

ECAT FOUNDATION

External quality Control for Assays and Tests

With a focus on Thrombosis and Haemostasis

REPORT



SURVEY 2026-M1

Main

Labcode 1492

Date of Issue : 18-May-2026

Survey : 2026-M1

Report : Main

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.

Multiple instruments

Participants have the option to submit three results per parameter for up to three different instruments and /or different methods. However, some participants submitted identical results three times, implying these were separate results. This is not the case and may affect the statistical analysis. The results submitted for the second and third system have been excluded from the statistical analysis. Please submit results no more than once unless they are a different measurement.

Z-score of the Predictive Control Chart

From 2026 in the Main Survey report, the Z-score history plot (by survey) is replaced by the Z-score Predictive Control Chart (PCC plot). Explanation about the PCC plot can be found after Log-in in the participants portal under "View Documents".

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

Registration number with the Chamber of Commerce (KvK) Gouda : 41174102
General terms of delivery are applicable to all our services.

OVERVIEW Z-SCORES

UV: Satisfactory ($-2 \leq Z\text{-score} \leq 2$)
 UV: Need attention ($-3 < Z\text{-score} < -2$ or $2 < Z\text{-score} < 3$)
 UV: Unsatisfactory ($Z\text{-score} \leq -3$ or ≥ 3)
 BV: Unacceptable

Module	Parameter	Sample	Test System	Total	Assay	Method	Bivariate Analysis
ADAMTS13 - I	ADAMTS13 Activity	26.51	1	0.16	1.35	1.50	
		26.52	1	-0.28	-0.19	-0.23	

ADAMTS13 - I	ADAMTS13 Activity
---------------------	--------------------------

Sample No 26.51
Sample Details Plasma with an ADAMTS13 activity level between 40 and 50%
Prior Use None
Unit % or IU/dL
Expiry Date 31-October-2027
Homogeneity 0.0 % **Homogeneity Parameter** ADAMTS13 Act
Number of Participants 207 **Response Rate** 93 %
Number of Responders 193
Comments The results of the participants (**labcode 1428 and 9045**) were excluded because they reported the result with an incorrect unit (U/mL instead of U/dL) .

Participants (**labcodes: 1313 and 1712**) reported deviating results which were excluded from the statistical analysis. These results might be caused by an accidental mix-up of the sample 26.51 and 26.52.

Classification Overview	Normal	BorderLine normal	Borderline abnormal	Abnormal	No classification
Total	85	29	45	60	3

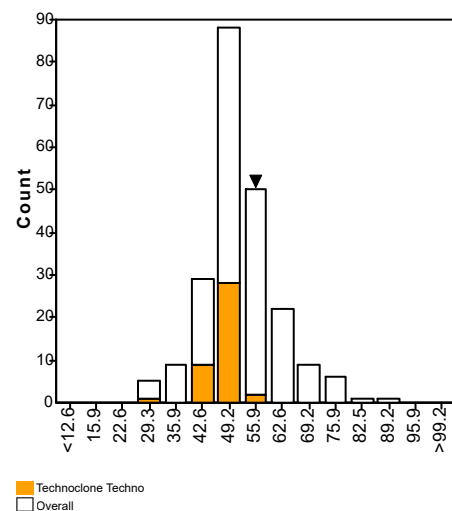
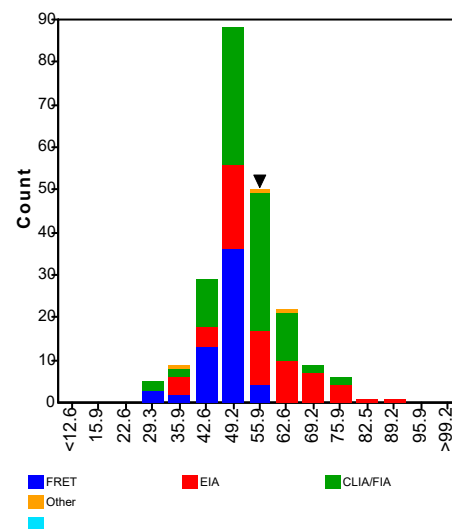
Your Classification Borderline abnormal

