%)	Range	Test System	Panel 1	Z-score	Panel 2	Z-score	Panel 3	Z-score
<b>APTT</b>	39	1.00	14.8	0.80 - 1.55							
Siemens Actin FS	23	0.92	6.2	0.83 - 1.04							
<b>dRVVT</b>	117	1.10	7.6	0.74 - 1.71	1					1.19	1.05
Roche Lupus C	5	1.11		1.03 - 1.20							
Siemens LA2 confirmation	69	1.11	9.2	0.87 - 1.66	1					1.19	0.82
Stago DRVVT Confirm	10	1.05	4.7	0.88 - 1.13							
Werfen HemosIL dRVVT confirm	28	1.11	5.5	0.74 - 1.71							
<b>SCT</b>	13	0.93	6.6	0.84 - 1.01							
Werfen HemosIL SCT confirm	13	0.93	6.6	0.84 - 1.01							

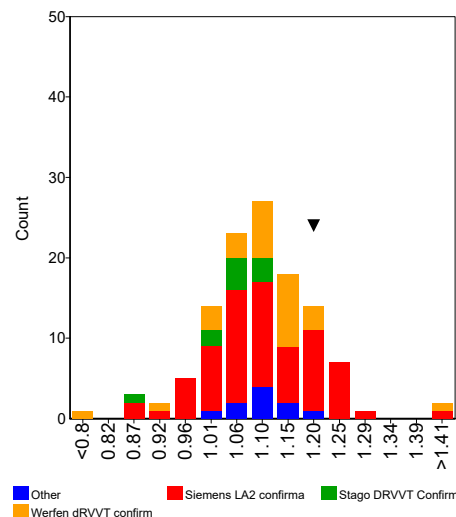
**Assays**



**APTT**



**DRVVT**



**Comments**

Several participants selected the wrong unit, e.g., ratio while the result was likely to be in seconds, or vice versa. Other participants reported their result for the ECAT plasma in seconds, while the result for their reference plasma or the mean of the reference interval was reported as a ratio, or vice versa. In all these cases, the ratio between the ECAT plasma and the laboratory's own reference plasma and/or the mean of the reference interval could not be correctly calculated.

As expected, the majority of performed confirmation tests (77%) were classified as not elevated. For a weak positive Lupus Anticoagulant plasma, it is expected that the test result (almost) fully normalised in the confirmation test.

In general, comparable results were observed for the ratio ECAT plasma over Normal Plasma and ratio ECAT plasma over Mean Reference Interval (MRI).

**Lupus Anticoagulant**

**Mixing (confirm)**

<b>Sample No</b>	26.71		
<b>Sample Details</b>	Plasma positive for Lupus Anticoagulant (LA Ratio approx. 1.5)		
<b>Prior Use</b>	Prior Use: None		
<b>Unit</b>	Ratio		
<b>Expiry Date</b>	31-December-2027		
<b>Homogeneity</b>	0.0 %	<b>Homogeneity Parameter</b>	LA Ratio
<b>Number of Participants</b>	662		
<b>Number of Responders</b>	202	<b>Response Rate</b>	31 %

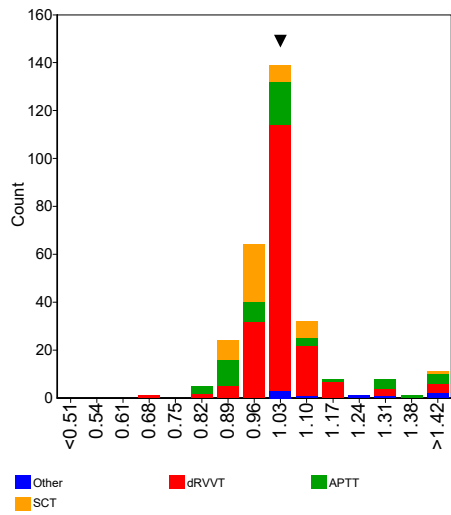
Assay	Elevated	Not elevated	Borderline	No Classification
APTT	9	45	0	5
dAPTT	5	3	0	1
dPT	0	1	0	0
dRVVT	33	155	0	12
Other	1	0	0	0
PNP	1	0	0	0
SCT	1	45	0	2

Assay	Your classification								
	Mixing 1			Mixing 2			Mixing 3		
			TS3						
APTT									
dAPTT									
dPT									
dRVVT			Not elevated						
Other									
PNP									
SCT									

