

ECAT FOUNDATION

External quality Control for Assays and Tests

With a focus on Thrombosis and Haemostasis

REPORT



SURVEY 2025-M3

Main

Labcode 1492

Date of Issue : 31-October-2025

Survey : 2025-M3

Report : Main

Note:

In the Survey Manual 2025 detailed information is given regarding the ECAT external quality assessment programme, including the statistical evaluation and explanation of the report.

This Survey Manual 2025 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

From 2019 you have the possibility to submit per parameter results for three different instruments and or methods. However, some participants have submitted three times the same results, suggesting that this are separate results. This is not the case and may affect the statistical analysis. We have excluded the results from the second and third test system from the statistical analysis. Do not submit multiple times the same results anymore in future surveys.

Complaints

Any complaints regarding this survey report should be reported to the ECAT before **December 16th, 2025**. 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'.




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OVERVIEW Z-SCORES

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

Module	Parameter	Sample	Test System	Total	Assay	Method	Bivariate Analysis
ADAMTS13 - I	ADAMTS13 Activity	25.170	1	-0.03	0.65	1.10	
		25.171	1	-0.66	-0.48	-0.77	

ADAMTS13 - I	ADAMTS13 Activity
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Sample No 25.170

Sample Details Plasma with an ADAMTS13 activity level between 50 and 70%

Prior Use None

Unit % or IU/dL

Expiry Date 31-May-2027

Homogeneity 0.8 %

Homogeneity Parameter ADAMTS13

For any method used for the measurement of this parameter with a $CV \leq 2.7\%$ 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 205

Number of Responders 192

Response Rate 94 %

Comments The results of the following participants (**labcode 6239 and 9045**) were excluded because they reported the results with an incorrect unit.

The following participant reported a deviating result which was excluded from the statistical analysis:
1690: 10%

Classification Overview	Normal	BorderLine normal	Borderline abnormal	Abnormal	No classification
Total	167	21	15	15	2

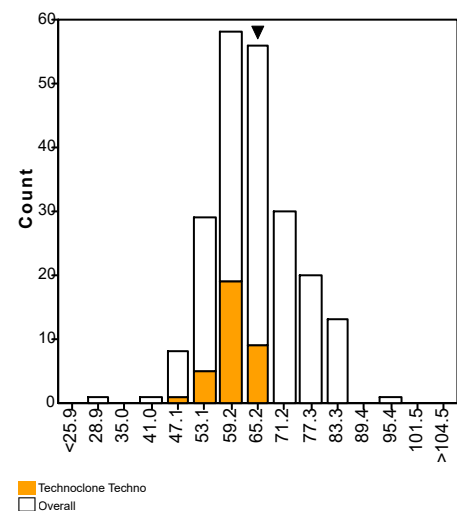
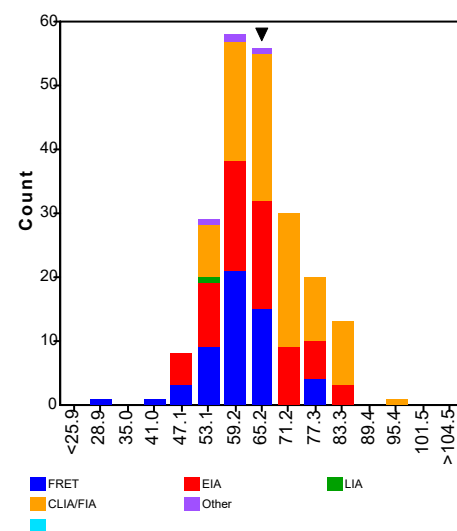
Your Classification Normal

Own Reagent

	n	assigned value	Uncert.	CV (%)	Range	your result	z-score	your result	z-score	your result	z-score
Total Group	217	64	0.76	14.0	31 - 94	64.0	-0.03				
FRET	54	60	1.02	10.0	31 - 80	64.0	0.65				
Technoclone Technofluor activity	34	60	0.76	5.9	50 - 66	64.0	1.10				