Own Reagent

	n	assigned value	Uncert.	CV (%)	Range						
						your result	z-score	your result	z-score	your result	z-score
Total Group	220	52	0.64	14.6	26 - 90	53.1	0.16				
FRET	58	48	0.67	8.5	26 - 55	53.1	1.35				
Technoclone Technofluor activity	40	48	0.67	7.1	26 - 54	53.1	1.50				

Other Reagents

	n	assigned value	Uncert.	CV (%)	Range
Total Group	220	52	0.64	14.6	26 - 90
FRET	58	48	0.67	8.5	26 - 55
Homemade	12	45	2.38	14.6	28 - 55
Immucor activity	3	52			51 - 54
Other	2	41			31 - 50
Sekisui Actifluor activity	1	36			-
Enzyme Immuno Assay	65	56	1.68	19.4	37 - 90
Technoclone Technozym activity	65	56	1.68	19.4	37 - 90
CLIA/FIA	94	53	0.88	12.9	28 - 75
Werfen Acustar activity	94	53	0.88	12.9	28 - 75
Other	3	55			36 - 66
Homemade	2	51			36 - 66
Other	1	55			-



ADAMTS13 - I	ADAMTS13 Activity
---------------------	--------------------------

Sample No 26.52
Sample Details Plasma with an ADAMTS13 activity level < 10%
Prior Use None
Unit % or IU/dL
Expiry Date 30-September-2027
Homogeneity 12.1 % **Homogeneity Parameter** ADAMTS13 Act
 For any method used for the measurement of this parameter with a CV ≤ 40.3% the criterion for homogeneity could not be met and the Z-scores should be interpreted with caution. See for further details the paragraph on the statistical evaluation in the Survey Manual.

Number of Participants 207
Number of Responders 193 **Response Rate** 93 %

Comments The result of participant (**labcode 1428**) was excluded because they reported the result with an incorrect unit (U/mL instead of U/dL) .

Participants (**labcodes: 1313 and 1712**) reported deviating results which were excluded from the statistical analysis. These results might be caused by an accidental mix-up of the sample 26.51 and 26.52.

Classification Overview	Normal	BorderLine normal	Borderline abnormal	Abnormal	No classification
Total	0	0	0	220	2

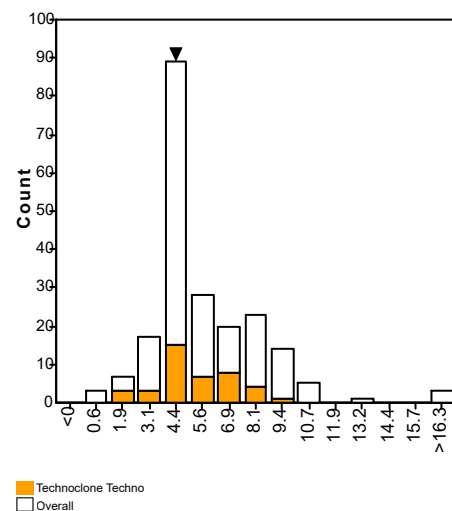
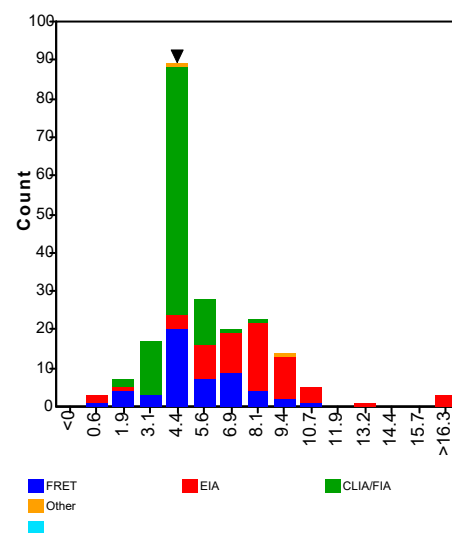
Your Classification Abnormal

