

# 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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## Lab033

QC Control Lot No.	Control N		Control D	
	AH1220N		AH1220D	
Duration of the Analyzing	Month (2019/11)	CUM (2019/06/01~2019/11/30)	Month (2019/11)	CUM (2019/06/01~2019/11/30)
Runs (N)	4	26	4	26
Mean (U/gHb)	12.6	12.5	3.8	3.8
SD	0.4	0.4	0.1	0.1
CV (%)	3.2	3.2	2.6	2.6
Target Value (U/gHb)	12.4	12.4	3.9	3.9
Total Error (%)	8.0	7.2	7.8	7.8
TEa (%)	20	20	20	20
$\sigma$	5.7	6.0	>6	>6

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

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

$\sigma$  (Sigma) = [TEa% - Bias (%) ] / CV (%)

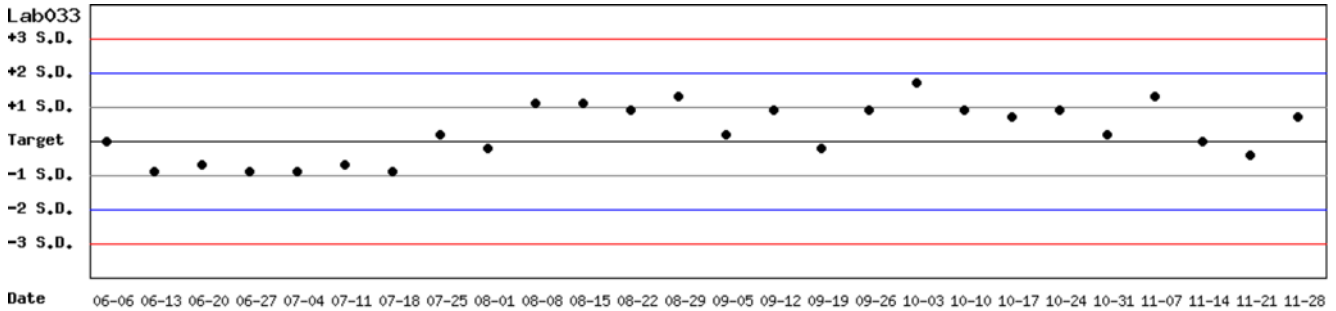
Month : 2019 11 [Change](#) ; Cumulative : from 2019 06 01 to 2019 11 30 [Change](#)

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## Control N SDI QC Chart

Lot No.: AH1220N ; Duration : 2019-06-01 to 2019-11-30 ; Target : 12.4 ; SD : 0.46

Lab033



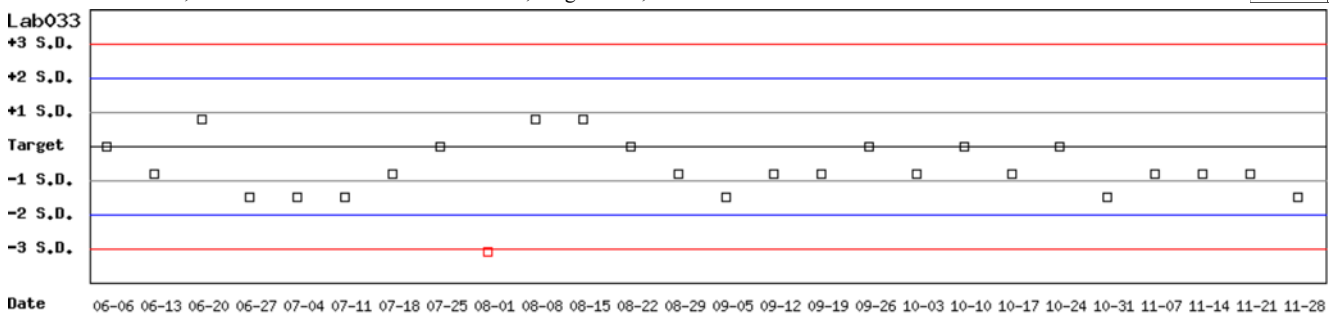
Month : 2019 11 [Change](#) ; Cumulative : from 2019 06 01 to 2019 11 30 [Change](#)

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## Control D SDI QC Chart

Lot No.: AH1220D ; Duration : 2019-06-01 to 2019-11-30 ; Target : 3.9 ; SD : 0.13

Lab033



Month : 2019 11 [Change](#) ; Cumulative : from 2019 06 01 to 2019 11 30 [Change](#)