Other Reagents

	n	assigned value	Uncert.	CV (%)	Range
Total Group	217	64	0.76	14.0	31 - 94
FRET	54	60	1.02	10.0	31 - 80
Homemade	12	62	4.73	21.1	44 - 80
Immucor activity	3	63			58 - 77
Other	4	50			31 - 68
Sekisui Actifluor activity	1	63			-
Enzyme Immuno Assay	67	63	1.42	14.8	44 - 85
Technoclone Technozym activity	66	63	1.40	14.4	44 - 85
Technoclone Technozym activity/antigen	1	47			-
Latex Immuno Assay	1	56			-
Homemade	1	56			-
CLIA/FIA	92	68	1.19	13.5	52 - 94
Other	1	62			-
Werfen Acustar activity	91	68	1.21	13.5	52 - 94
Other	3	59			56 - 67
Homemade	2	63			59 - 67
Other	1	56			-



ADAMTS13 - I	ADAMTS13 Activity
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Sample No 25.171

Sample Details Borderline Coagulation Control Plasma

Prior Use None

Unit % or IU/dL

Expiry Date 30-November-2025

Homogeneity 3.4 %

Homogeneity Parameter APTT

For any method used for the measurement of this parameter with a **CV ≤ 11.3%** 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 205

Number of Responders 192

Response Rate 94 %

Comments The results of the following participants (**labcode 6239 and 9045**) were excluded because they reported the results with an incorrect unit.

Classification Overview	Normal	BorderLine normal	Borderline abnormal	Abnormal	No classification
Total	139	30	18	31	2

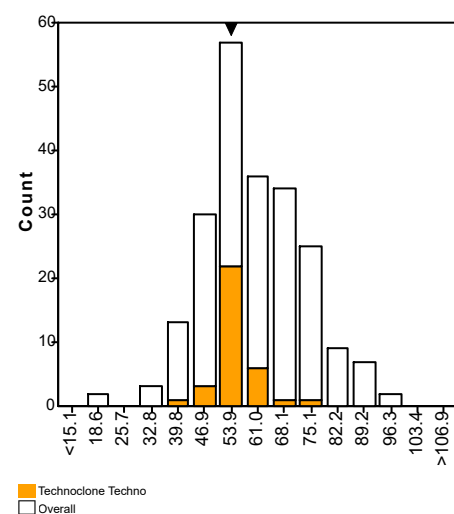
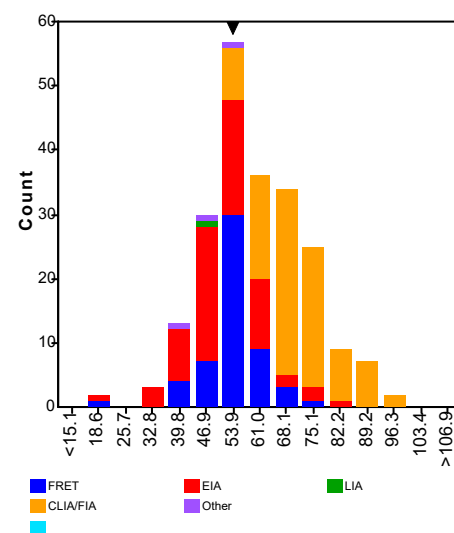
Your Classification Abnormal

Own Reagent

	n	assigned value	Uncert.	CV (%)	Range	your result	z-score	your result	z-score	your result	z-score
Total Group	218	60	1.09	21.6	16 - 99	51.1	-0.66				
FRET	55	54	0.94	10.4	16 - 74	51.1	-0.48				
Technoclone Technofluor activity	34	54	0.87	7.5	40 - 74	51.1	-0.77				