Own Reagent

	n	assigned value	Uncert.	CV (%)	Range	your result	z-score	your result	z-score	your result	z-score
Total Group	210	5.5	0.19	39.2	0.0 - 25.0	4.9	-0.28				
FRET	51	5.3	0.35	38.0	0.0 - 10.5	4.9	-0.19				
Technoclone Technofluor activity	41	5.3	0.36	35.1	1.7 - 9.0	4.9	-0.23				

Other Reagents

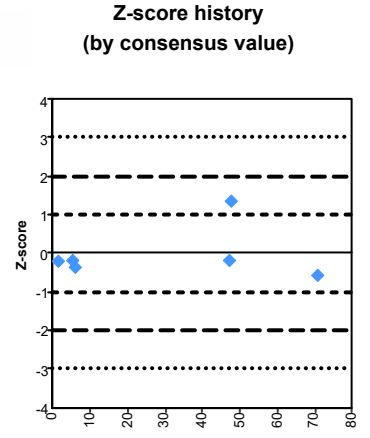
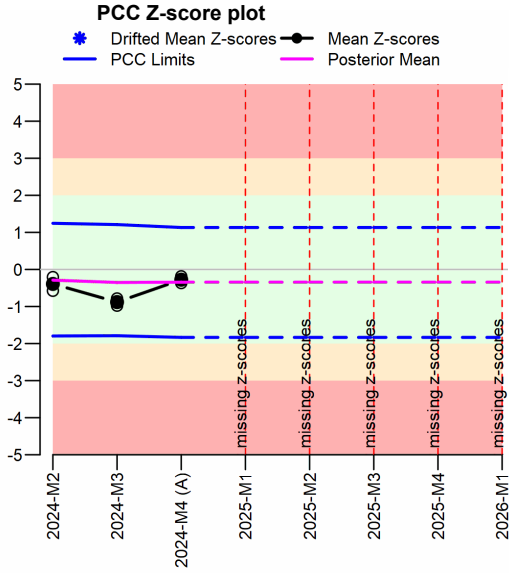
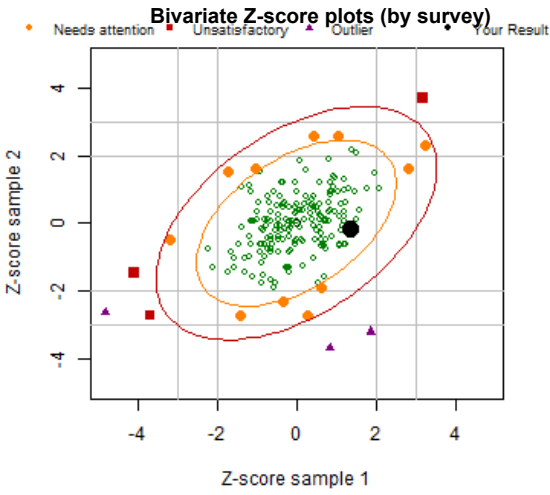
	n	assigned value	Uncert.	CV (%)	Range
Total Group	210	5.5	0.19	39.2	0.0 - 25.0
FRET	51	5.3	0.35	38.0	0.0 - 10.5
Homemade	5	4.3			0.0 - 4.9
Immucor activity	3	9.4			7.0 - 10.5
Other	2	3.6			2.3 - 5.0
Enzyme Immuno Assay	63	7.8	0.33	27.1	0.0 - 25.0
Technoclone Technozym activity	63	7.8	0.33	27.1	0.0 - 25.0
CLIA/FIA	94	4.3	0.09	16.4	2.4 - 8.3
Werfen Acustar activity	94	4.3	0.09	16.4	2.4 - 8.3
Other	2	6.5			4.1 - 9.0
Homemade	1	4.1			-
Other	1	9.0			-



