ECAT FOUNDATION

External quality Control for Assays and Tests

With a focus on Thrombosis and Haemostasis

REPORT



SURVEY 2020-M1 Main Labcode 99906936

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

1.0.0

Version:

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Date of Issue	:	28-May-2020
Survey	:	2020-M1
Report	:	Main

Note:

In the Survey Manual 2020 detailed information is given regarding the ECAT external quality assessment programme, including the statistical evaluation and explanation of the report.

This Survey Manual 2020 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 on page 21 of the Survey Manual.

Complaints

Any complaints regarding this survey report should be reported to the ECAT before July **8th**, **2020**. 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 two or three times the same results, suggesting that this are separate results. Only results clearly marked with different instruments or different methods are included as additional result. Duplicated results, which are probably <u>no</u> separate results are excluded in 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 from the statistical analysis. When other results (e.g. deviating results) are excluded from 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										
Satisfactory ($-2 \le Z$ -score ≤ 2)Need attention ($-3 \le Z$ -score ≤ -2 or $2 \le Z$ -score ≤ 3)Unsatisfactory (Z-score ≤ -3 or > 3)										
Module	Parameter	Sample	Test System	Total	Assay	Method				
Factor IX Inhibitor	Factor IX Inhibitor	20.60	1	-0.0	3 0.06	-0.17				
		20.61	1	0.1	0 0.14	-0.08				



Factor IX Inhibitor

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Factor IX Inhibitor

Version:

1.0.0

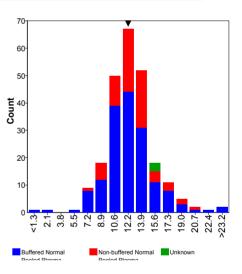
Sample No	20.60		
Sample Details	Plasma with a Factor IX	Inhibitor level of approx. 12.5 BU/mL	
Prior Use	Prior Use: None		
Unit	Units:		
Expiry Date	31-October-2022		
Homogeneity	5.8 %	Homogeneity Parameter	FIX inhibitor
	homogeneity could not b	r the measurement of this parameter with a C be met and the Z-scores should be interprete atistical evaluation in the Survey Manual.	
Number of Participants	266		
Number of Responders	231	Response Rate	87 %
Comments		ode 9059), reported a result for factor VIII vas excluded in the statistical evaluation.	inhibitor (0.0) instead of a factor IX

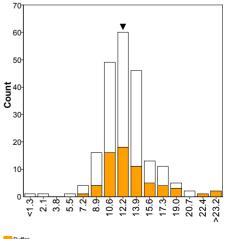
Own Reagent

<u>Own Reagent</u>											
	n	assigned value	Uncert.	CV (%)	Range	your result	z-score	your result	z-score	your result	z-score
Total Group	238	12.5	0.21	20.7	0.9 - 30.0	12.4	-0.03				
Buffered Normal Pooled Plasma	163	12.2	0.27	22.3	0.9 - 30.0	12.4	0.06				
Buffer	65	12.9	0.45	22.3	8.0 - 30.0	12.4	-0.17				

Other Reagents

	n	assigned value	Uncert.	CV (%)	Range
Total Group	238	12.5	0.21	20.7	0.9 - 30.0
Unknown	3	15.7			15.4 - 16.0
Buffer	2	15.6			15.4 - 15.7
Factor IX deficient plasma	1	16.0			-
Buffered Normal Pooled Plasma	163	12.2	0.27	22.3	0.9 - 30.0
Buffer + Albumin	15	11.2	0.88	24.3	0.9 - 14.6
Factor IX deficient plasma	65	12.3	0.41	21.5	1.5 - 20.6
Heat-inactivated normal plasma	8	12.3			6.5 - 14.5
Other	8	11.4			6.5 - 14.4
Unknown	2	10.2			8.8 - 11.5
Non-buffered Normal Pooled Plasma	72	12.8	0.32	16.9	7.4 - 21.0
Buffer	42	12.7	0.29	11.7	9.1 - 16.8
Buffer + Albumin	2	13.0			12.9 - 13.2
Factor IX deficient plasma	15	14.2	1.43	31.3	7.4 - 21.0
Heat-inactivated normal plasma	2	15.0			14.0 - 16.0
Other	10	11.5	0.94	20.7	8.5 - 14.4
Unknown	1	16.0			-





Buffer



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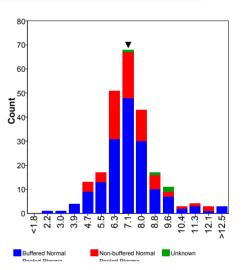
Factor IX Inhibitor		Factor IX Inhibitor	
Sample No	20.61		
Sample Details	Plasma with a Factor IX Inhibitor level or	f approx. 7.5 BU/mL	
Prior Use	Prior Use: None		
Unit	Units:		
Expiry Date	31-October-2022		
Homogeneity	0.0 %	Homogeneity Parameter	FIX inhibitor
Number of Participants	266		
Number of Responders	231	Response Rate	87 %
Comments	One participant (labcode 9059), repo inhibitor. This result was excluded in		inhibitor (0.0) instead of a factor IX

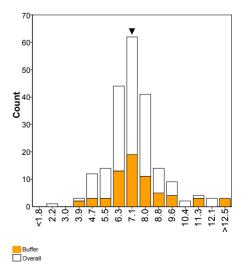
Own Reagent

<u>e minougent</u>											
	n	assigned value	Uncert.	CV (%)	Range	your result	z-score	your result	z-score	your result	z-score
Total Group	239	7.2	0.11	18.7	1.9 - 18.0	7.3	0.10				
Buffered Normal Pooled Plasma	163	7.1	0.13	18.8	1.9 - 18.0	7.3	0.14				
Buffer	66	7.4	0.23	20.2	4.0 - 18.0	7.3	-0.08				

Other Reagents

	n	assigned value	Uncert.	CV (%)	Range
Total Group	239	7.2	0.11	18.7	1.9 - 18.0
Unknown	4	9.4			7.2 - 10.0
Buffer	3	9.2			7.2 - 10.0
Factor IX deficient plasma	1	9.6			-
Buffered Normal Pooled Plasma	163	7.1	0.13	18.8	1.9 - 18.0
Buffer + Albumin	14	7.3	0.28	11.6	5.5 - 12.3
Factor IX deficient plasma	65	6.9	0.20	18.7	1.9 - 10.2
Heat-inactivated normal plasma	8	6.7			3.0 - 8.4
Other	8	6.3			3.5 - 10.3
Unknown	2	6.2			5.6 - 6.7
Non-buffered Normal Pooled Plasma	72	7.2	0.19	17.9	4.4 - 12.1
Buffer	42	7.2	0.25	18.3	4.4 - 9.5
Buffer + Albumin	2	6.5			6.2 - 6.7
Factor IX deficient plasma	15	8.3	0.82	30.3	5.5 - 12.1
Heat-inactivated normal plasma	2	7.1			7.0 - 7.2
Other	10	6.6	0.25	9.7	5.5 - 7.5
Unknown	1	8.0			-







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Factor IX Inhibitor

Factor IX Inhibitor

