

QC Chart of Internal Quality Control (IQC)for G6PD Quantitative Test

Select LotNo : BE0116N (2025-02-12 ~ 2100-12-31) Change

Print Table

Lab018

	Control N		Control D	
QC Control Lot No.	BE0116N		BE0116D	
Duration of the Analyzing	Month (2025/11)	CUM (2025/11/04~2025/11/29)	Month (2025/11)	CUM (2025/11/04~2025/11/29)
Runs (N)	8	8	8	8
Mean (U/gHb)	14.3	14.3	5.2	5.2
SD	0.2	0.2	0.1	0.1
CV (%)	1.4	1.4	1.9	1.9
Target Value (U/gHb)	14.8	14.8	5.2	5.2
Total Error (%)	6.2	6.2	3.8	3.8
TEa (%)	20	20	20	20
σ	>6	>6	>6	>6

Bias (%) = [(| Mean - Target |) / Target] x 100%

TE : Total Error(%) = Bias (%) + 2 × CV (%)

σ (Sigma) = [TEa% - Bias (%)] / CV (%)

Month : 2025 11 Change ; Cumulative : from 2025 11 04 to 2025 11 29 Change

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Control N and Control D SDI
QC Chart

Lot No.: BE0116N ; Duration : 2025-11-04 to 2025-11-29 ; Target : 14.8 ; SD : 0.74 (●)

Lot No.: BE0116D ; Duration : 2025-11-04 to 2025-11-29 ; Target : 5.2 ; SD : 0.41 (□)

Lab018



Month : 2025 11 Change ; Cumulative : from 2025 11 04 to 2025 11 29 Change

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Control N SDI QC Chart

Lot No.: BE0116N ; Duration : 2025-11-04 to 2025-11-29 ; Target : 14.8 ; SD : 0.74

Lab018



Month : 2025 11 Change ; Cumulative : from 2025 11 04 to 2025 11 29 Change

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Control D SDI QC Chart

Lot No.: BE0116D ; Duration : 2025-11-04 to 2025-11-29 ; Target : 5.2 ; SD : 0.41

Lab018



Date 11-04 11-07 11-12 11-14 11-18 11-21 11-25 11-28

Month : 2025 11 Change ; Cumulative : from 2025 11 04 to 2025 11 29 Change

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Peer Group Statistics (Table 1)

Select LotNo : BE0116N (2025-02-12 ~ 2100-12-31) Change

Select Reagent Kit : 5 - Medicon Change

[Print Table 1](#)

Monthly

Month : 2025 11 Change

		Control N (Lot No.: BE0116N)								Control D (Lot No.: BE0116D)							
UnitID ↑	Reagent Kit (Code) ↑	Target (U/gHb)	Mean (U/gHb)	n for Mean	SD	CV (%)	TE (%)	TEa (%)	σ	Target (U/gHb)	Mean (U/gHb)	n for Mean	SD	CV (%)	TE (%)	TEa (%)	σ
Lab018	5	14.8	14.3	8	0.2	1.4	6.2	20	>6	5.2	5.2	8	0.1	1.9	3.8	20	>6
Lab019	5	13.5	13.6	4	0.1	0.7	2.2	20	>6	4.9	4.8	4	0.0	0.0	2.0	20	>6
Total	-	-	14.0	12	0.4	2.9	-	-	-	-	5.0	12	0.2	4.0	-	-	-

Bias (%) = [(| Mean - Target |) / Target] x 100%

TE : Total Error(%) = Bias (%) + 2 × CV (%)

σ (Sigma) = [TEa% - Bias (%)] / CV (%)

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Cumulative

Cumulative : from 2025 04 01 to 2025 11 30 Change

		Control N (Lot No.: BE0116N)								Control D (Lot No.: BE0116D)							
UnitID ↑	Reagent Kit (Code) ↑	Target (U/gHb)	Mean (U/gHb)	n for Mean	SD	CV (%)	TE (%)	TEa (%)	σ	Target (U/gHb)	Mean (U/gHb)	n for Mean	SD	CV (%)	TE (%)	TEa (%)	σ
Lab018	5	14.8	14.3	8	0.2	1.4	6.2	20	>6	5.2	5.2	8	0.1	1.9	3.8	20	>6
Lab019	5	13.5	13.6	14	0.3	2.2	5.2	20	>6	4.9	4.9	14	0.1	2.0	4.1	20	>6
Total	-	-	13.8	22	0.4	2.9	-	-	-	-	5.0	22	0.2	4.0	-	-	-

Bias (%) = [(| Mean - Target |) / Target] x 100%

TE : Total Error(%) = Bias (%) + 2 × CV (%)

σ (Sigma) = [TEa% - Bias (%)] / CV (%)

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Reagent Kit	Reagent Code
Medicon	5

Peer Group Statistics (Table 2)

Select LotNo : BE0116N (2025-02-12 ~ 2100-12-31) Change

Select Reagent Kit : 5 - Medicon Change

Print Table 2

Control N Month vs.
Cumulative

Control N (Lot No.: BE0116N)																	
Month (2025/11)										CUM (2025/04/01~2025/11/30)							
UnitID	Reagent Kit (Code)	Target (U/gHb)	Mean (U/gHb)	n for Mean	SD	CV (%)	TE (%)	TEa (%)	σ	Target (U/gHb)	Mean (U/gHb)	n for Mean	SD	CV (%)	TE (%)	TEa (%)	σ
Lab018	5	14.8	14.3	8	0.2	1.4	6.2	20	>6	14.8	14.3	8	0.2	1.4	6.2	20	>6
Lab019	5	13.5	13.6	4	0.1	0.7	2.2	20	>6	13.5	13.6	14	0.3	2.2	5.2	20	>6
Total	-	-	14.0	12	0.4	2.9	-	-	-	-	13.8	22	0.4	2.9	-	-	-

Bias (%) = [(| Mean - Target |) / Target] x 100%

TE : Total Error(%) = Bias (%) + 2 × CV (%)

σ (Sigma) = [TEa% - Bias (%)] / CV (%)

Month : 2025 11 Change Cumulative : from 2025 04 01 to 2025 11 30 Change

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Control D Month vs.
Cumulative

Control D (Lot No.: BE0116D)																	
Month (2025/11)										CUM (2025/04/01~2025/11/30)							
UnitID	Reagent Kit (Code)	Target (U/gHb)	Mean (U/gHb)	n for Mean	SD	CV (%)	TE (%)	TEa (%)	σ	Target (U/gHb)	Mean (U/gHb)	n for Mean	SD	CV (%)	TE (%)	TEa (%)	σ
Lab018	5	5.2	5.2	8	0.1	1.9	3.8	20	>6	5.2	5.2	8	0.1	1.9	3.8	20	>6
Lab019	5	4.9	4.8	4	0.0	0.0	2.0	20	>6	4.9	4.9	14	0.1	2.0	4.1	20	>6
Total	-	-	5.0	12	0.2	4.0	-	-	-	-	5.0	22	0.2	4.0	-	-	-

Bias (%) = [(| Mean - Target |) / Target] x 100%

TE : Total Error(%) = Bias (%) + 2 × CV (%)

σ (Sigma) = [TEa% - Bias (%)] / CV (%)

Month : 2025 11 Change Cumulative : from 2025 04 01 to 2025 11 30 Change

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Reagent Kit	Reagent Code
Medicon	5