

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

Select LotNo : BJ0922N (2021-01-01 ~ 2100-12-31) Change

[Print Table](#)

Lab032

QC Control Lot No.	Control N		Control D	
	BJ0922N		BJ0922D	
Duration of the Analyzing	Month (2021/08)	CUM (2021/08/03~2021/08/31)	Month (2021/08)	CUM (2021/08/03~2021/08/31)
Runs (N)	9	9	9	9
Mean (U/gHb)	14.1	14.1	4.5	4.5
SD	0.3	0.3	0.1	0.1
CV (%)	2.1	2.1	2.2	2.2
Target Value (U/gHb)	15.0	15.0	4.7	4.7
Total Error (%)	10.3	10.3	8.7	8.7
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 : 2021 08 Change ; Cumulative : from 2021 08 03 to 2021 08 31 Change

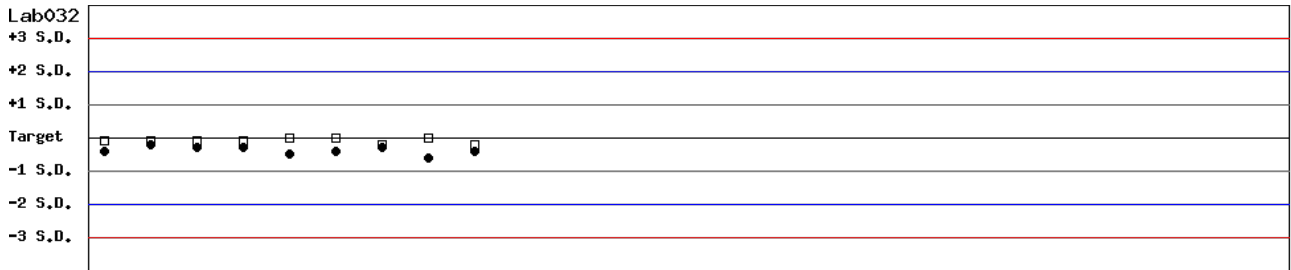
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Control N and Control D SDI QC Chart

Lot No.: BJ0922N ; Duration : 2021-08-03 to 2021-08-31 ; Target : 15.0 ; SD : 2.40 (●)

Lot No.: BJ0922D ; Duration : 2021-08-03 to 2021-08-31 ; Target : 4.7 ; SD : 2.30 (□)

Lab032



Date 08-03 08-05 08-10 08-12 08-17 08-19 08-24 08-26 08-31

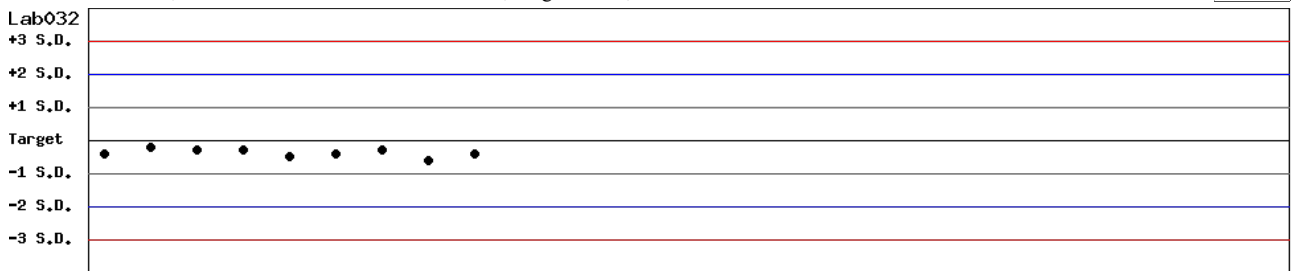
Month : 2021 08 Change ; Cumulative : from 2021 08 03 to 2021 08 31 Change

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Control N SDI QC Chart

Lot No.: BJ0922N ; Duration : 2021-08-03 to 2021-08-31 ; Target : 15.0 ; SD : 2.40

Lab032



Date 08-03 08-05 08-10 08-12 08-17 08-19 08-24 08-26 08-31

Month : 2021 08 Change ; Cumulative : from 2021 08 03 to 2021 08 31 Change

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Control D SDI QC Chart

Lot No.: BJ0922D ; Duration : 2021-08-03 to 2021-08-31 ; Target : 4.7 ; SD : 2.30

Lab032



Date 08-03 08-05 08-10 08-12 08-17 08-19 08-24 08-26 08-31

Month : 2021 ▾ 08 ▾ Change ; Cumulative : from 2021 ▾ 08 ▾ 03 ▾ to 2021 ▾ 08 ▾ 31 ▾ Change