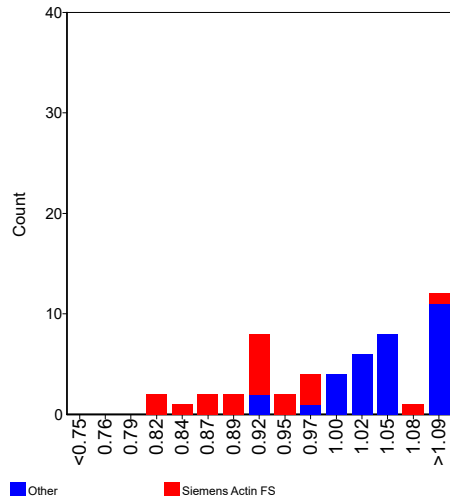
**Ratio Normal Plasma**

	n	assigned value	CV (%)	Range	Test System	Panel 1	Z-score	Panel 2	Z-score	Panel 3	Z-score
<b>APTT</b>	53	1.02	13.2	0.81 - 1.76							
Siemens Actin FS	20	0.92	6.2	0.81 - 1.43							
Werfen Hemosil SynthAFax	8	1.03		1.00 - 1.31							
Werfen MixCon	7	1.04		1.01 - 1.06							
<b>dAPTT</b>	7	1.13		1.03 - 1.43							
<b>dRVVT</b>	186	1.03	4.5	0.71 - 1.56	1					1.02	-0.21
Siemens LA2 confirmation	90	1.02	3.5	0.91 - 1.56	1					1.02	-0.05
Stago DRVVT Confirm	24	1.03	6.2	0.91 - 1.54							
Werfen Hemosil dRVVT confirm	65	1.04	4.7	0.71 - 1.44							
<b>SCT</b>	47	0.98	6.9	0.86 - 1.53							
Werfen Hemosil SCT confirm	46	0.98	6.6	0.86 - 1.13							

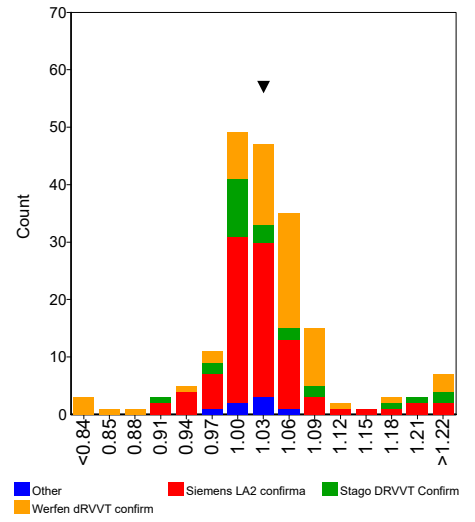
**Assays**



**APTT**



**DRVVT**

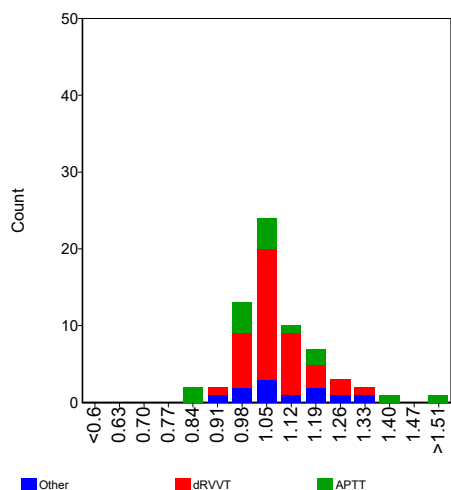


**Lupus Anticoagulant**

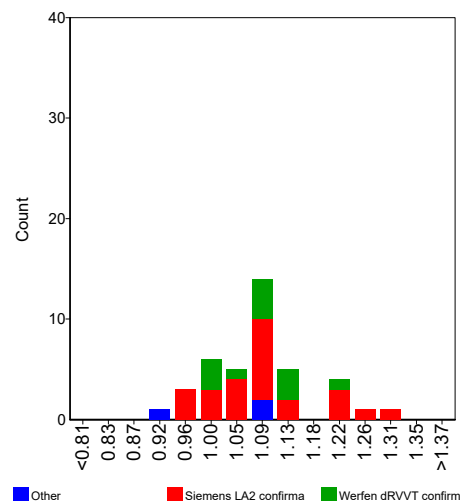
**Mixing (confirm)**

Ratio MRI	n	assigned value	CV (%)	Range	Test System	Panel 1	Z-score	Panel 2	Z-score	Panel 3	Z-score
<b>APTT</b>	15	1.06	14.3	0.83 - 1.88							
Siemens Actin FS	6	0.99		0.83 - 1.40							
<b>dRVVT</b>	40	1.08	7.2	0.93 - 1.31							
Siemens LA2 confirmation	25	1.09	8.5	0.97 - 1.31							
Werfen HemosIL dRVVT confirm	12	1.09	5.7	1.01 - 1.20							
<b>SCT</b>	7	1.05		0.90 - 1.16							
Werfen HemosIL SCT confirm	7	1.05		0.90 - 1.16							

**Assays**



**DRVVT**



**Comments**

Several participants selected the wrong unit, e.g., ratio while the result was likely to be in seconds, or vice versa. In all these cases, the ratio between the ECAT plasma and the laboratory's own reference plasma and/or the mean of the reference interval could not be correctly calculated.

As expected, the majority of performed mixing confirm tests (83%) were classified as not elevated. For a weak positive Lupus Anticoagulant plasma, it is expected that the test result (almost) fully normalised in the mixing confirm test.

In general, comparable results were observed for the ratio ECAT plasma over Normal Plasma and ratio ECAT plasma over Mean Reference Interval (MRI).

