ECAT FOUNDATION

External quality Control for Assays and Tests

With a focus on Thrombosis and Haemostasis

REPORT



SURVEY 2023-H3 Haemophilia Labcode 1492

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External quality Control for Assays and Tests With a focus on Thrombosis and Haemostasis

Version:

1.0.0

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Date of Issue	:	27-oktober-2023
Survey	:	2023-H3
Report	:	Haemophilia

Note:

In the Survey Manual 2023 detailed information is given regarding the ECAT external quality assessment programme, including the statistical evaluation and explanation of the report.

This Survey Manual 2023 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

Complaints

Any complaints regarding this survey report should be reported to the ECAT before **December 12th, 2023.** Complaints received after this date will not be taken into consideration.

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 <u>not</u> the case and may affect the statistical analysis. We have excluded the results from the second and third test system in the statistical analysis. Do not submit multiple times the same results anymore in future surveys.

Exclusion of results

Results < [value] or > [value] are excluded in the statistical analysis.

When other results (e.g. deviating results) are excluded in the statistical analysis, these results are placed between brackets.

This report is authorized by:

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

<u>Note</u>: A printed version of the actual Survey Manual is provided to all participants once a year. This manual can also be downloaded from the member section of the ECAT website.

ECAT Foundation

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OVERVIEW Z-SCORES										
UV:Satisfactory (-2 ≤ Z-score ≤ 2) UV: Need attention (-3 < Z-score < -2 or 2 < Z-score < UV:Unsatisfactory (Z-score ≤ -3 or ≥ : BV: Unacceptable										≥ 3)
										Bivarate Analysis
Module	Parameter	Sample	Test System		Total	tal Assay Method				
Factor IX Inhibitor	Factor IX Inhibitor	23.162	1		0.89		1.00		1.24	
		23.163	1		-0.12		-0.12		-0.05	



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Factor IX Inhibitor

Factor IX Inhibitor

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Sample No	23.162		
Sample Details	Plasma with a Factor IX In	hibitor level of approx. 9 BU/mL	
Prior Use	None		
Unit	BU/mL		
Expiry Date	30-april-2026		
Homogeneity	0.0 %	Homogeneity Parameter	FIX inhibitor
Number of Participants	277		
Number of Responders	246	Response Rate	89 %
Comments	The following participan	t reported a deviating result which was	s excluded in the statistical evaluation:
	792 : 1.05 BU/mL		

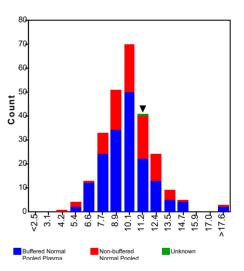
The following participants (**labcodes: 192, 213, 1022, 1077 and 3810**) reported deviating results which were excluded in the statistical evaluation. These results might be caused by an accidental mix-up of the sample 23.162 and 23.163.

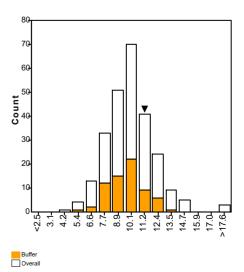
Own Reagent

	n	assigned value	Uncert.	CV (%)	Range	your result	z-score	your result	z-score	your result	z-score
Total Group	254	9.9	0.14	18.7	4.7 - 35.2	11.5	0.89				
Buffered Normal Pooled Plasma	168	9.7	0.17	18.7	5.8 - 35.2	11.5	1.00				
Buffer	68	9.6	0.23	15.8	5.8 - 13.2	11.5	1.24				

Other Reagents

	n	assigned value	Uncert.	CV (%)	Range
Total Group	254	9.9	0.14	18.7	4.7 - 35.2
Unknown	1	11.3			-
Factor IX deficient plasma	1	11.3			-
Buffered Normal Pooled Plasma	168	9.7	0.17	18.7	5.8 - 35.2
Buffer + Albumin	19	9.5	0.52	19.2	6.2 - 12.2
Factor IX deficient plasma	67	10.2	0.31	20.0	6.5 - 35.2
Heat-inactivated normal plasma	7	7.0			5.8 - 13.2
Other	6	8.5			7.2 - 9.6
Unknown	1	6.4			-
Non-buffered Normal Pooled Plasma	85	10.1	0.25	18.4	4.7 - 18.9
Buffer	47	9.9	0.34	19.0	4.7 - 14.7
Buffer + Albumin	2	11.9			11.8 - 12.1
Factor IX deficient plasma	26	10.1	0.42	16.8	5.9 - 18.9
Heat-inactivated normal plasma	2	12.7			11.8 - 13.6
Other	7	9.4			8.0 - 12.8
Unknown	1	11.0			-







Factor IX Inhibitor

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Factor IX Inhibitor

Version:

1.0.0

Sample No	23.163						
Sample Details	Plasma with a Factor IX Inhibitor lev	/el of approx. 1 BU/mL					
Prior Use	None						
Unit	BU/mL						
Expiry Date	30-april-2026						
Homogeneity	3.3 %	Homogeneity Parameter	FIX inhibitor				
	For any method used for the measurement of this parameter with a CV ≤ 11.0% the criterion for						
	homogeneity could not be met and	the Z-scores should be interprete	d with caution. See for further details				
	the paragraph on the statistical eva	luation in the Survey Manual.					
Number of Participants	277						
Number of Responders	246	Response Rate	89 %				
Comments	The following participant reporte 143 : 46.8 BU/mL	ed a deviating result which was	excluded in the statistical evaluation:				

