

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 (2023/08)	CUM (2023/06/02~2023/08/31)	Month (2023/08)	CUM (2023/06/02~2023/08/31)
Runs (N)	9	26	9	26
Mean (U/gHb)	14.1	14.1	4.4	4.4
SD	0.1	0.2	0.1	0.1
CV (%)	0.7	1.4	2.3	2.3
Target Value (U/gHb)	13.6	13.6	4.3	4.3
Total Error (%)	5.1	6.5	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 : 2023 08 Change ; Cumulative : from 2023 06 02 to 2023 08 31 Change

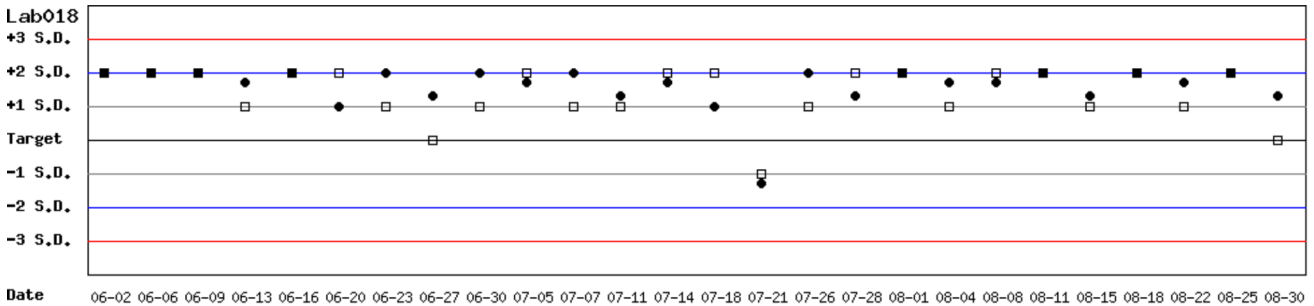
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Control N and Control D SDI QC Chart

Lot No.: BA1116N ; Duration : 2023-06-02 to 2023-08-31 ; Target : 13.6 ; SD : 0.30 (●)

Lot No.: BA1116D ; Duration : 2023-06-02 to 2023-08-31 ; Target : 4.3 ; SD : 0.10 (□)

Lab018



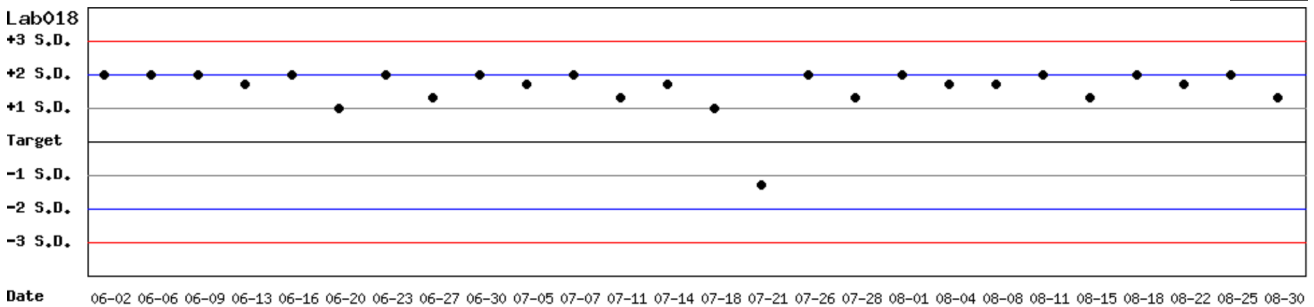
Month : 2023 08 Change ; Cumulative : from 2023 06 02 to 2023 08 31 Change

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Control N SDI QC Chart

Lot No.: BA1116N ; Duration : 2023-06-02 to 2023-08-31 ; Target : 13.6 ; SD : 0.30

Lab018



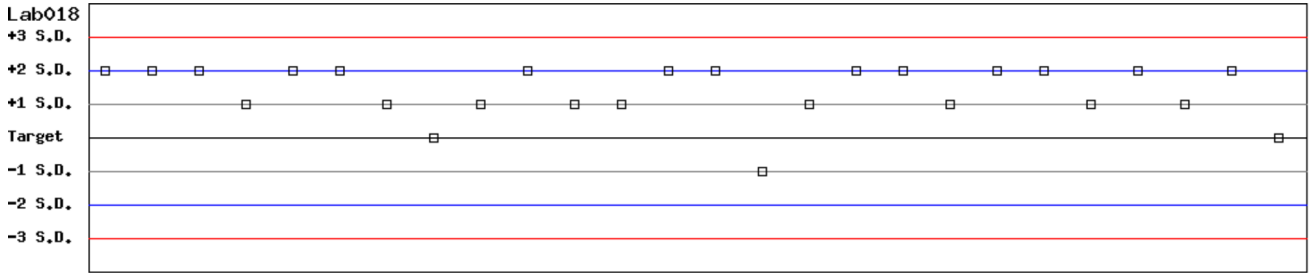
Month : 2023 08 Change ; Cumulative : from 2023 06 02 to 2023 08 31 Change