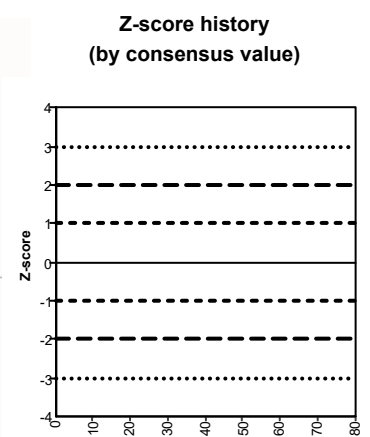
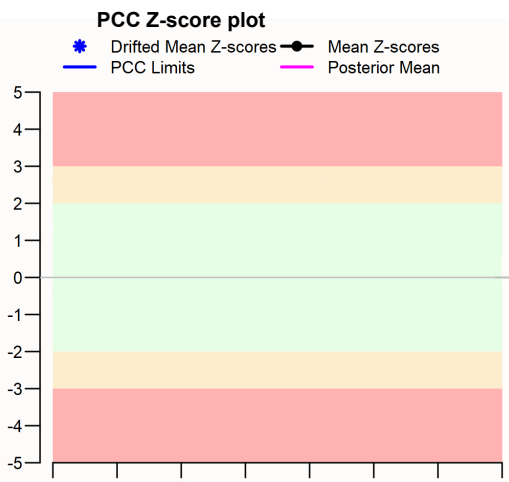
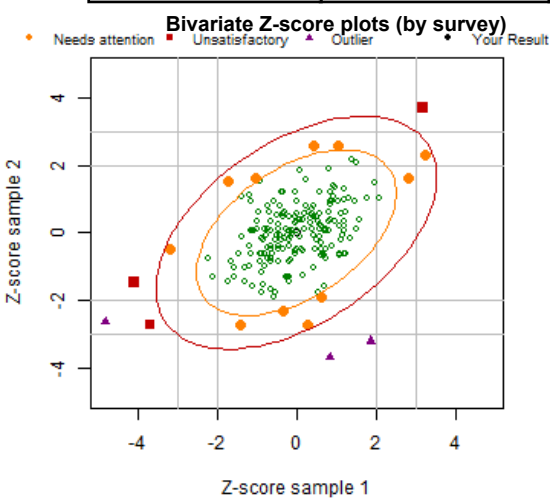
ADAMTS13 - I

ADAMTS13 Activity

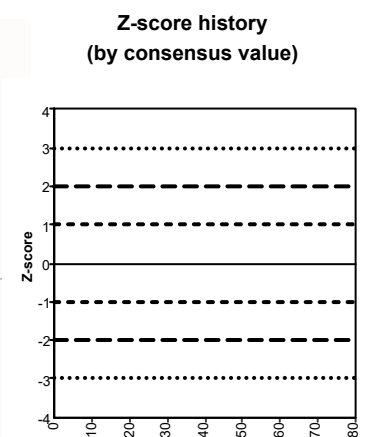
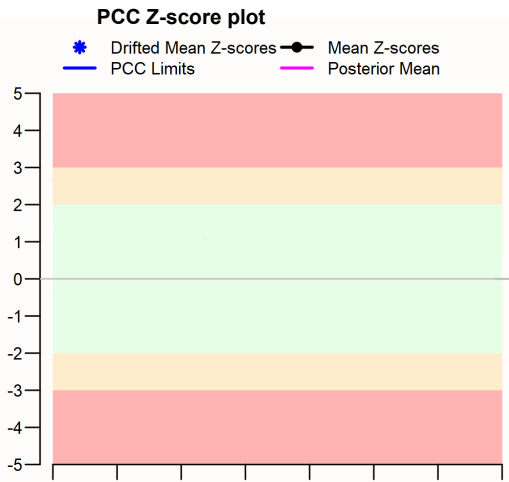
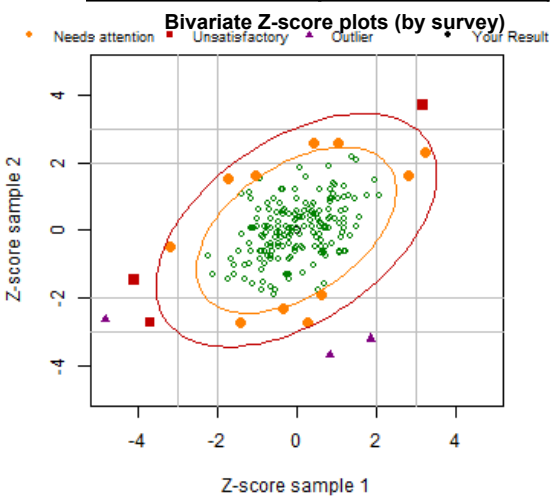
Instrument ID



