

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

Select LotNo : AH1220N (2019-01-28 ~ 2100-12-31) [Change](#)

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Lab020

QC Control Lot No.	Control N		Control D	
	AH1220N		AH1220D	
Duration of the Analyzing	Month (2019/06)	CUM (2019/02/01~2019/06/30)	Month (2019/06)	CUM (2019/02/01~2019/06/30)
Runs (N)	1	1	1	1
Mean (U/gHb)	15.9	15.9	4.6	4.6
SD	-	-	-	-
CV (%)	-	-	-	-
Target Value (U/gHb)	15.9	15.9	5.2	5.2
Total Error (%)	-	-	-	-
TEa (%)	20	20	20	20
σ	-	-	-	-

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

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

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

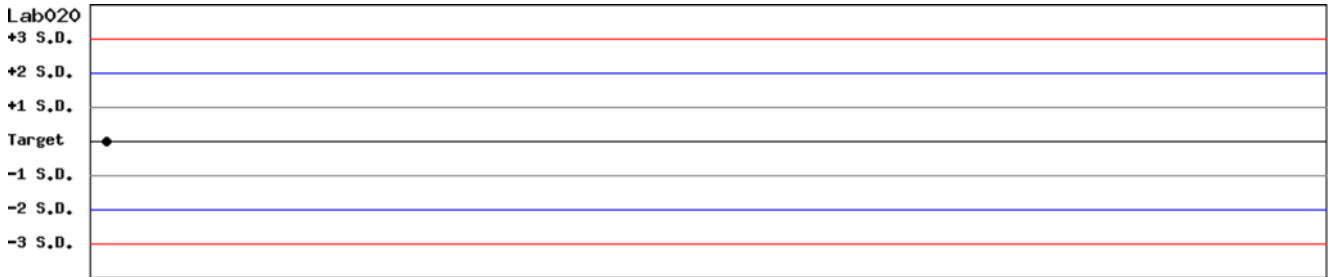
Month : 2019 06 [Change](#) ; Cumulative : from 2019 02 01 to 2019 06 30 [Change](#)

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Control N SDI QC Chart

Lot No.: AH1220N ; Duration : 2019-02-01 to 2019-06-30 ; Target : 15.9 ; SD : 0.70

Lab020



Date 06-18

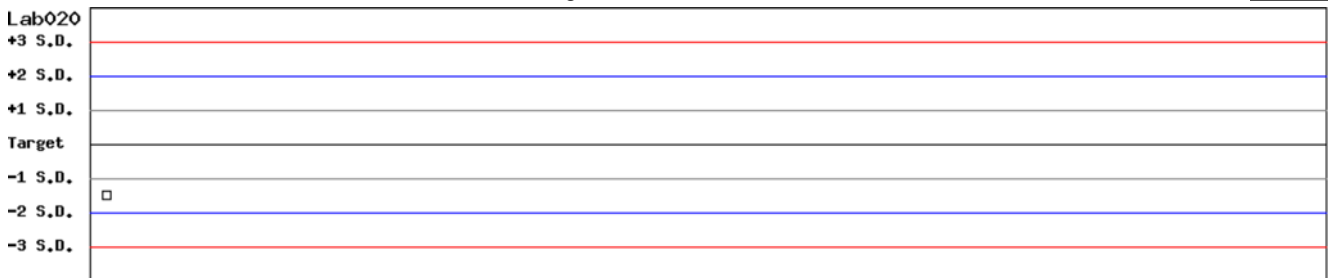
Month : 2019 06 [Change](#) ; Cumulative : from 2019 02 01 to 2019 06 30 [Change](#)

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Control D SDI QC Chart

Lot No.: AH1220D ; Duration : 2019-02-01 to 2019-06-30 ; Target : 5.2 ; SD : 0.40

Lab020



Date 06-18

Month : 2019 06 [Change](#) ; Cumulative : from 2019 02 01 to 2019 06 30 [Change](#)

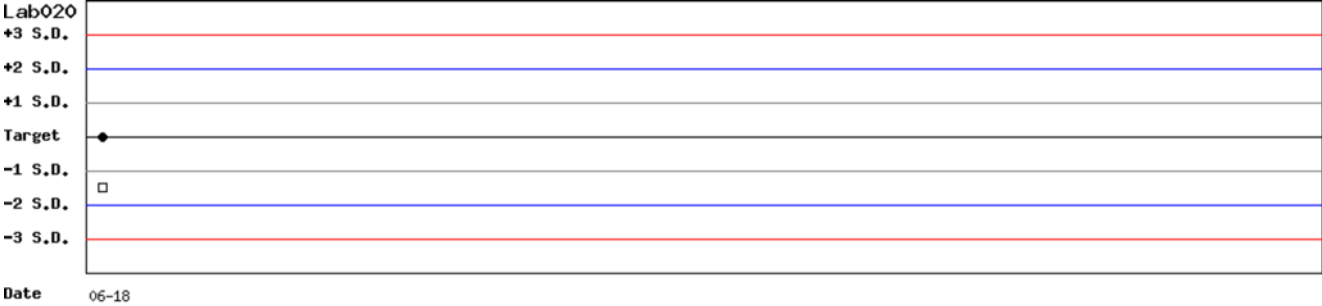
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**Control N and Control D SDI
QC Chart**