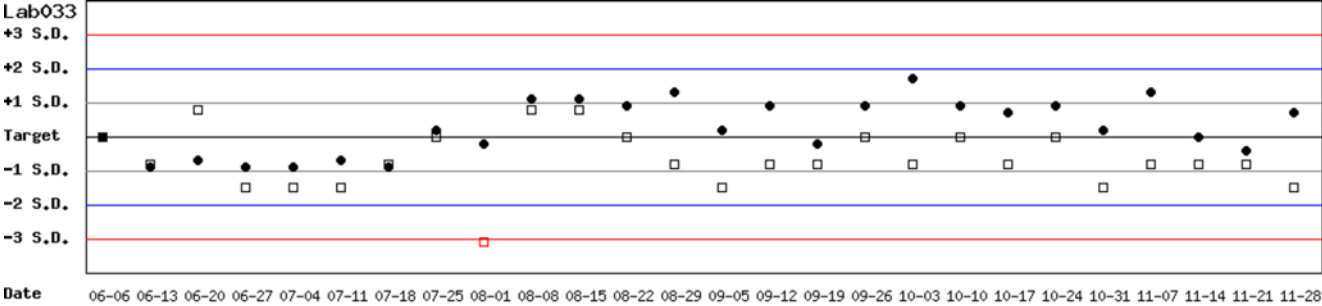
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## Control N and Control D SDI QC Chart

Lot No.: AH1220N ; Duration : 2019-06-01 to 2019-11-30 ; Target : 12.4 ; SD : 0.46 (●)

Lot No.: AH1220D ; Duration : 2019-06-01 to 2019-11-30 ; Target : 3.9 ; SD : 0.13 (□)

Lab033



Month : 2019 | 11 |  ; Cumulative : from 2019 | 06 | 01 to 2019 | 11 | 30 |

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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  11

		Control N (Lot No.: AH1220N)									Control D (Lot No.: AH1220D)						
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
<a href="#">Lab022</a>	5	12.4	12.3	4	0.3	2.4	5.7	20	>6	4.1	3.9	4	0.2	5.1	15.1	20	3.0
<a href="#">Lab033</a>	5	12.4	12.6	4	0.4	3.2	8.0	20	5.7	3.9	3.8	4	0.1	2.6	7.8	20	>6
Total	-	-	12.5	8	0.3	2.4	-	-	-	-	3.9	8	0.2	5.1	-	-	-

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

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

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

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## Cumulative

Cumulative : from 2019  02  01  to 2019  11  30

		Control N (Lot No.: AH1220N)									Control D (Lot No.: AH1220D)						
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
<a href="#">Lab020</a>	5	15.9	15.3	16	0.6	3.9	11.6	20	4.2	5.2	4.7	16	0.2	4.3	18.1	20	2.4
<a href="#">Lab022</a>	5	12.4	12.4	29	0.3	2.4	4.8	20	>6	4.1	4.0	29	0.1	2.5	7.4	20	>6
<a href="#">Lab032</a>	5	15.3	14.5	29	0.5	3.4	12.1	20	4.3	5.2	4.6	29	0.5	10.9	33.3	20	0.8
<a href="#">Lab033</a>	5	12.4	12.6	34	0.4	3.2	8.0	20	5.7	3.9	3.8	34	0.1	2.6	7.8	20	>6
Total	-	-	13.4	108	1.2	9.0	-	-	-	-	4.2	108	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

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### Control N Month vs. Cumulative

		Control N (Lot No.: AH1220N)															
		Month (2019/11)								CUM (2019/02/01~2019/11/30)							
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
<a href="#">Lab020</a>	5	15.9	-	0	-	-	-	20	-	15.9	15.3	16	0.6	3.9	11.6	20	4.2
<a href="#">Lab022</a>	5	12.4	12.3	4	0.3	2.4	5.7	20	>6	12.4	12.4	29	0.3	2.4	4.8	20	>6
<a href="#">Lab032</a>	5	15.3	-	0	-	-	-	20	-	15.3	14.5	29	0.5	3.4	12.1	20	4.3
<a href="#">Lab033</a>	5	12.4	12.6	4	0.4	3.2	8.0	20	5.7	12.4	12.6	34	0.4	3.2	8.0	20	5.7
<b>Total</b>	-	-	12.5	8	0.3	2.4	-	-	-	-	13.4	108	1.2	9.0	-	-	-

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

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

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

Month : 2019 11 Change Cumulative : from 2019 02 01 to 2019 11 30 Change

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### Control D Month vs. Cumulative

		Control D (Lot No.: AH1220D)															
		Month (2019/11)								CUM (2019/02/01~2019/11/30)							
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
<a href="#">Lab020</a>	5	5.2	-	0	-	-	-	20	-	5.2	4.7	16	0.2	4.3	18.1	20	2.4
<a href="#">Lab022</a>	5	4.1	3.9	4	0.2	5.1	15.1	20	3.0	4.1	4.0	29	0.1	2.5	7.4	20	>6
<a href="#">Lab032</a>	5	5.2	-	0	-	-	-	20	-	5.2	4.6	29	0.5	10.9	33.3	20	0.8
<a href="#">Lab033</a>	5	3.9	3.8	4	0.1	2.6	7.8	20	>6	3.9	3.8	34	0.1	2.6	7.8	20	>6
<b>Total</b>	-	-	3.9	8	0.2	5.1	-	-	-	-	4.2	108	0.5	11.9	-	-	-

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

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

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

Month : 2019 11 Change Cumulative : from 2019 02 01 to 2019 11 30 Change

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Reagent Kit	Reagent Code
Medicon	5