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Control D SDI QC Chart

Lot No.: BA1116D ; Duration : 2023-06-02 to 2023-08-31 ; Target : 4.3 ; SD : 0.10

Lab018



Date 06-02 06-06 06-09 06-13 06-16 06-20 06-23 06-27 06-30 07-05 07-07 07-11 07-14 07-18 07-21 07-26 07-28 08-01 08-04 08-08 08-11 08-15 08-18 08-22 08-25 08-30

Month : 2023 08 Change ; Cumulative : from 2023 06 02 to 2023 08 31 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 : 2023 08

		Control N (Lot No.: BA1116N)								Control D (Lot No.: BA1116D)							
UnitID <input type="button" value="↑"/>	Reagent Kit (Code) <input type="button" value="↑"/>	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	14.1	9	0.1	0.7	5.1	20	>6	4.3	4.4	9	0.1	2.3	6.9	20	>6
Lab033	5	12.8	16.7	5	0.3	1.8	34.1	20	-5.8	4.2	5.1	5	0.2	3.9	29.3	20	-0.4
Lab037	5	12.8	13.8	1	-	-	-	20	-	4.2	4.6	1	-	-	-	20	-
Total	-	-	15.0	15	1.3	8.7	-	-	-	-	4.7	15	0.3	6.4	-	-	-

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

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

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

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Cumulative

Cumulative : from 2022 06 01 to 2023 08 31

		Control N (Lot No.: BA1116N)								Control D (Lot No.: BA1116D)							
UnitID <input type="button" value="↑"/>	Reagent Kit (Code) <input type="button" value="↑"/>	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	13.8	104	0.4	2.9	7.3	20	>6	4.3	4.4	104	0.1	2.3	6.9	20	>6
Lab027	5	12.8	14.9	55	0.8	5.4	27.1	20	0.7	4.2	4.8	55	0.3	6.3	26.8	20	0.9
Lab033	5	12.8	16.7	5	0.3	1.8	34.1	20	-5.8	4.2	5.1	5	0.2	3.9	29.3	20	-0.4
Lab037	5	12.8	13.7	2	-	-	-	20	-	4.2	4.5	2	-	-	-	20	-
Total	-	-	14.2	166	0.9	6.3	-	-	-	-	4.6	166	0.3	6.5	-	-	-

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 (2023/08)								CUM (2022/06/01~2023/08/31)							
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
Lab018	5	13.6	14.1	9	0.1	0.7	5.1	20	>6	13.6	13.8	104	0.4	2.9	7.3	20	>6
Lab027	5	12.8	-	0	-	-	-	20	-	12.8	14.9	55	0.8	5.4	27.1	20	0.7
Lab033	5	12.8	16.7	5	0.3	1.8	34.1	20	-5.8	12.8	16.7	5	0.3	1.8	34.1	20	-5.8
Lab037	5	12.8	13.8	1	-	-	-	20	-	12.8	13.7	2	-	-	-	20	-
Total	-	-	15.0	15	1.3	8.7	-	-	-	-	14.2	166	0.9	6.3	-	-	-

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

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

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

Month : 2023 ▼ 08 ▼ Change Cumulative : from 2022 ▼ 06 ▼ 01 ▼ to 2023 ▼ 08 ▼ 31 ▼ Change

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Control D Month vs. Cumulative

		Control D (Lot No.: BA1116D)															
		Month (2023/08)								CUM (2022/06/01~2023/08/31)							
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
Lab018	5	4.3	4.4	9	0.1	2.3	6.9	20	>6	4.3	4.4	104	0.1	2.3	6.9	20	>6
Lab027	5	4.2	-	0	-	-	-	20	-	4.2	4.8	55	0.3	6.3	26.8	20	0.9
Lab033	5	4.2	5.1	5	0.2	3.9	29.3	20	-0.4	4.2	5.1	5	0.2	3.9	29.3	20	-0.4
Lab037	5	4.2	4.6	1	-	-	-	20	-	4.2	4.5	2	-	-	-	20	-
Total	-	-	4.7	15	0.3	6.4	-	-	-	-	4.6	166	0.3	6.5	-	-	-

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

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

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

Month : 2023 ▼ 08 ▼ Change Cumulative : from 2022 ▼ 06 ▼ 01 ▼ to 2023 ▼ 08 ▼ 31 ▼ Change

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Reagent Kit	Reagent Code
Medicon	5