Other Reagents

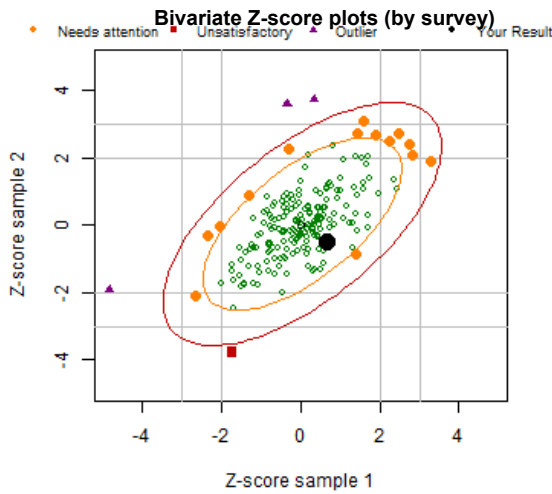
	n	assigned value	Uncert.	CV (%)	Range
Total Group	218	60	1.09	21.6	16 - 99
FRET	55	54	0.94	10.4	16 - 74
Homemade	13	52	3.98	21.9	16 - 69
Immucor activity	3	56			56 - 67
Other	4	46			43 - 54
Sekisui Actifluor activity	1	53			-
Enzyme Immuno Assay	67	51	1.37	17.6	17 - 84
Technoclone Technozym activity	66	51	1.35	17.1	33 - 84
Technoclone Technozym activity/antigen	1	17			-
Latex Immuno Assay	1	49			-
Homemade	1	49			-
CLIA/FIA	92	70	1.20	13.2	53 - 99
Other	1	61			-
Werfen Acustar activity	91	70	1.21	13.2	53 - 99
Other	3	46			41 - 54
Homemade	2	50			46 - 54
Other	1	41			-



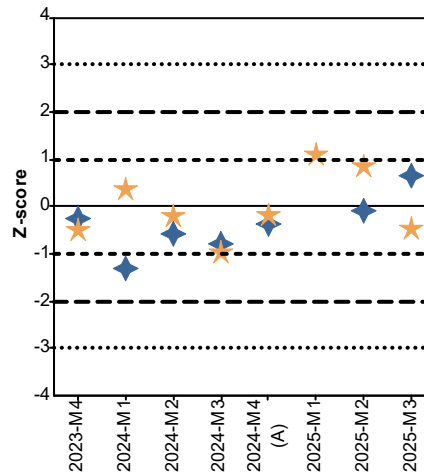
ADAMTS13 - I

ADAMTS13 Activity

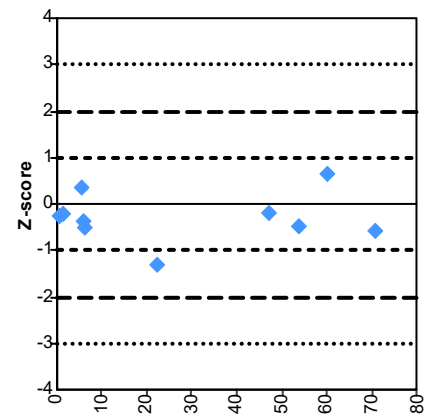
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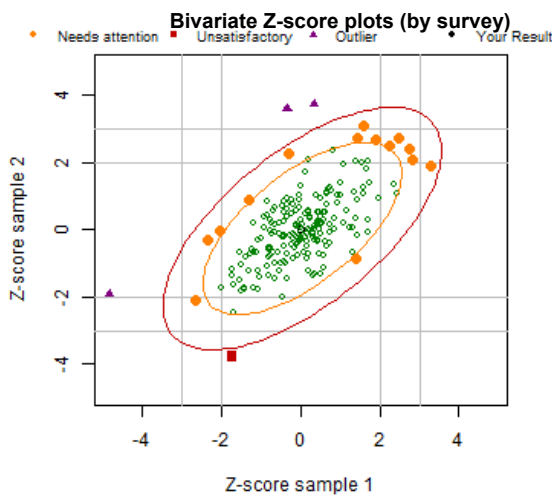
Z-score history (by survey)



