

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

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

Print Table

Lab019

	Control N		Control D	
QC Control Lot No.	BE0116N		BE0116D	
Duration of the Analyzing	Month (2025/10)	CUM (2025/08/20~2025/10/31)	Month (2025/10)	CUM (2025/08/20~2025/10/31)
Runs (N)	5	10	5	10
Mean (U/gHb)	13.7	13.6	4.9	4.9
SD	0.3	0.3	0.1	0.1
CV (%)	2.2	2.2	2.0	2.0
Target Value (U/gHb)	13.5	13.5	4.9	4.9
Total Error (%)	5.9	5.2	4.1	4.1
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 10 Change ; Cumulative : from 2025 08 20 to 2025 10 31 Change

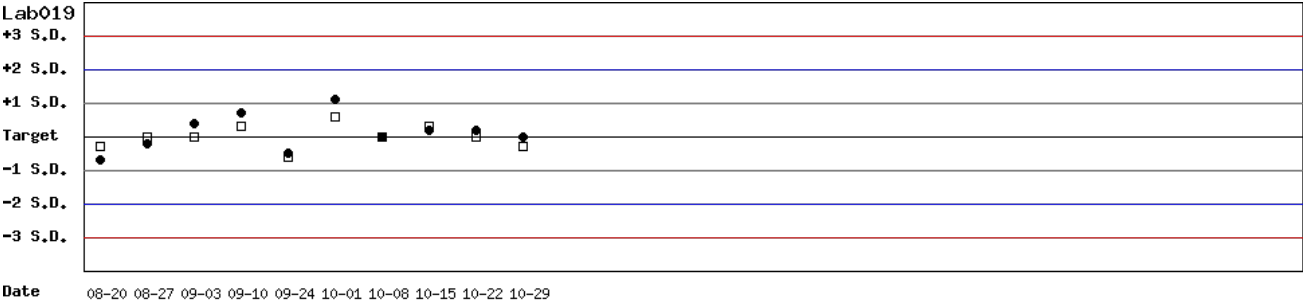
TOP

Control N and Control D SDI
QC Chart

Lot No.: BE0116N ; Duration : 2025-08-20 to 2025-10-31 ; Target : 13.5 ; SD : 0.56 (●)

Lot No.: BE0116D ; Duration : 2025-08-20 to 2025-10-31 ; Target : 4.9 ; SD : 0.32 (□)

Lab019

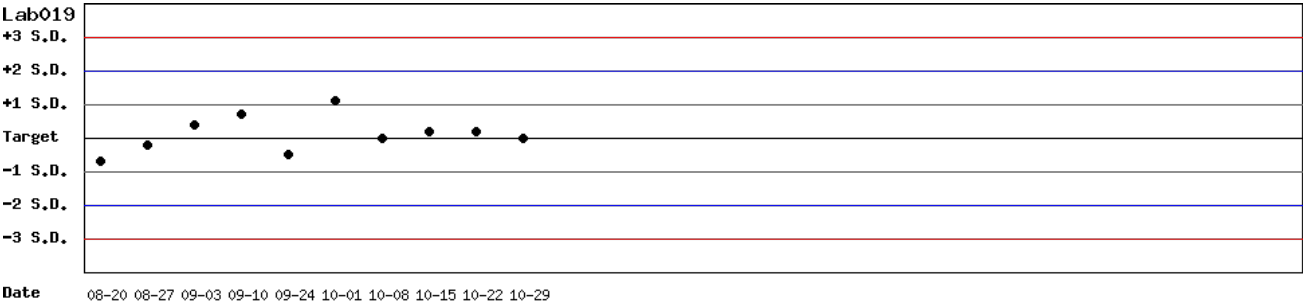


TOP

Control N SDI QC Chart

Lot No.: BE0116N ; Duration : 2025-08-20 to 2025-10-31 ; Target : 13.5 ; SD : 0.56

