

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 (2025/08)	CUM (2025/08/20~2025/08/30)	Month (2025/08)	CUM (2025/08/20~2025/08/30)
Runs (N)	2	2	2	2
Mean (U/gHb)	13.3	13.3	4.9	4.9
SD	-	-	-	-
CV (%)	-	-	-	-
Target Value (U/gHb)	13.5	13.5	4.9	4.9
Total Error (%)	-	-	-	-
TEa (%)	20	20	20	20
σ	-	-	-	-

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

Month : 2025 08 Change ; Cumulative : from 2025 08 20 to 2025 08 30 Change

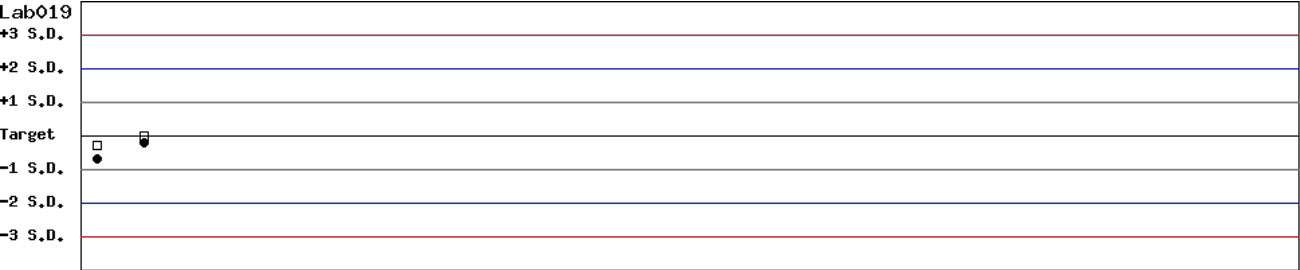
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Control N and Control D SDI
QC Chart

Lot No.: BE0116N ; Duration : 2025-08-20 to 2025-08-30 ; Target : 13.5 ; SD : 0.56 (●)

Lot No.: BE0116D ; Duration : 2025-08-20 to 2025-08-30 ; Target : 4.9 ; SD : 0.32 (□)

Lab019



Date 08-20 08-27

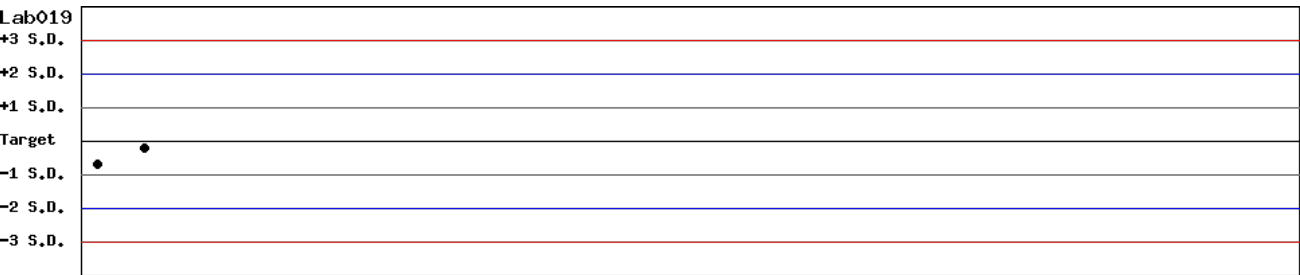
Month : 2025 08 Change ; Cumulative : from 2025 08 20 to 2025 08 30 Change

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Control N SDI QC Chart

Lot No.: BE0116N ; Duration : 2025-08-20 to 2025-08-30 ; Target : 13.5 ; SD : 0.56

Lab019



Date 08-20 08-27

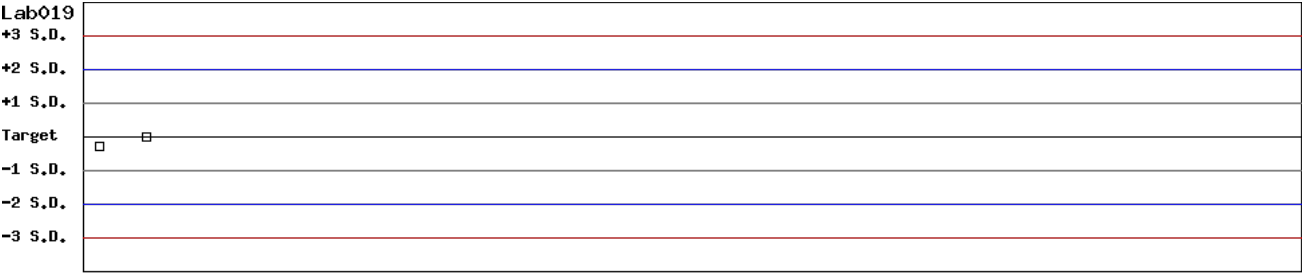
Month : 2025 08 Change ; Cumulative : from 2025 08 20 to 2025 08 30 Change

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Control D SDI QC Chart

Lot No.: BE0116D ; Duration : 2025-08-20 to 2025-08-30 ; Target : 4.9 ; SD : 0.32

Lab019



Date 08-20 08-27

Month : 2025 08 Change ; Cumulative : from 2025 08 20 to 2025 08 30 Change

[TOP](#)

Peer Group Statistics (Table 1)

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

Select Reagent Kit : 5 - Medicon Change

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Monthly

Month : 2025 08 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	13.3	2	-	-	-	20	-	4.9	4.9	2	-	-	-	20	-
Total	-	-	13.3	2	-	-	-	-	-	-	4.9	2	-	-	-	-	-

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

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

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

[\[TOP\]](#)

Cumulative

Cumulative : from 2025 04 01 to 2025 08 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	13.3	2	-	-	-	20	-	4.9	4.9	2	-	-	-	20	-
Total	-	-	13.3	2	-	-	-	-	-	-	4.9	2	-	-	-	-	-

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

TE : Total Error(%) = Bias (%) + 2 x 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 (2025/08)								CUM (2025/04/01~2025/08/31)							
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	13.3	2	-	-	-	20	-	13.5	13.3	2	-	-	-	20	-
Total	-	-	13.3	2	-	-	-	-	-	-	13.3	2	-	-	-	-	-

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

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

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

Month : 2025  08  Change Cumulative : from 2025  04  01  to 2025  08  31  Change

[\[TOP\]](#)

Control D Month vs. Cumulative

		Control D (Lot No.: BE0116D)															
		Month (2025/08)								CUM (2025/04/01~2025/08/31)							
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	2	-	-	-	20	-	4.9	4.9	2	-	-	-	20	-
Total	-	-	4.9	2	-	-	-	-	-	-	4.9	2	-	-	-	-	-

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

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

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

Month : 2025  08  Change Cumulative : from 2025  04  01  to 2025  08  31  Change

[\[TOP\]](#)

Reagent Kit	Reagent Code
Medicon	5