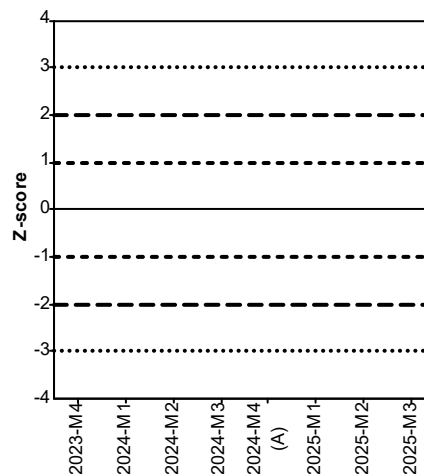
Z-score history (by consensus value)



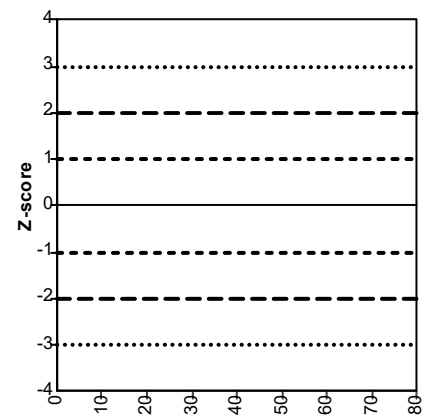
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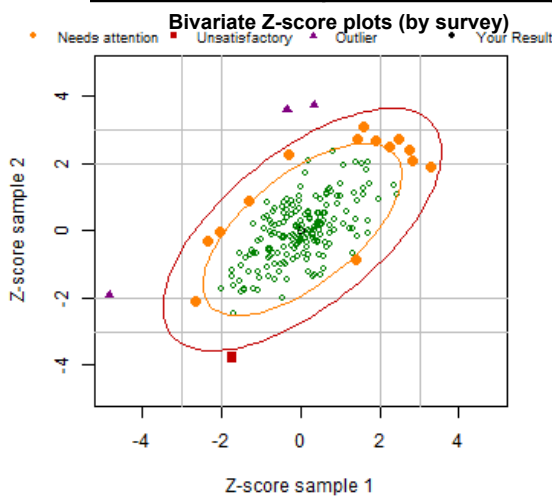
Z-score history (by survey)



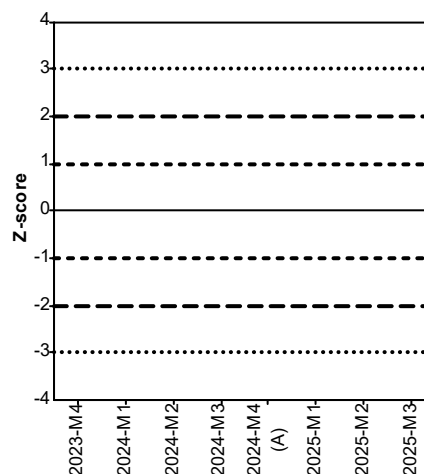
Z-score history (by consensus value)



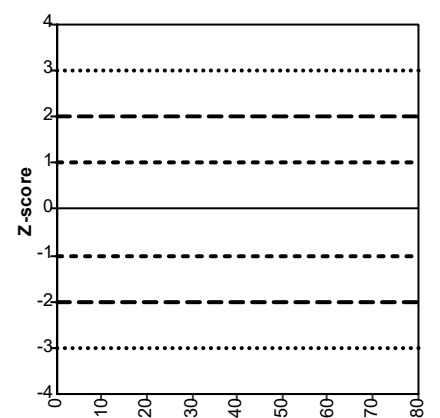
Instrument ID



Z-score history (by survey)



Z-score history (by consensus value)