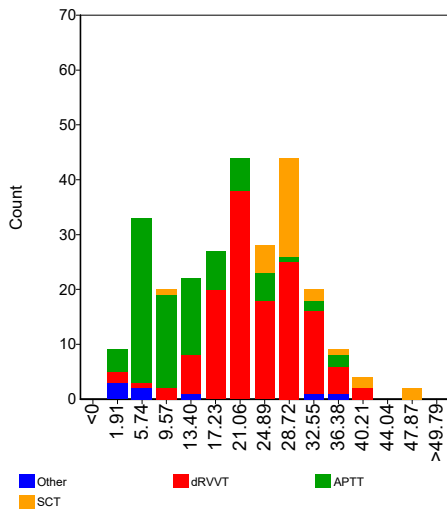
**Lupus Anticoagulant**

**Interpretation**

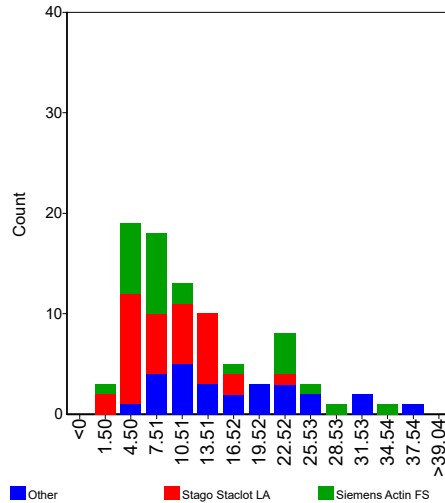
**Delta Seconds**

	n	assigned value	CV (%)	Range	Test System	Panel 1	Z-score	Panel 2	Z-score	Panel 3	Z-score
<b>APTT</b>	88	11.51	63.6	0.10 - 36.60							
Precision Biologic CRYOcheck Hex LA Cor	7	26.70		21.50 - 36.60							
Siemens Actin FS	26	11.62	78.7	1.70 - 34.60							
Stago Staclot LA	35	9.02	55.1	0.10 - 22.60							
Werfen MixCon	5	12.40		9.90 - 18.80							
<b>dRVVT</b>	135	23.58	27.8	0.10 - 39.10							
Siemens LA2 confirmation	69	20.43	13.7	0.10 - 29.80							
Stago DRVVT Confirm	8	18.75		15.30 - 20.90							
Werfen HemosIL dRVVT confirm	50	30.15	11.1	23.20 - 39.10							
<b>PNP</b>	5	5.80		2.00 - 13.90							
<b>SCT</b>	31	28.86	11.0	9.50 - 49.10							
Werfen HemosIL SCT confirm	30	29.01	10.2	24.00 - 49.10							

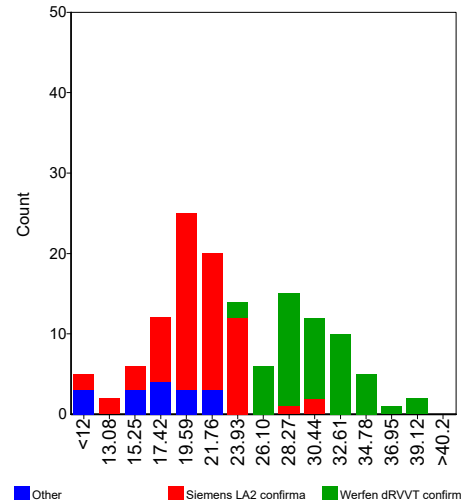
**Assays**



**APTT**



**DRVVT**



**Comments**

It is not clear whether all results submitted for Delta Seconds reflect in all cases the difference in clotting time between the screen and confirmation test (or reagent 1 and reagent 2).

**Please submit for Delta Seconds only the value which is the difference in clotting time between the screen and confirmation test (or difference between reagent 1 and reagent 2).**

The following participant reported a deviating result which was excluded from the statistical analysis:

**66606872 : 0**

Some participants reported their result for Delta Seconds as a negative result. Please, report in future surveys the result without the negative prefix.

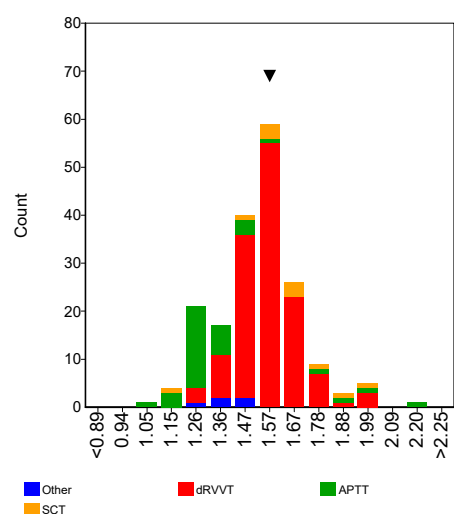
**Lupus Anticoagulant**

**Interpretation**

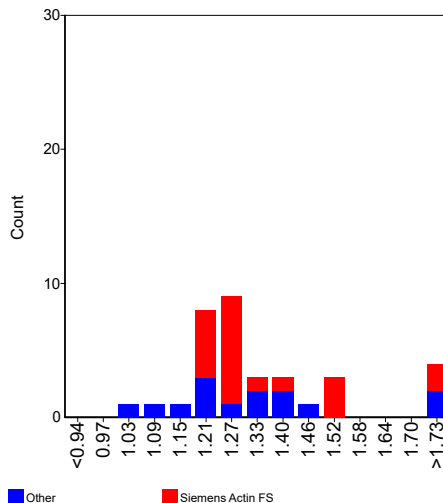
**Ratio Screen/Confirmation - Standard**

	n	assigned value	CV (%)	Range	Test System	Panel 1	Z-score	Panel 2	Z-score	Panel 3	Z-score
<b>APTT</b>	35	1.32	10.7	1.03 - 2.19							
Siemens Actin FS	20	1.34	9.8	1.20 - 2.19							
Stago Staclot LA	7	1.21		1.12 - 1.43							
<b>dRVVT</b>	135	1.56	6.7	1.28 - 2.02	1					1.59	0.27
Siemens LA2 confirmation	89	1.56	4.9	1.30 - 1.80	1					1.59	0.33
Stago DRVVT Confirm	10	1.46	5.8	1.32 - 1.59							
Technoclone LA Confirm	5	1.51		1.43 - 1.60							
Werfen HemosIL dRVVT confirm	25	1.67	11.5	1.28 - 2.02							
<b>SCT</b>	11	1.64	11.6	1.12 - 1.97							
Werfen HemosIL SCT confirm	10	1.67	9.8	1.45 - 1.97							