Instrument ID



Instrument ID



ADAMTS13 - I

ADAMTS13 antigen

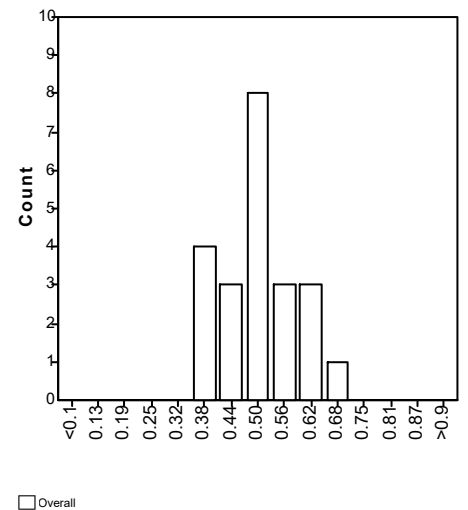
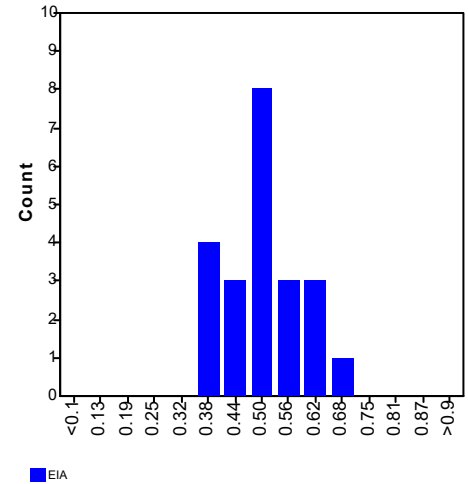
Sample No	26.51		
Sample Details	Plasma with an ADAMTS13 activity level between 40 and 50%		
Prior Use	None		
Unit	IU/mL		
Expiry Date	31-October-2027		
Homogeneity	0.0 %	Homogeneity Parameter	ADAMTS13 Act
Number of Participants	207		
Number of Responders	23	Response Rate	11 %
Comments	Participant (labcode: 950) reported a deviating result which was excluded from the statistical analysis. This result might be caused by an accidental mix-up of the sample 26.51 and 26.52.		

The following participant reported a deviating result which was excluded from the statistical analysis:
1167: 0.09 U/mL

Classification Overview	Normal	BorderLine normal	Borderline abnormal	Abnormal	No classification
Total	15	3	3	1	1

Other Reagents

	n	assigned value	Uncert.	CV (%)	Range
Enzyme Immuno Assay	22	0.50	0.03	20.4	0.36 - 0.66
Sekisui Imubind antigen	1	0.54			-
Technoclone Technozym activity/antigen	2	0.51			0.50 - 0.53
TechnocloneTechnozym antigen	19	0.50	0.03	22.1	0.36 - 0.66



ADAMTS13 - I

ADAMTS13 antigen

Sample No 26.52
Sample Details Plasma with an ADAMTS13 activity level < 10%
Prior Use None
Unit IU/mL
Expiry Date 30-September-2027
Homogeneity 12.1 % **Homogeneity Parameter** ADAMTS13 Act
 For any method used for the measurement of this parameter with a CV ≤ 40.3% the criterion for homogeneity could not be met and the Z-scores should be interpreted with caution. See for further details the paragraph on the statistical evaluation in the Survey Manual.