ADAMTS13 - I

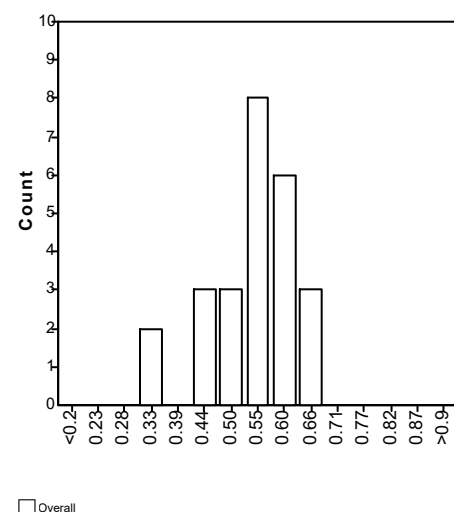
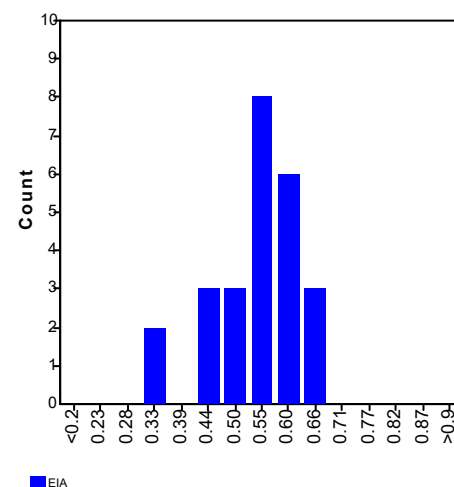
ADAMTS13 antigen

Sample No	25.170		
Sample Details	Plasma with an ADAMTS13 activity level between 50 and 70%		
Prior Use	None		
Unit	IU/mL		
Expiry Date	31-May-2027		
Homogeneity	0.8 %	Homogeneity Parameter	ADAMTS13
	For any method used for the measurement of this parameter with a $CV \leq 2.7\%$ 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	205		
Number of Responders	25	Response Rate	12 %
Comments	The results of the following participants (labcode 215 and 1511) were excluded because they reported the results with an incorrect unit.		

Classification Overview	Normal	BorderLine normal	Borderline abnormal	Abnormal	No classification
Total	20	4	1	2	0

Other Reagents

	n	assigned value	Uncert.	CV (%)	Range
Enzyme Immuno Assay	25	0.55	0.02	15.7	0.31 - 0.67
Other	1	0.44			-
Technozym Technozym activity/antigen	3	0.59			0.53 - 0.67
Technozym Technozym antigen	21	0.55	0.02	15.2	0.31 - 0.67



ADAMTS13 - I

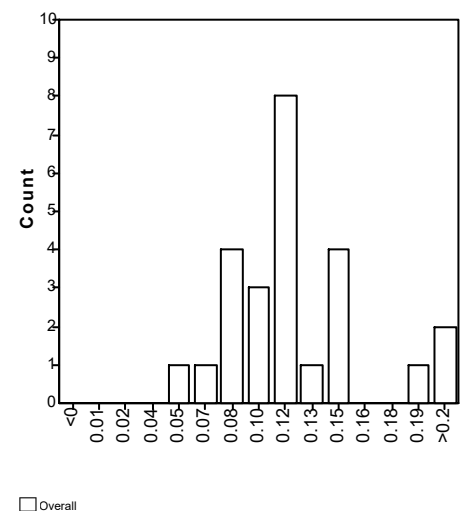
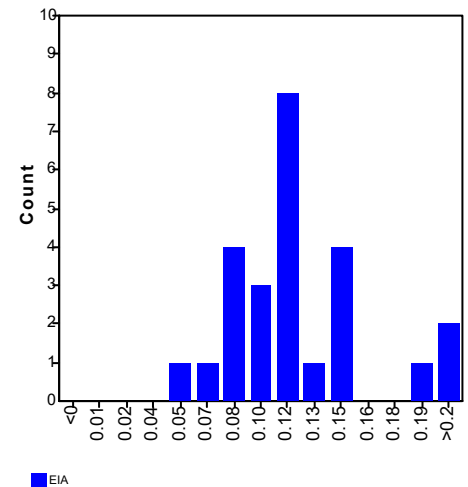
ADAMTS13 antigen