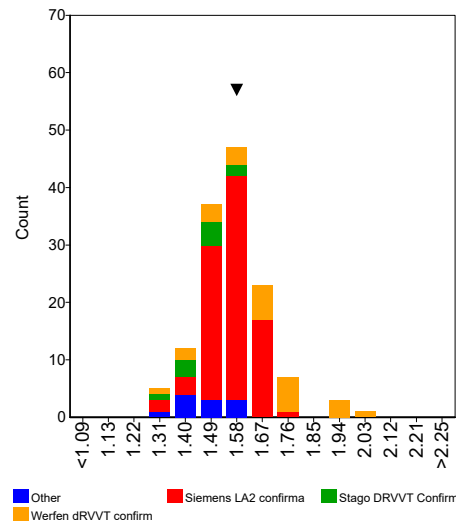
**Assays**



**APTT**



**DRVVT**



**Comments**

The average "Ratio Screen / Confirmation" is in general in line with the expected LA ratio (approx. 1.5). For the assay type "APTT" the LA ratio is slightly lower compared to the other assay types.

Some participants did not indicate which type of "Ratio Screen/ Confirmation" they reported (standard ratio or normalised ratio). These results have been excluded from the statistical analysis. **Don't forget to select the type of ratio in the next survey.**

Also some participant reported a Rosner Index instead of the "Ratio Screen/ Confirm", these results were excluded from the statistical analysis.

The following participants reported deviating results which were excluded from the statistical analysis:

**1447** : 0  
**9907184** : 0.1

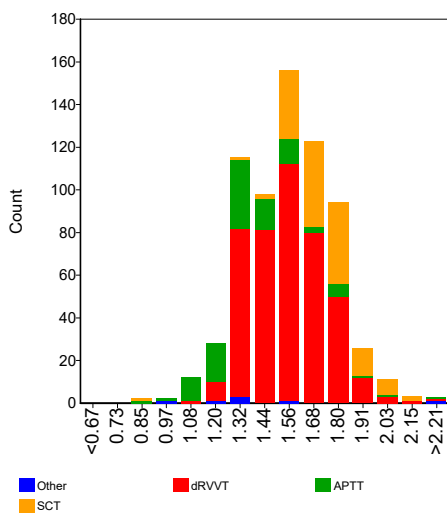
**Lupus Anticoagulant**

**Interpretation**

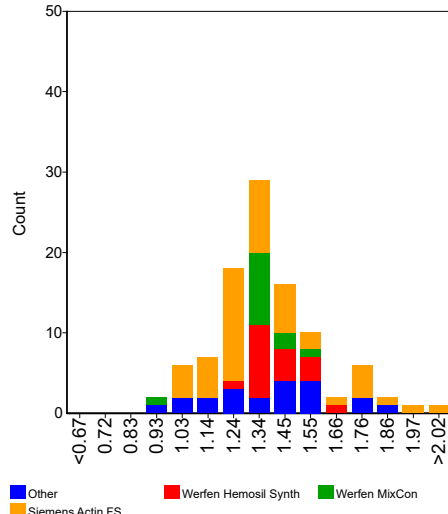
**Ratio Screen/Confirmation - Normalised**

	n	assigned value	CV (%)	Range	Test System	Panel 1	Z-score	Panel 2	Z-score	Panel 3	Z-score
<b>APTT</b>	102	1.36	14.3	0.89 - 2.24							
Siemens Actin FS	48	1.35	16.7	1.06 - 2.24							
Werfen Hemosil SynthAFax	18	1.40	7.8	1.29 - 1.70							
Werfen MixCon	13	1.35	4.6	0.97 - 1.56							
<b>dRVVT</b>	428	1.54	11.8	1.10 - 2.24							
Hyphen Biomed Hemoclot LA-C	5	1.51		1.44 - 1.57							
Roche Lupus C	8	1.33		1.24 - 1.54							
Siemens LA2 confirmation	130	1.45	8.2	1.17 - 2.24							
Stago DRVVT Confirm	63	1.41	8.2	1.25 - 1.73							
Stago SthemO dRVVT confirm	8	1.46		1.38 - 1.50							
Werfen Hemosil dRVVT confirm	207	1.66	8.3	1.10 - 2.10							
<b>SCT</b>	136	1.71	8.1	0.85 - 2.18							
Werfen Hemosil SCT confirm	136	1.71	8.1	0.85 - 2.18							

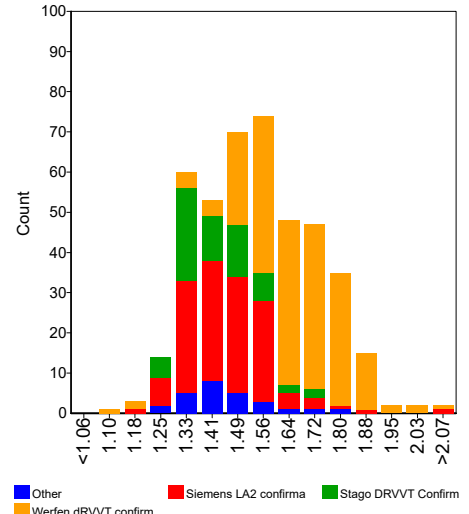
**Assays**



**APTT**



**DRVVT**



**Comments**

The average "Ratio Screen / Confirmation" is in general in line with the expected LA ratio (approx. 1.5). For the assay type "APTT" the LA ratio is slightly lower compared to the other assay types, as also was observed for the parameter: "Ratio Screen/Confirmation - Standard".