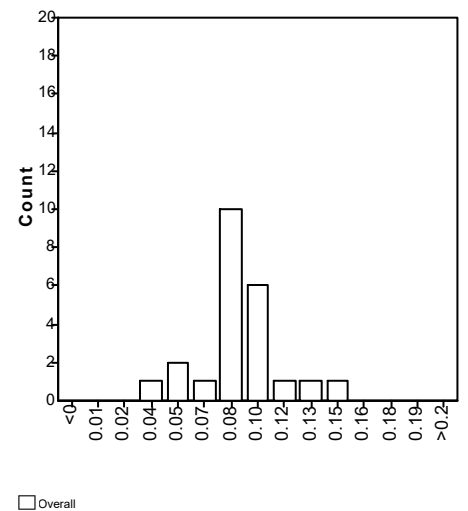
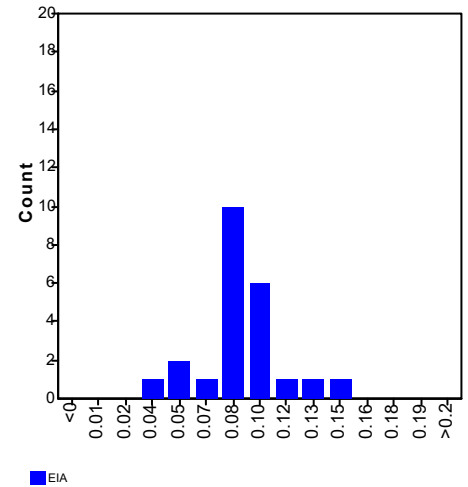
Number of Participants 207
Number of Responders 23 **Response Rate** 11 %

Comments Participant (**labcode: 950**) reported a deviating result which was excluded from the statistical analysis. This result might be caused by an accidental mix-up of the sample 26.51 and 26.52.

Classification Overview	Normal	BorderLine normal	Borderline abnormal	Abnormal	No classification
Total	0	0	0	22	1

Other Reagents

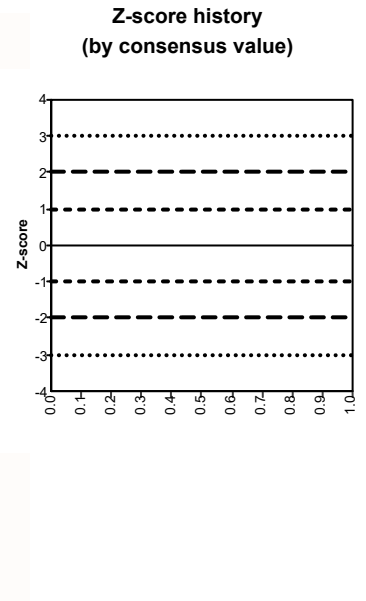
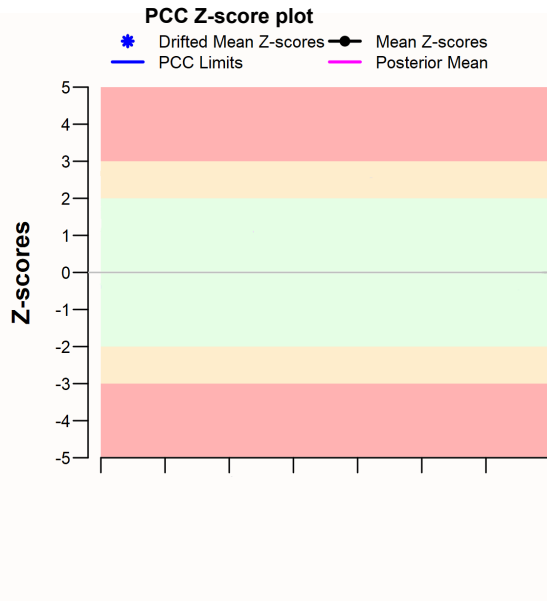
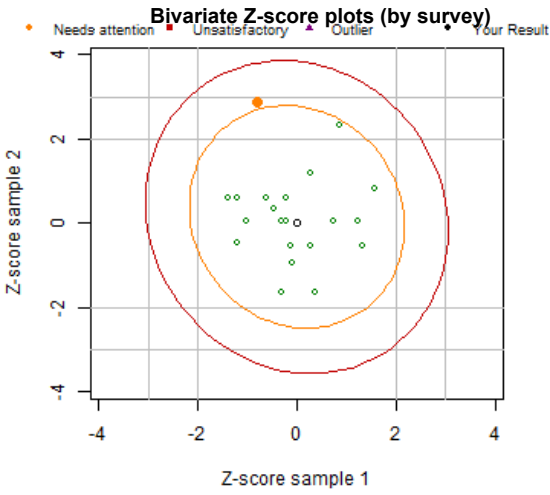
	n	assigned value	Uncert.	CV (%)	Range
Enzyme Immuno Assay	23	0.09	0.00	19.8	0.04 - 0.14
Sekisui Imubind antigen	1	0.06			-
Technoclone Technozym activity/antigen	2	0.09			0.07 - 0.11
TechnocloneTechnozym antigen	20	0.09	0.00	15.2	0.04 - 0.14