Lab019

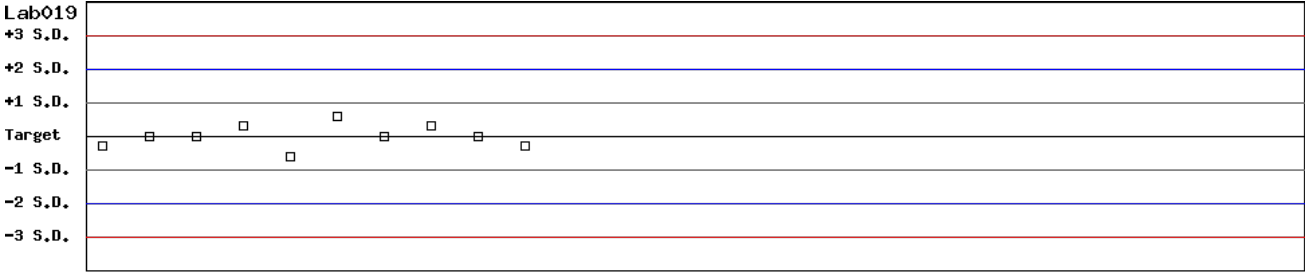


TOP

Control D SDI QC Chart

Lot No.: BE0116D ; Duration : 2025-08-20 to 2025-10-31 ; Target : 4.9 ; SD : 0.32

Lab019



Date 08-20 08-27 09-03 09-10 09-24 10-01 10-08 10-15 10-22 10-29

Month : 2025 10 Change ; Cumulative : from 2025 08 20 to 2025 10 31 Change

[\[TOP\]](#)

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 10 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
Lab019	5	13.5	13.7	5	0.3	2.2	5.9	20	>6		4.9	4.9	5	0.1	2.0	4.1	20	>6
Total	-	-	13.7	5	0.3	2.2	-	-	-		-	4.9	5	0.1	2.0	-	-	-

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

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

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

[\[TOP\]](#)

Cumulative

Cumulative : from 2025 04 01 to 2025 10 31 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
Lab019	5	13.5	13.6	10	0.3	2.2	5.2	20	>6		4.9	4.9	10	0.1	2.0	4.1	20	>6
Total	-	-	13.6	10	0.3	2.2	-	-	-		-	4.9	10	0.1	2.0	-	-	-

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

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

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

[\[TOP\]](#)

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 (2025/10)										CUM (2025/04/01~2025/10/31)							
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
Lab019	5	13.5	13.7	5	0.3	2.2	5.9	20	>6	13.5	13.6	10	0.3	2.2	5.2	20	>6
Total	-	-	13.7	5	0.3	2.2	-	-	-	-	13.6	10	0.3	2.2	-	-	-

Bias (%) = [(| Mean - Target |) / Target] x 100%
TE : Total Error(%) = Bias (%) + 2 × CV (%)
σ (Sigma) = [TEa% - Bias (%)] / CV (%)

Month : 2025 10 Change Cumulative : from 2025 04 01 to 2025 10 31 Change

[TOP](#)

Control D Month vs.
Cumulative

Control D (Lot No.: BE0116D)																	
Month (2025/10)										CUM (2025/04/01~2025/10/31)							
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
Lab019	5	4.9	4.9	5	0.1	2.0	4.1	20	>6	4.9	4.9	10	0.1	2.0	4.1	20	>6
Total	-	-	4.9	5	0.1	2.0	-	-	-	-	4.9	10	0.1	2.0	-	-	-

Bias (%) = [(| Mean - Target |) / Target] x 100%
TE : Total Error(%) = Bias (%) + 2 × CV (%)
σ (Sigma) = [TEa% - Bias (%)] / CV (%)

Month : 2025 10 Change Cumulative : from 2025 04 01 to 2025 10 31 Change

[TOP](#)

Reagent Kit	Reagent Code
Medicon	5