Sample No	25.171		
Sample Details	Borderline Coagulation Control Plasma		
Prior Use	None		
Unit	IU/mL		
Expiry Date	30-November-2025		
Homogeneity	3.4 %	Homogeneity Parameter	APTT
	For any method used for the measurement of this parameter with a $CV \leq 11.3\%$ 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	205		
Number of Responders	25	Response Rate	12 %
Comments	The results of the following participants (labcode 215 and 1511) were excluded because they reported the results with an incorrect unit.		

Classification Overview	Normal	BorderLine normal	Borderline abnormal	Abnormal	No classification
Total	2	1	0	24	0

Other Reagents

	n	assigned value	Uncert.	CV (%)	Range
Enzyme Immuno Assay	25	0.12	0.01	27.5	0.06 - 0.44
Other	1	0.32			-
Technozym Technozym activity/antigen	3	0.14			0.10 - 0.44
Technozym Technozym antigen	21	0.11	0.01	24.8	0.06 - 0.19



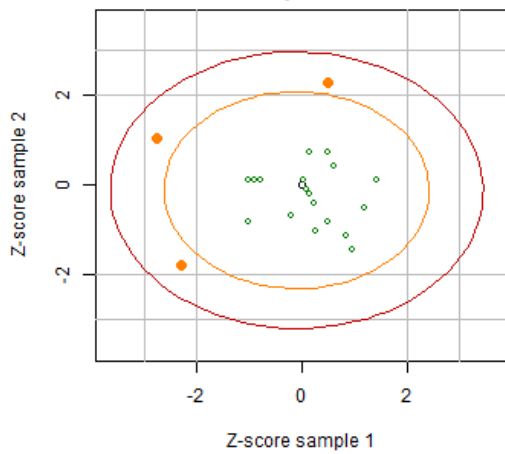
ADAMTS13 - I

ADAMTS13 antigen

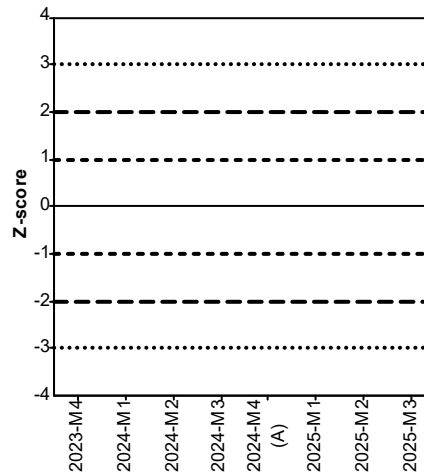
Instrument ID

Needs attention Unsatisfactory Outlier Your Result

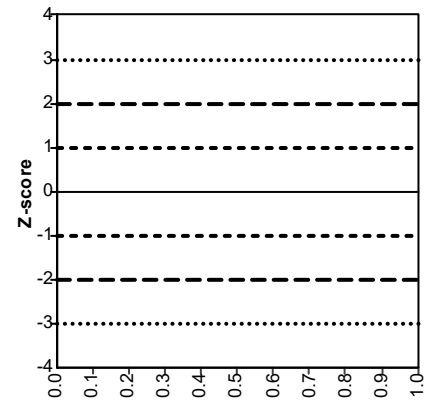
Bivariate Z-score plots (by survey)



Z-score history (by survey)