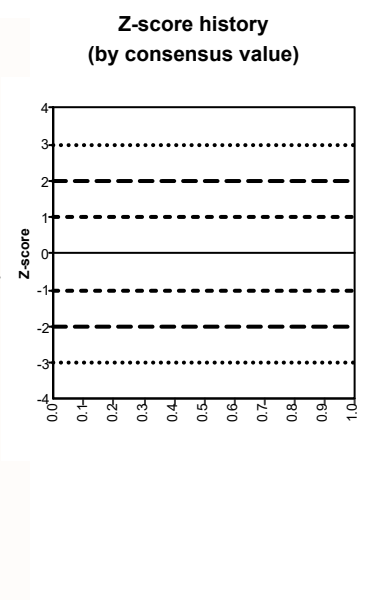
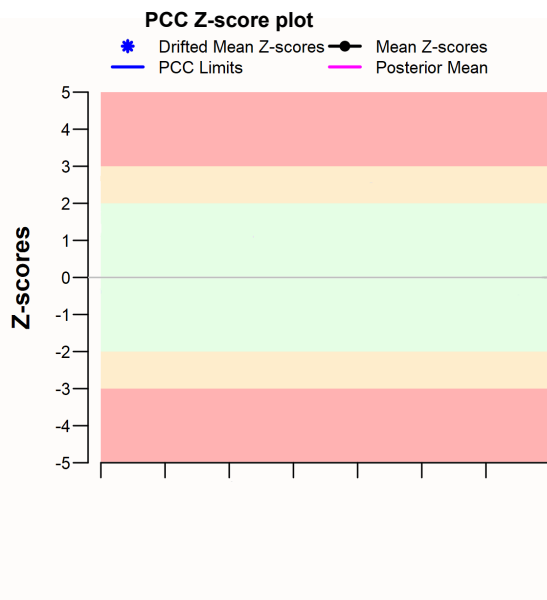
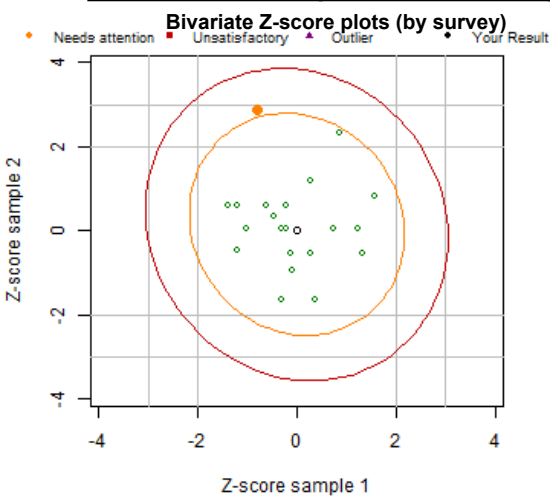
ADAMTS13 - I

ADAMTS13 antigen

Instrument ID



Instrument ID



Instrument ID

