

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

Select LotNo :

Lab018

QC Control Lot No.	Control N		Control D	
	BA1116N		BA1116D	
Duration of the Analyzing	Month (2022/10)	CUM (2022/07/20~2022/10/28)	Month (2022/10)	CUM (2022/07/20~2022/10/28)
Runs (N)	7	26	7	26
Mean (U/gHb)	13.5	13.6	4.4	4.4
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	4.4	6.9	6.9
TEa (%)	20	20	20	20
σ	>6	>6	>6	>6

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

Month : ; Cumulative : from to

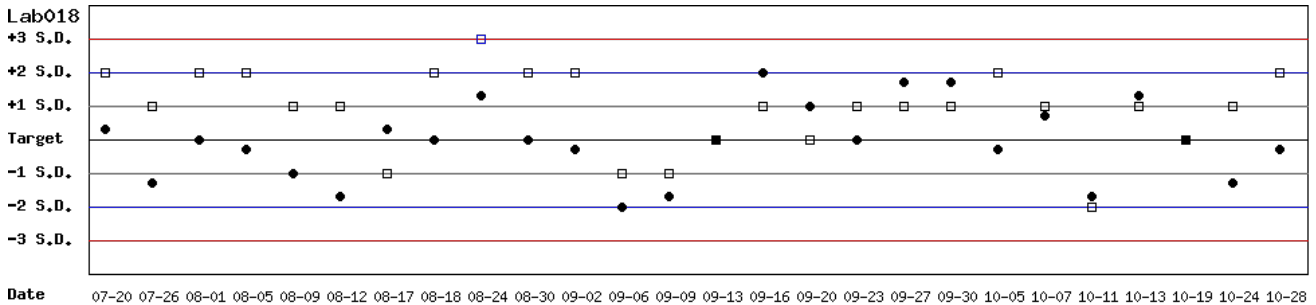
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Control N and Control D SDI QC Chart

Lot No.: BA1116N ; Duration : 2022-07-20 to 2022-10-28 ; Target : 13.6 ; SD : 0.30 (●)

Lot No.: BA1116D ; Duration : 2022-07-20 to 2022-10-28 ; Target : 4.3 ; SD : 0.10 (□)

Lab018



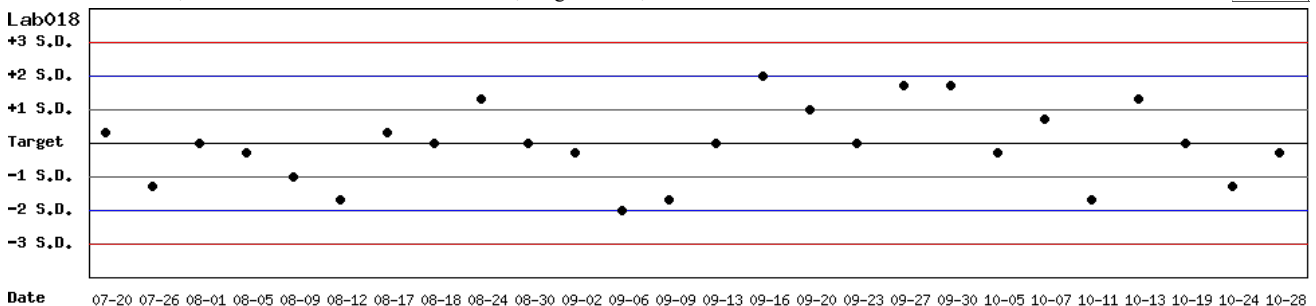
Month : ; Cumulative : from to

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Control N SDI QC Chart

Lot No.: BA1116N ; Duration : 2022-07-20 to 2022-10-28 ; Target : 13.6 ; SD : 0.30