Some participants did not indicate which type of "Ratio Screen/ Confirmation" they reported (standard ratio or normalised ratio). These results have been excluded from the statistical analysis. **Don't forget to select the type of ratio in the next survey.**

Also some participant reported a Rosner Index instead of the "Ratio Screen/ Confirm", these results were excluded from the statistical analysis.

The following participants reported deviating results which were excluded from the statistical analysis:

- 1689** : 0.0
- 1794** : 8.2
- 4560** : 4.7

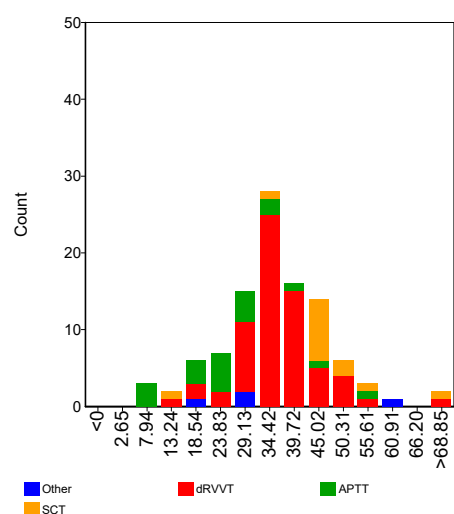
**Lupus Anticoagulant**

**Interpretation**

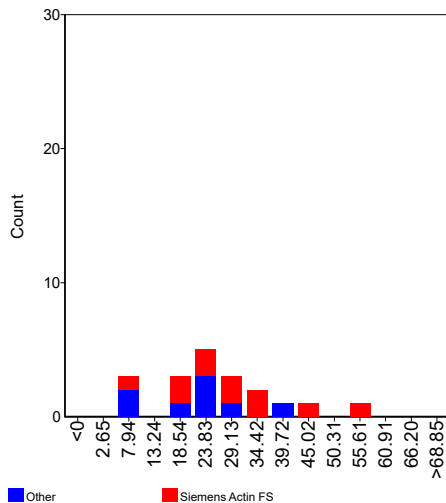
**Percentage Correction - Standard**

	n	assigned value	CV (%)	Range	Test System	Panel 1	Z-score	Panel 2	Z-score	Panel 3	Z-score
<b>APTT</b>	20	25.68	44.4	6.45 - 54.28							
Siemens Actin FS	11	28.72	46.6	6.45 - 54.28							
<b>dRVVT</b>	65	36.31	17.3	14.20 - 94.00							
Siemens LA2 confirmation	40	35.53	10.5	14.20 - 41.04							
Stago DRVVT Confirm	5	32.70		29.00 - 37.25							
Werfen HemosIL dRVVT confirm	14	45.85	14.7	31.70 - 94.00							
<b>SCT</b>	14	46.21	14.2	10.70 - 86.00							
Werfen HemosIL SCT confirm	13	47.06	11.7	36.90 - 86.00							

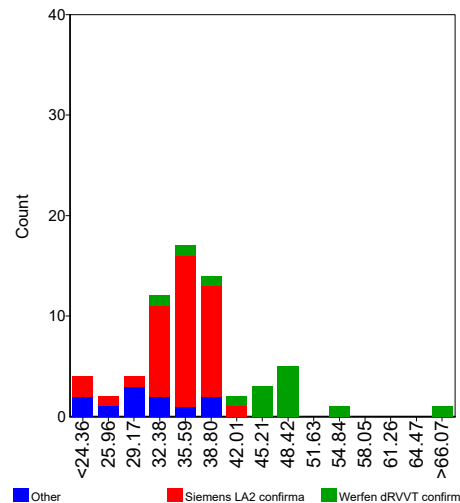
**Assays**



**APTT**



**DRVVT**



**Comments**

Some participants did not indicate which type of correction they have reported (standard correction or normalised correction). These results have been excluded from the statistical analysis. **Don't forget to select the type of correction in the next survey.**