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Peer Group Statistics (Table 1)

Select LotNo : BJ0922N (2021-01-01 ~ 2100-12-31)

Select Reagent Kit : 5 - Medicon

Monthly

Month : 2021

UnitID <input type="button" value="↑"/>	Reagent Kit (Code) <input type="button" value="↑"/>	Control N (Lot No.: BJ0922N)								Control D (Lot No.: BJ0922D)							
		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
Lab028	5	13.8	15.2	1	-	-	-	20	-	4.7	4.7	1	-	-	-	20	-
Lab032	5	15.0	14.1	9	0.3	2.1	10.3	20	>6	4.7	4.5	9	0.1	2.2	8.7	20	>6
Lab037	5	13.8	15.2	1	-	-	-	20	-	4.7	4.6	1	-	-	-	20	-
Lab049	5	13.8	14.8	6	0.7	4.7	16.7	20	2.7	4.7	4.7	6	0.1	2.1	4.3	20	>6
Total	-	-	14.5	17	0.6	4.1	-	-	-	-	4.6	17	0.2	4.3	-	-	-

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

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

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

[\[TOP\]](#)

Cumulative

Cumulative : from 2021 to 2021

UnitID <input type="button" value="↑"/>	Reagent Kit (Code) <input type="button" value="↑"/>	Control N (Lot No.: BJ0922N)								Control D (Lot No.: BJ0922D)							
		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
Lab028	5	13.8	15.2	1	-	-	-	20	-	4.7	4.7	1	-	-	-	20	-
Lab032	5	15.0	14.1	9	0.3	2.1	10.3	20	>6	4.7	4.5	9	0.1	2.2	8.7	20	>6
Lab037	5	13.8	15.1	4	0.5	3.3	16.0	20	3.2	4.7	4.8	4	0.1	2.1	6.3	20	>6
Lab049	5	13.8	15.1	14	0.6	4.0	17.4	20	2.6	4.7	4.8	14	0.2	4.2	10.5	20	4.3
Total	-	-	14.8	28	0.7	4.7	-	-	-	-	4.7	28	0.2	4.3	-	-	-

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 : BJ0922N (2021-01-01 ~ 2100-12-31) ▾ Change

Select Reagent Kit : 5 - Medicon ▾ Change

[Print Table 2](#)

Control N Month vs. Cumulative

		Control N (Lot No.: BJ0922N)															
		Month (2021/08)								CUM (2021/01/01~2021/08/31)							
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
Lab028	5	13.8	15.2	1	-	-	-	20	-	13.8	15.2	1	-	-	-	20	-
Lab032	5	15.0	14.1	9	0.3	2.1	10.3	20	>6	15.0	14.1	9	0.3	2.1	10.3	20	>6
Lab037	5	13.8	15.2	1	-	-	-	20	-	13.8	15.1	4	0.5	3.3	16.0	20	3.2
Lab049	5	13.8	14.8	6	0.7	4.7	16.7	20	2.7	13.8	15.1	14	0.6	4.0	17.4	20	2.6
Total	-	-	14.5	17	0.6	4.1	-	-	-	-	14.8	28	0.7	4.7	-	-	-

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

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

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

Month : 2021 ▾ 08 ▾ Change Cumulative : from 2021 ▾ 01 ▾ 01 ▾ to 2021 ▾ 08 ▾ 31 ▾ Change

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Control D Month vs. Cumulative

		Control D (Lot No.: BJ0922D)															
		Month (2021/08)								CUM (2021/01/01~2021/08/31)							
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
Lab028	5	4.7	4.7	1	-	-	-	20	-	4.7	4.7	1	-	-	-	20	-
Lab032	5	4.7	4.5	9	0.1	2.2	8.7	20	>6	4.7	4.5	9	0.1	2.2	8.7	20	>6
Lab037	5	4.7	4.6	1	-	-	-	20	-	4.7	4.8	4	0.1	2.1	6.3	20	>6
Lab049	5	4.7	4.7	6	0.1	2.1	4.3	20	>6	4.7	4.8	14	0.2	4.2	10.5	20	4.3
Total	-	-	4.6	17	0.2	4.3	-	-	-	-	4.7	28	0.2	4.3	-	-	-

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

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

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

Month : 2021 ▾ 08 ▾ Change Cumulative : from 2021 ▾ 01 ▾ 01 ▾ to 2021 ▾ 08 ▾ 31 ▾ Change

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Reagent Kit	Reagent Code
Medicon	5