

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

Select LotNo : BA1116N (2022-04-26 ~ 2100-12-31) Change

[Print Table](#)

Lab018

QC Control Lot No.	Control N		Control D	
	BA1116N		BA1116D	
Duration of the Analyzing	Month (2022/06)	CUM (2022/06/02~2022/06/24)	Month (2022/06)	CUM (2022/06/02~2022/06/24)
Runs (N)	19	19	19	19
Mean (U/gHb)	13.5	13.5	4.3	4.3
SD	0.3	0.3	0.1	0.1
CV (%)	2.2	2.2	2.3	2.3
Target Value (U/gHb)	13.6	13.6	4.3	4.3
Total Error (%)	5.2	5.2	4.7	4.7
TEa (%)	20	20	20	20
σ	>6	>6	>6	>6

Bias (%) = $(\frac{| \text{Mean} - \text{Target} |}{\text{Target}}) \times 100\%$
 TE : Total Error(%) = Bias (%) + 2 × CV (%)
 σ (Sigma) = $(\text{TEa}\% - \text{Bias}(\%)) / \text{CV}(\%)$

Month : 2022 06 Change ; Cumulative : from 2022 06 02 to 2022 06 24 Change

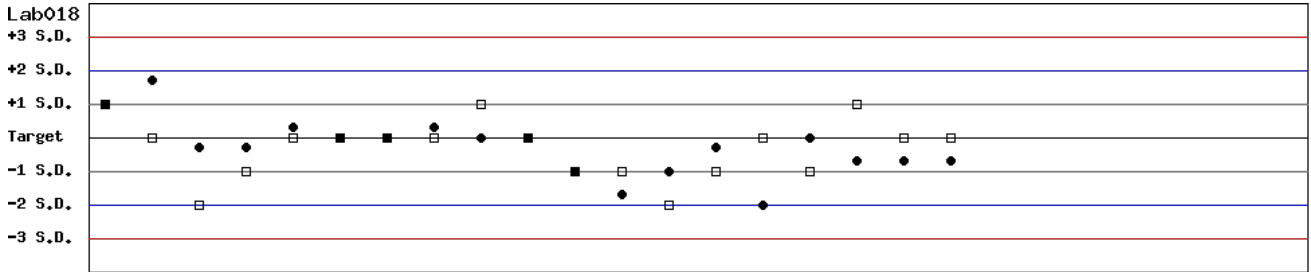
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Control N and Control D SDI QC Chart

Lot No.: BA1116N ; Duration : 2022-06-02 to 2022-06-24 ; Target : 13.6 ; SD : 0.30 (●)

Lot No.: BA1116D ; Duration : 2022-06-02 to 2022-06-24 ; Target : 4.3 ; SD : 0.10 (□)

Lab018



Date 06-02 06-06 06-07 06-10 06-10 06-14 06-14 06-17 06-17 06-17 06-21 06-21 06-21 06-24 06-24 06-24 06-24 06-24 06-24

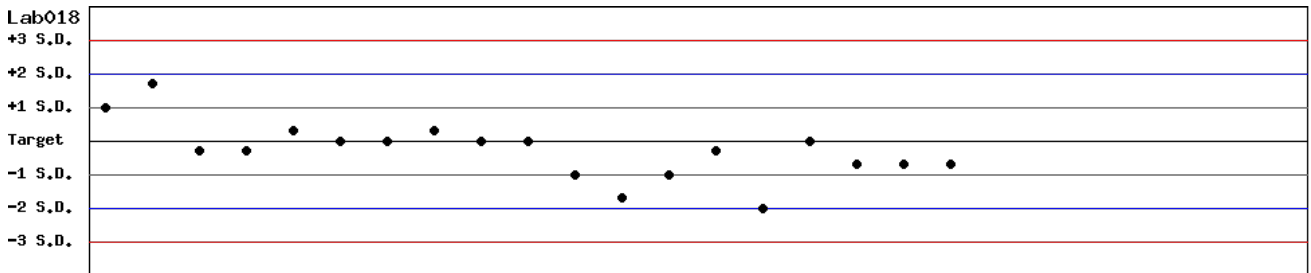
Month : 2022 06 Change ; Cumulative : from 2022 06 02 to 2022 06 24 Change

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Control N SDI QC Chart

Lot No.: BA1116N ; Duration : 2022-06-02 to 2022-06-24 ; Target : 13.6 ; SD : 0.30

Lab018



Date 06-02 06-06 06-07 06-10 06-10 06-14 06-14 06-17 06-17 06-17 06-21 06-21 06-21 06-24 06-24 06-24 06-24 06-24 06-24