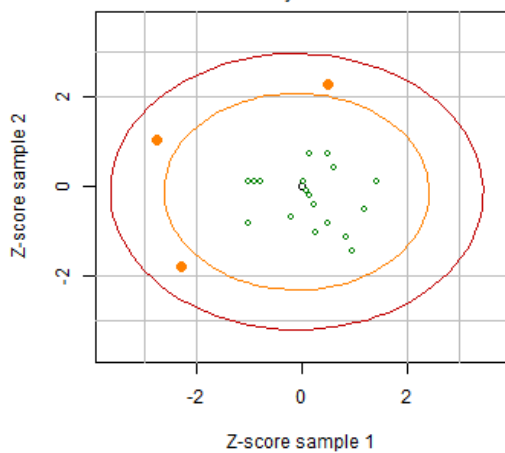
Z-score history (by consensus value)



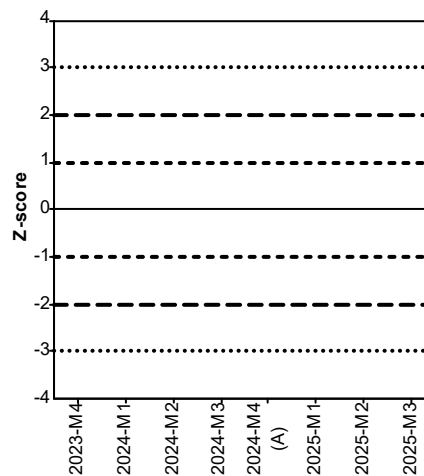
Instrument ID

Needs attention Unsatisfactory Outlier Your Result

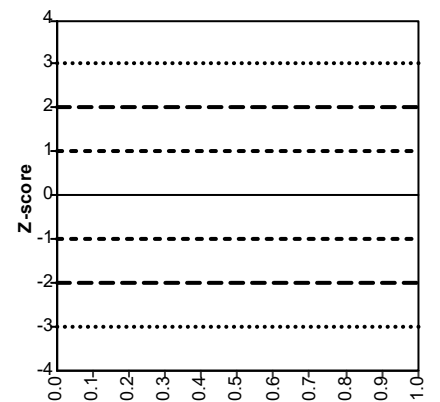
Bivariate Z-score plots (by survey)



Z-score history (by survey)



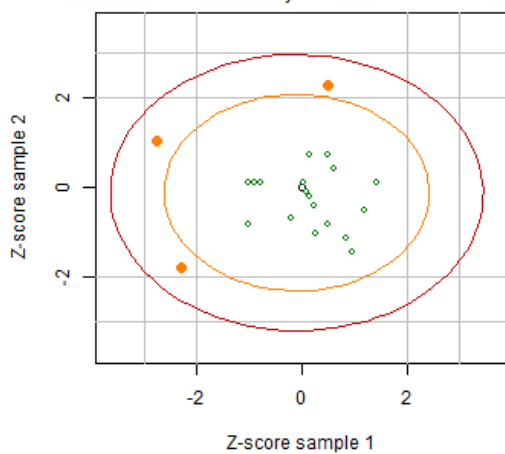
Z-score history (by consensus value)



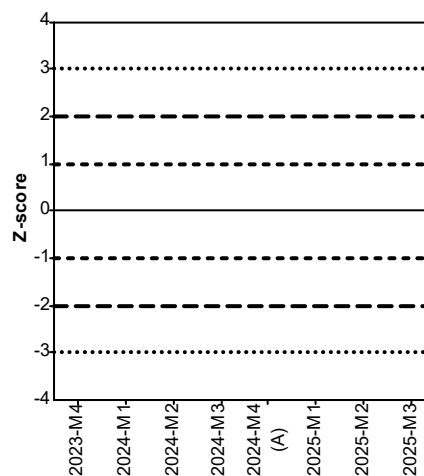
Instrument ID

Needs attention Unsatisfactory Outlier Your Result

Bivariate Z-score plots (by survey)



Z-score history (by survey)



Z-score history (by consensus value)