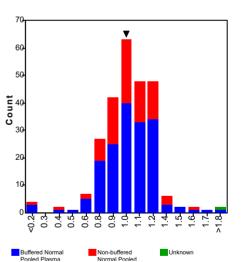
The following participants (**labcodes: 192, 213, 1022, 1077 and 3810**) reported deviating results which were excluded in the statistical evaluation. These results might be caused by an accidental mix-up of the sample 23.162 and 23.163.

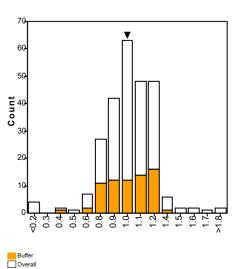
<u>Own Reagent</u>

Own Acagent									_		
	n	assigned	Uncert.	CV (%)	Range	your	z-score	your	z-score	your	z-score
		value				result		result		result	
Total Group	255	1.0	0.02	19.5	0.0 - 4.0	1.0	-0.12				
Buffered Normal Pooled Plasma	169	1.0	0.02	19.8	0.0 - 4.0	1.0	-0.12				
Buffer	69	1.0	0.03	21.3	0.4 - 1.4	1.0	-0.05				

Other Reagents

	n	assigned	Uncert.	CV (%)	Range
	055	value	0.00	40.5	0.0 4.0
Total Group	255	1.0	0.02	19.5	0.0 - 4.0
Unknown	1	2.9			-
Factor IX deficient plasma	1	2.9			-
Buffered Normal Pooled Plasma	169	1.0	0.02	19.8	0.0 - 4.0
Buffer + Albumin	18	1.0	0.04	12.3	0.7 - 1.3
Factor IX deficient plasma	68	1.1	0.03	19.4	0.0 - 4.0
Heat-inactivated normal plasma	7	1.0			0.7 - 1.2
Other	6	0.9			0.0 - 1.1
Unknown	1	0.8			-
Non-buffered Normal Pooled Plasma	85	1.0	0.03	18.9	0.0 - 1.6
Buffer	47	1.0	0.03	17.4	0.4 - 1.3
Buffer + Albumin	2	1.0			0.8 - 1.3
Factor IX deficient plasma	26	1.0	0.04	17.8	0.0 - 1.3
Heat-inactivated normal plasma	2	1.4			1.2 - 1.6
Other	7	1.0			0.7 - 1.4
Unknown	1	1.0			-

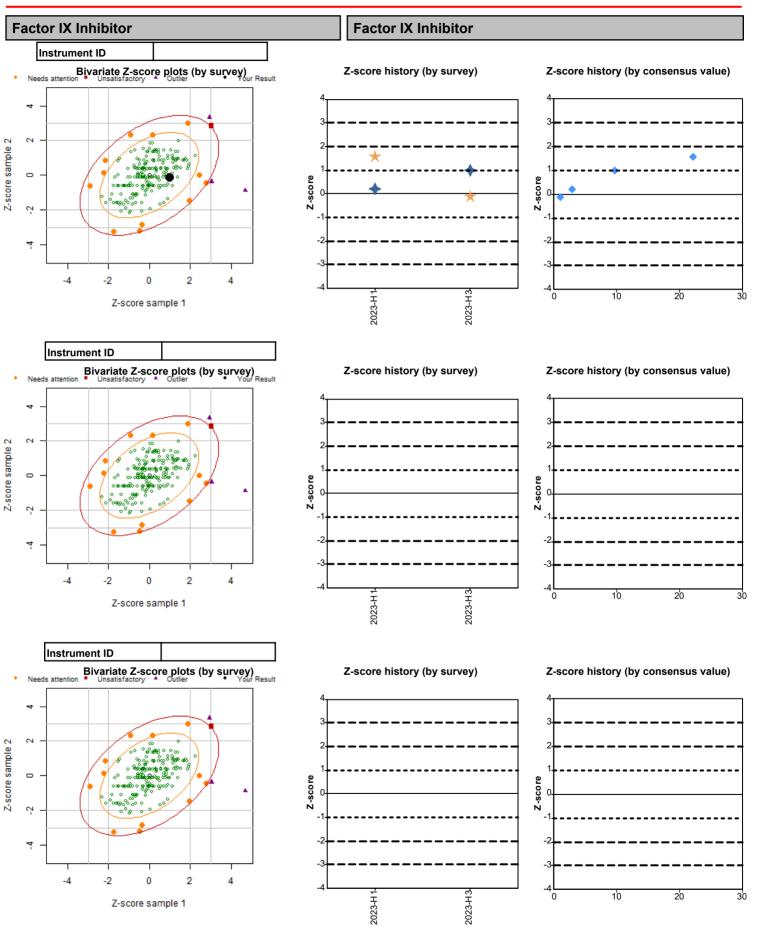






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