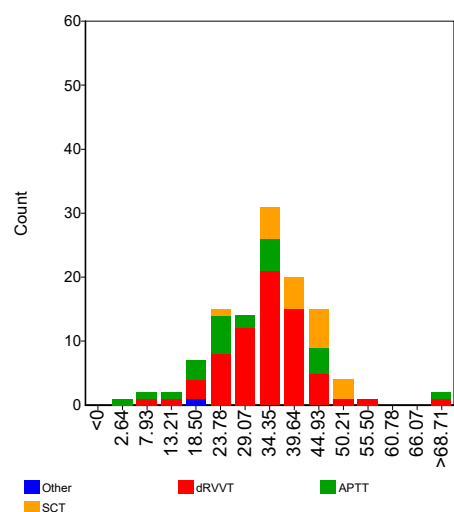
**Lupus Anticoagulant**

**Interpretation**

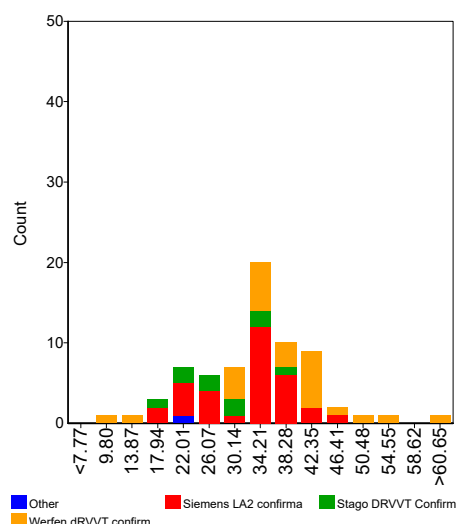
**Percentage Correction - Normalised**

	n	assigned value	CV (%)	Range	Test System	Panel 1	Z-score	Panel 2	Z-score	Panel 3	Z-score
<b>APTT</b>	24	28.09	48.2	5.00 - 78.00							
Siemens Actin FS	9	23.00		16.50 - 43.00							
<b>dRVVT</b>	69	33.55	24.4	7.91 - 83.00							
Siemens LA2 confirmation	32	32.52	23.1	18.30 - 44.40							
Stago DRVVT Confirm	10	28.69	24.3	19.70 - 38.03							
Werfen HemosIL dRVVT confirm	26	37.74	20.2	7.91 - 83.00							
<b>SCT</b>	20	41.11	16.6	25.00 - 52.00							
Werfen HemosIL SCT confirm	20	41.11	16.6	25.00 - 52.00							

**Assays**



**DRVVT**



**Comments**

Some participants did not indicate which type of correction they have reported (standard correction or normalised correction). These results have been excluded from the statistical analysis. **Don't forget to select the type of correction in the next survey.**

Also some participants reported a ratio instead of a Percentage Correction result and these ratios were excluded from the statistical analysis.

One participant reported their result for Percentage Correction as a negative result. Please, report in future surveys the result without the negative prefix.

In general, comparable results were observed for the Normalised Percentage Correction and Standard Percentage Correction.

**Lupus Anticoagulant**

**Final Conclusion**

Testing Strategies	Classification				Your Classification			
	Equivocal	LA detected	LA not detected	No conclusion	Test System	Panel 1	Panel 2	Panel 3
Screen test only	2	13	16	11	1			
					2			
					3			
Screen and mixing test	7	58	11	18	1			
					2			
					3			
Screen and confirm test	11	460	21	3	1			
					2			
					3			
Screen, mixing and confirm test	4	256	32	4	1			LA detected
					2			
					3			
Screen, confirm, mixing test	2	163	11	2	1			
					2			
					3			
Mixing - confirmation	3	25	2	0	1			
					2			
					3			

Final Conclusion				Your Results		
Counts				Test System 1	Test System 2	Test System 3
LA detected	LA not detected	Equivocal	No Conclusion			
507	5	9	1	LA detected		

**Comments**

The sample used in this survey was plasma from a patient diagnosed with Lupus Anticoagulant (LA Ratio = approx. 1.5). No other types of inhibitors were present.

In total 521 participants gave a final conclusion. Of the participants who gave a final conclusion, approximately 97% classified the sample as positive. Two percent classified the sample as equivocal. Thus, the vast majority of the participants correctly classified this sample as positive.

Several participants stated that there is an indication that this sample is positive for lupus anticoagulant but in real clinical practice this should be confirmed in a new sample after 12 weeks.

**Lupus Anticoagulant**

**AntiCardiolipin Antibodies IgG**

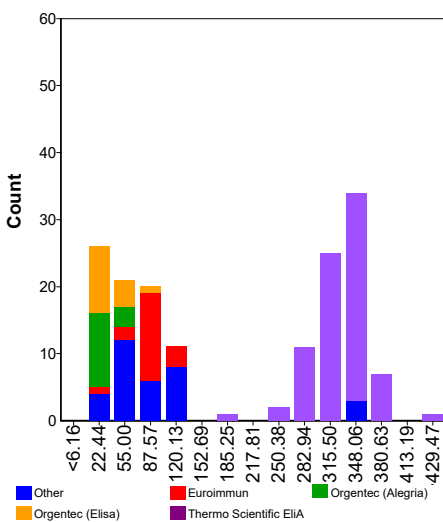
<b>Sample No</b>	26.71		
<b>Sample Details</b>	Plasma positive for Lupus Anticoagulant (LA Ratio approx. 1.5)		
<b>Prior Use</b>	Prior Use: None		
<b>Unit</b>	GPL, U/mL, µg/mL, CU/mL		
<b>Expiry Date</b>	31-December-2027		
<b>Homogeneity</b>	0.0 %	<b>Homogeneity Parameter</b>	LA Ratio
<b>Number of Participants</b>	662		
<b>Number of Responders</b>	255	<b>Response Rate</b>	39 %

Classification	Negative	Borderline	Low Positive	Medium Positive	High Positive	No Conclusion
<b>Total</b>	5	1	20	60	172	0