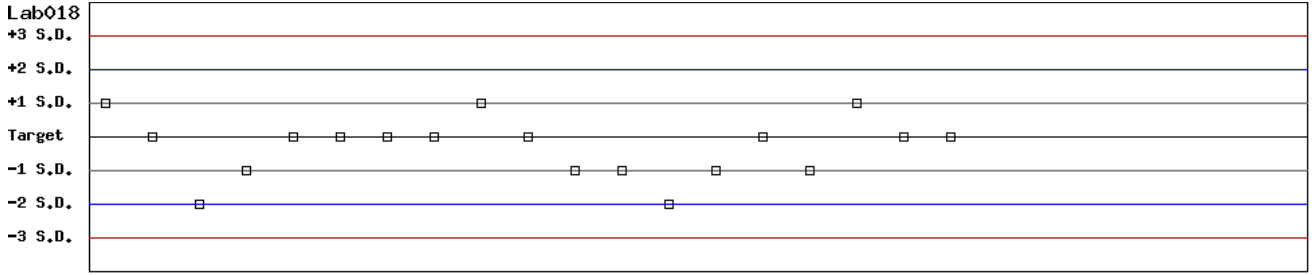
Month : 2022 06 Change ; Cumulative : from 2022 06 02 to 2022 06 24 Change

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Control D SDI QC Chart

Lot No.: BA1116D ; Duration : 2022-06-02 to 2022-06-24 ; Target : 4.3 ; SD : 0.10

Lab018



Date 06-02 06-06 06-07 06-10 06-10 06-14 06-14 06-17 06-17 06-17 06-21 06-21 06-21 06-24 06-24 06-24 06-24 06-24 06-24

Month : 2022 06 Change ; Cumulative : from 2022 06 02 to 2022 06 24 Change

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Peer Group Statistics (Table 1)

Select LotNo : BA1116N (2022-04-26 ~ 2100-12-31)

Select Reagent Kit : 5 - Medicon

Monthly

Month : 2022 06

UnitID <input type="button" value="↑"/>	Reagent Kit (Code) <input type="button" value="↑"/>	Control N (Lot No.: BA1116N)								Control D (Lot No.: BA1116D)							
		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	13.6	13.5	19	0.3	2.2	5.2	20	>6	4.3	4.3	19	0.1	2.3	4.7	20	>6
Lab027	5	12.8	14.2	4	0.9	6.3	23.6	20	1.4	4.2	4.5	4	0.3	6.7	20.5	20	1.9
Total	-	-	13.6	23	0.5	3.7	-	-	-	-	4.3	23	0.2	4.7	-	-	-

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

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

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

[\[TOP\]](#)

Cumulative

Cumulative : from 2022 06 01 to 2022 06 30

UnitID <input type="button" value="↑"/>	Reagent Kit (Code) <input type="button" value="↑"/>	Control N (Lot No.: BA1116N)								Control D (Lot No.: BA1116D)							
		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	13.6	13.5	19	0.3	2.2	5.2	20	>6	4.3	4.3	19	0.1	2.3	4.7	20	>6
Lab027	5	12.8	14.2	4	0.9	6.3	23.6	20	1.4	4.2	4.5	4	0.3	6.7	20.5	20	1.9
Total	-	-	13.6	23	0.5	3.7	-	-	-	-	4.3	23	0.2	4.7	-	-	-

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 : BA1116N (2022-04-26 ~ 2100-12-31) Change

Select Reagent Kit : 5 - Medicon Change

Print Table 2

Control N Month vs. Cumulative

		Control N (Lot No.: BA1116N)															
		Month (2022/06)								CUM (2022/06/01~2022/06/30)							
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	13.6	13.5	19	0.3	2.2	5.2	20	>6	13.6	13.5	19	0.3	2.2	5.2	20	>6
Lab027	5	12.8	14.2	4	0.9	6.3	23.6	20	1.4	12.8	14.2	4	0.9	6.3	23.6	20	1.4
Total	-	-	13.6	23	0.5	3.7	-	-	-	-	13.6	23	0.5	3.7	-	-	-

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

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

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

Month : 2022 ▼ 06 ▼ Change Cumulative : from 2022 ▼ 06 ▼ 01 ▼ to 2022 ▼ 06 ▼ 30 ▼ Change

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Control D Month vs. Cumulative

		Control D (Lot No.: BA1116D)															
		Month (2022/06)								CUM (2022/06/01~2022/06/30)							
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	4.3	4.3	19	0.1	2.3	4.7	20	>6	4.3	4.3	19	0.1	2.3	4.7	20	>6
Lab027	5	4.2	4.5	4	0.3	6.7	20.5	20	1.9	4.2	4.5	4	0.3	6.7	20.5	20	1.9
Total	-	-	4.3	23	0.2	4.7	-	-	-	-	4.3	23	0.2	4.7	-	-	-

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

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

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

Month : 2022 ▼ 06 ▼ Change Cumulative : from 2022 ▼ 06 ▼ 01 ▼ to 2022 ▼ 06 ▼ 30 ▼ Change

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Reagent Kit	Reagent Code
Medicon	5