Lot No.: AH1220N ; Duration : 2019-02-01 to 2019-06-30 ; Target : 15.9 ; SD : 0.70 (●)

Lot No.: AH1220D ; Duration : 2019-02-01 to 2019-06-30 ; Target : 5.2 ; SD : 0.40 (□)

Lab020



Month : 2019 | 06 | Change ; Cumulative : from 2019 | 02 | 01 to 2019 | 06 | 30 | Change

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Peer Group Statistics (Table 1)

Select LotNo : AH1220N (2019-01-28 ~ 2100-12-31)

Select Reagent Kit : 5 - Medicon

Monthly

Month : 2019 06

UnitID <input type="button" value="↑"/>	Reagent Kit (Code) <input type="button" value="↑"/>	Control N (Lot No.: AH1220N)								Control D (Lot No.: AH1220D)							
		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
Lab020	5	15.9	15.9	1	-	-	-	20	-	5.2	4.6	1	-	-	-	20	-
Lab022	5	12.4	12.7	3	0.1	0.8	4.0	20	>6	4.1	4.1	3	0.2	4.9	9.8	20	4.1
Lab032	5	15.3	14.1	4	0.3	2.1	12.1	20	5.8	5.2	5.1	4	0.6	11.8	25.5	20	1.5
Lab033	5	15.3	12.1	4	0.2	1.7	24.2	20	-0.5	5.2	3.9	4	0.1	2.6	30.1	20	-1.9
Total	-	-	13.2	12	1.2	9.1	-	-	-	-	4.4	12	0.7	15.9	-	-	-

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

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

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

[\[TOP\]](#)

Cumulative

Cumulative : from 2019 02 01 to 2019 06 30

UnitID <input type="button" value="↑"/>	Reagent Kit (Code) <input type="button" value="↑"/>	Control N (Lot No.: AH1220N)								Control D (Lot No.: AH1220D)							
		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
Lab020	5	15.9	15.9	1	-	-	-	20	-	5.2	4.6	1	-	-	-	20	-
Lab022	5	12.4	12.5	7	0.4	3.2	7.2	20	6.0	4.1	4.1	7	0.1	2.4	4.9	20	>6
Lab032	5	15.3	14.1	4	0.3	2.1	12.1	20	5.8	5.2	5.1	4	0.6	11.8	25.5	20	1.5
Lab033	5	15.3	12.5	12	0.5	4.0	26.3	20	0.4	5.2	3.9	12	0.1	2.6	30.1	20	-1.9
Total	-	-	12.9	24	1.0	7.8	-	-	-	-	4.2	24	0.5	11.9	-	-	-

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 : AH1220N (2019-01-28 ~ 2100-12-31) ▼ Change

Select Reagent Kit : 5 - Medicon ▼ Change

Print Table 2

Control N Month vs. Cumulative

		Control N (Lot No.: AH1220N)															
		Month (2019/06)								CUM (2019/02/01~2019/06/30)							
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
Lab020	5	15.9	15.9	1	-	-	-	20	-	15.9	15.9	1	-	-	-	20	-
Lab022	5	12.4	12.7	3	0.1	0.8	4.0	20	>6	12.4	12.5	7	0.4	3.2	7.2	20	6.0
Lab032	5	15.3	14.1	4	0.3	2.1	12.1	20	5.8	15.3	14.1	4	0.3	2.1	12.1	20	5.8
Lab033	5	15.3	12.1	4	0.2	1.7	24.2	20	-0.5	15.3	12.5	12	0.5	4.0	26.3	20	0.4
Total	-	-	13.2	12	1.2	9.1	-	-	-	-	12.9	24	1.0	7.8	-	-	-

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

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

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

Month : 2019 ▼ 06 ▼ Change Cumulative : from 2019 ▼ 02 ▼ 01 ▼ to 2019 ▼ 06 ▼ 30 ▼ Change

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Control D Month vs. Cumulative

		Control D (Lot No.: AH1220D)															
		Month (2019/06)								CUM (2019/02/01~2019/06/30)							
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
Lab020	5	5.2	4.6	1	-	-	-	20	-	5.2	4.6	1	-	-	-	20	-
Lab022	5	4.1	4.1	3	0.2	4.9	9.8	20	4.1	4.1	4.1	7	0.1	2.4	4.9	20	>6
Lab032	5	5.2	5.1	4	0.6	11.8	25.5	20	1.5	5.2	5.1	4	0.6	11.8	25.5	20	1.5
Lab033	5	5.2	3.9	4	0.1	2.6	30.1	20	-1.9	5.2	3.9	12	0.1	2.6	30.1	20	-1.9
Total	-	-	4.4	12	0.7	15.9	-	-	-	-	4.2	24	0.5	11.9	-	-	-

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

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

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

Month : 2019 ▼ 06 ▼ Change Cumulative : from 2019 ▼ 02 ▼ 01 ▼ to 2019 ▼ 06 ▼ 30 ▼ Change

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Reagent Kit	Reagent Code
Medicon	5