Your classification			
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IgG	n	assigned value	CV (%)	range	Test System 1 Result	z-score	Test System 2 Result	z-score	Test System 3 Result	z-score
<b>U/mL, µg/mL, GPL/MPL</b>	159	199.0	79.1	19.4 - 442.0						
Aeskulisa Diagnostic GmbH	6	34.6		23.2 - 85.0						
Biorad Bioplex	5	115.0		111.2 - 132.0						
Euroimmun	19	83.6	21.5	35.0 - 116.8						
IDS	5	99.9		90.7 - 113.5						
Orgentec (Alegria)	14	31.4	23.3	20.8 - 46.1						
Orgentec (Elisa)	15	35.0	27.5	19.4 - 78.8						
Other	5	70.0		31.0 - 357.0						
Thermo Scientific EIIA	78	331.2	9.9	181.0 - 442.0						
Werfen INOVA Quanta Lite	7	61.4		54.5 - 78.7						
<b>CU/mL</b>	93	147.2	9.6	108.9 - 186.4						
Werfen Acustar / INOVA Quanta Flash	93	147.2	9.6	108.9 - 186.4						

**GPL, U/mL, µg/mL**



**Comments**

A positive classification has been observed by the majority of participants .

Please be aware of the selection of the correct unit for the method group "Werfen Acustar / INOVA Quanta Flash". Since there is an order of magnitude difference between the results of the method "Werfen Acustar / INOVA Quanta Flash" from the other methods, it is expressed in the report as CU/mL instead of U/mL.

The following participants reported deviating results which were excluded from the statistical analysis:

**618** : 8.0 U/mL  
**743** : <2.6 U/mL  
**1071**: 8 U/mL  
**1353**: 6.27 U/mL  
**66603951**: 8.73 U/mL

**Lupus Anticoagulant**

**AntiCardiolipin Antibodies IgM**

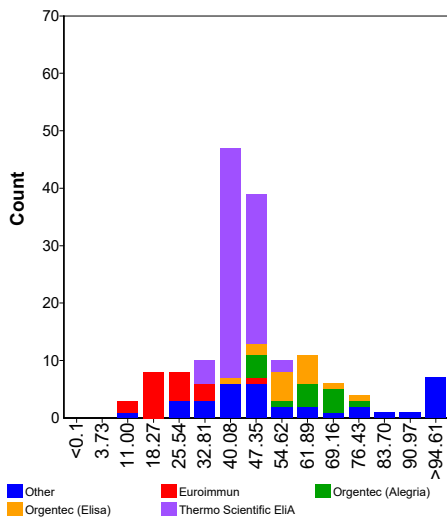
<b>Sample No</b>	26.71		
<b>Sample Details</b>	Plasma positive for Lupus Anticoagulant (LA Ratio approx. 1.5)		
<b>Prior Use</b>	Prior Use: None		
<b>Unit</b>	MPL, U/mL, µg/mL, CU/mL		
<b>Expiry Date</b>	31-December-2027		
<b>Homogeneity</b>	0.0 %	<b>Homogeneity Parameter</b>	LA Ratio
<b>Number of Participants</b>	662		
<b>Number of Responders</b>	248	<b>Response Rate</b>	37 %

Classification	Negative	Borderline	Low Positive	Medium Positive	High Positive	No Conclusion
<b>Total</b>	3	5	52	93	98	0

Your classification			
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IgG	n	assigned value	CV (%)	range	Test System 1 Result	z-score	Test System 2 Result	z-score	Test System 3 Result	z-score
<b>U/mL, µg/mL, GPL/MPL</b>	155	45.0	30.0	11.0 - 127.0						
Aeskulisa Diagnostic GmbH	7	70.0		28.0 - 127.0						
Biorad Bioplex	5	101.0		99.8 - 104.0						
Euroimmun	19	23.4	33.2	12.5 - 45.3						
IDS	5	39.9		36.6 - 48.1						
Orgentec (Alegria)	14	59.9	19.3	44.3 - 75.0						
Orgentec (Elisa)	15	57.4	15.7	41.4 - 78.7						
Thermo Scientific ELIA	72	42.5	10.5	35.0 - 56.0						
Werfen INOVA Quanta Lite	7	60.1		31.1 - 78.0						
<b>CU/mL</b>	92	106.6	10.1	78.7 - 127.4						
Werfen Acustar / INOVA Quanta Flash	92	106.6	10.1	78.7 - 127.4						

**MPL, U/mL, µg/mL**



**Comments**

A positive classification has been observed by the majority of participants .

Please be aware of the selection of the correct unit for the method group "Werfen Acustar / INOVA Quanta Flash". Since there is an order of magnitude difference between the results of the method "Werfen Acustar / INOVA Quanta Flash" from the other methods, it is expressed in the report as CU/mL instead of U/mL.

The following participants reported deviating results which were excluded from the statistical analysis:

**743** : <1.0 U/mL  
**1353**: 1.55 U/mL  
**5511**: 0.12 U/mL

**Lupus Anticoagulant**

**β2-Glycoprotein I Antibodies IgG**

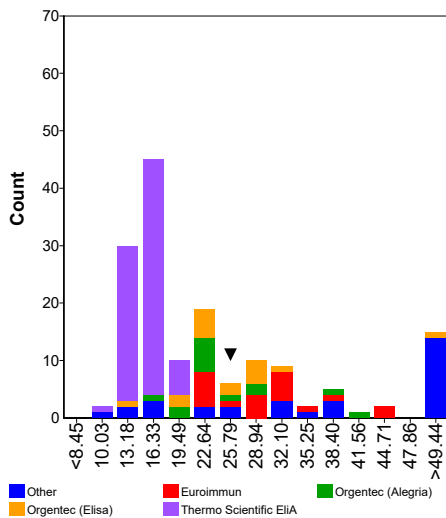
<b>Sample No</b>	26.71		
<b>Sample Details</b>	Plasma positive for Lupus Anticoagulant (LA Ratio approx. 1.5)		
<b>Prior Use</b>	Prior Use: None		
<b>Unit</b>	U, U/mL, µg/mL, CU/mL		
<b>Expiry Date</b>	31-December-2027		
<b>Homogeneity</b>	0.0 %	<b>Homogeneity Parameter</b>	LA Ratio
<b>Number of Participants</b>	662		
<b>Number of Responders</b>	248	<b>Response Rate</b>	37 %