Lab018



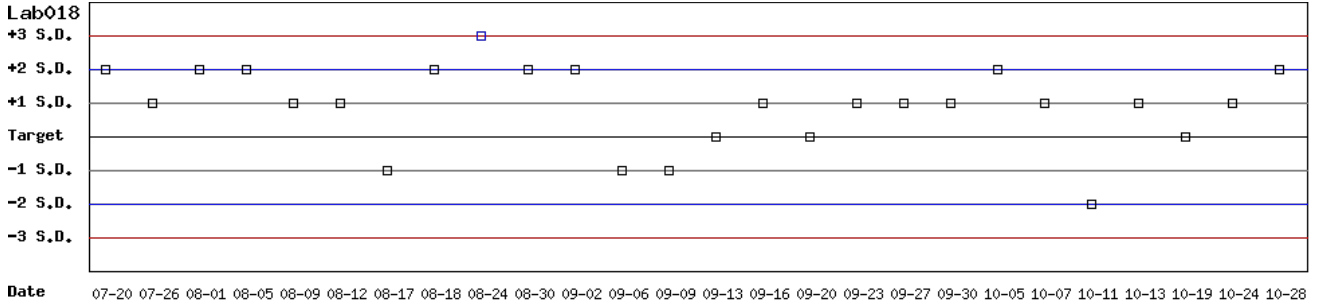
Month : ; Cumulative : from to

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Control D SDI QC Chart

Lot No.: BA1116D ; Duration : 2022-07-20 to 2022-10-28 ; Target : 4.3 ; SD : 0.10

Lab018



Month : ; Cumulative : from to

[TOP](#)

Peer Group Statistics (Table 1)

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

Select Reagent Kit : 5 - Medicon

Monthly

Month : 2022 10

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	7	0.3	2.2	5.2	20	>6	4.3	4.4	7	0.1	2.3	6.9	20	>6
Lab027	5	12.8	15.7	4	0.5	3.2	29.0	20	-0.8	4.2	5.0	4	0.3	6.0	31.0	20	0.2
Total	-	-	14.3	11	1.2	8.4	-	-	-	-	4.6	11	0.4	8.7	-	-	-

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 10 31

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	13.6	48	0.3	2.2	4.4	20	>6	4.3	4.3	48	0.1	2.3	4.7	20	>6
Lab027	5	12.8	14.9	22	0.7	4.7	25.8	20	0.8	4.2	4.8	22	0.4	8.3	31.0	20	0.7
Total	-	-	14.0	70	0.8	5.7	-	-	-	-	4.5	70	0.3	6.7	-	-	-

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 : 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 (2022/10)								CUM (2022/06/01~2022/10/31)							
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
Lab018	5	13.6	13.5	7	0.3	2.2	5.2	20	>6	13.6	13.6	48	0.3	2.2	4.4	20	>6
Lab027	5	12.8	15.7	4	0.5	3.2	29.0	20	-0.8	12.8	14.9	22	0.7	4.7	25.8	20	0.8
Total	-	-	14.3	11	1.2	8.4	-	-	-	-	14.0	70	0.8	5.7	-	-	-

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

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

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

Month : 2022 ▼ 10 ▼ Change Cumulative : from 2022 ▼ 06 ▼ 01 ▼ to 2022 ▼ 10 ▼ 31 ▼ Change

[TOP](#)

Control D Month vs. Cumulative

		Control D (Lot No.: BA1116D)															
		Month (2022/10)								CUM (2022/06/01~2022/10/31)							
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
Lab018	5	4.3	4.4	7	0.1	2.3	6.9	20	>6	4.3	4.3	48	0.1	2.3	4.7	20	>6
Lab027	5	4.2	5.0	4	0.3	6.0	31.0	20	0.2	4.2	4.8	22	0.4	8.3	31.0	20	0.7
Total	-	-	4.6	11	0.4	8.7	-	-	-	-	4.5	70	0.3	6.7	-	-	-

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

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

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

Month : 2022 ▼ 10 ▼ Change Cumulative : from 2022 ▼ 06 ▼ 01 ▼ to 2022 ▼ 10 ▼ 31 ▼ Change

[TOP](#)

Reagent Kit	Reagent Code
Medicon	5