Classification	Negative	Borderline	Low Positive	Medium Positive	High Positive	No Conclusion
<b>Total</b>	5	8	84	61	92	1

	TS1		
Your classification	High Positive		

IgG	n	assigned value	CV (%)	range	Test System 1 Result	z-score	Test System 2 Result	z-score	Test System 3 Result	z-score
<b>U, U/mL, µg/mL</b>	156	21.7	42.8	10.0 - 255.0	24.7	0.32				
Aeskulisa Diagnostic GmbH	7	22.6		10.0 - 61.0						
Biorad Bioplex	5	149.0		125.7 - 158.0						
Euroimmun	20	29.7	22.2	21.5 - 44.5						
Orgentec (Alegria)	14	24.4	21.8	17.7 - 40.0						
Orgentec (Elisa)	16	24.8	20.8	13.5 - 64.8	24.7	-0.01				
Thermo Scientific ELIA	75	15.3	11.7	10.0 - 19.0						
Werfen INOVA Quanta Lite	7	33.0		26.8 - 38.7						
<b>CU/mL</b>	93	435.6	13.1	197.1 - 571.0						
Werfen Acustar / INOVA Quanta Flash	93	435.6	13.1	197.1 - 571.0						

**U, U/mL, µg/mL**



**Comments**

A positive classification has been observed by the majority of participants .

Please be aware of the selection of the correct unit for the method group "Werfen Acustar / INOVA Quanta Flash". Since there is an order of magnitude difference between the results of the method "Werfen Acustar / INOVA Quanta Flash" from the other methods, it is expressed in the report as CU/mL instead of U/mL.

The following participants reported deviating results which were excluded from the statistical analysis:

**174** : 13 CU/mL

**743** : <6.4 U/mL

**Lupus Anticoagulant**

**β2-Glycoprotein I Antibodies IgM**

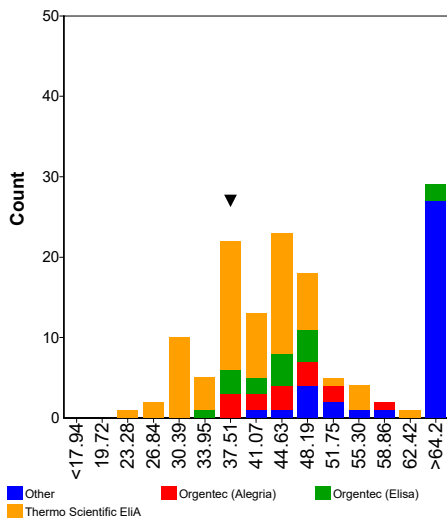
<b>Sample No</b>	26.71		
<b>Sample Details</b>	Plasma positive for Lupus Anticoagulant (LA Ratio approx. 1.5)		
<b>Prior Use</b>	Prior Use: None		
<b>Unit</b>	U, U/mL, µg/mL, CU/mL		
<b>Expiry Date</b>	31-December-2027		
<b>Homogeneity</b>	0.0 %	<b>Homogeneity Parameter</b>	LA Ratio
<b>Number of Participants</b>	662		
<b>Number of Responders</b>	234	<b>Response Rate</b>	35 %

Classification	Negative	Borderline	Low Positive	Medium Positive	High Positive	No Conclusion
<b>Total</b>	1	0	15	97	123	1

	TS1		
Your classification	High Positive		

IgG	n	assigned value	CV (%)	range	Test System 1 Result	z-score	Test System 2 Result	z-score	Test System 3 Result	z-score
<b>U, U/mL, µg/mL</b>	135	48.6	32.6	24.0 - 365.6	37.9	-0.68				
Aeskulisa Diagnostic GmbH	7	72.0		41.0 - 130.0						
Biorad Bioplex	5	133.8		124.0 - 137.0						
Euroimmun	9	284.0		170.0 - 365.6						
Orgentec (Alegria)	14	45.1	14.1	36.4 - 60.1						
Orgentec (Elisa)	16	44.1	13.6	35.7 - 89.8	37.9	-1.04				
Thermo Scientific EliA	68	40.0	18.4	24.0 - 61.0						
Werfen INOVA Quanta Lite	5	121.0		112.9 - 141.6						
<b>CU/mL</b>	90	105.6	10.4	84.4 - 128.0						
Werfen Acustar / INOVA Quanta Flash	90	105.6	10.4	84.4 - 128.0						

**U, U/mL, µg/mL**



**Comments**

A positive classification has been observed by the majority of participants.

Please be aware of the selection of the correct unit for the method group "Werfen Acustar / INOVA Quanta Flash". Since there is an order of magnitude difference between the results of the method "Werfen Acustar / INOVA Quanta Flash" from the other methods, it is expressed in the report as CU/mL instead of U/mL.

The following participant reported a deviating result which was excluded from the statistical analysis:

**743** : <1.1 U/mL

