

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

Select LotNo : AC1203N (2014-01-01 ~ 2100-12-31) [Change](#)

[Print Table](#)

Lab021

	Control N		Control D	
QC Control Lot No.	AC1203N		AC1203D	
Duration of the Analyzing	Month (2018/10)	CUM (2018/01/01~2018/10/31)	Month (2018/10)	CUM (2018/01/01~2018/10/31)
Runs (N)	2	18	2	18
Mean (U/gHb)	15.9	15.7	5.6	4.9
SD	-	0.5	-	1.1
CV (%)	-	3.2	-	22.4
Target Value (U/gHb)	14.4	14.4	5.8	5.8
Total Error (%)	-	15.4	-	60.4
TEa (%)	20	20	20	20
σ	-	3.4	-	0.2

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

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

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

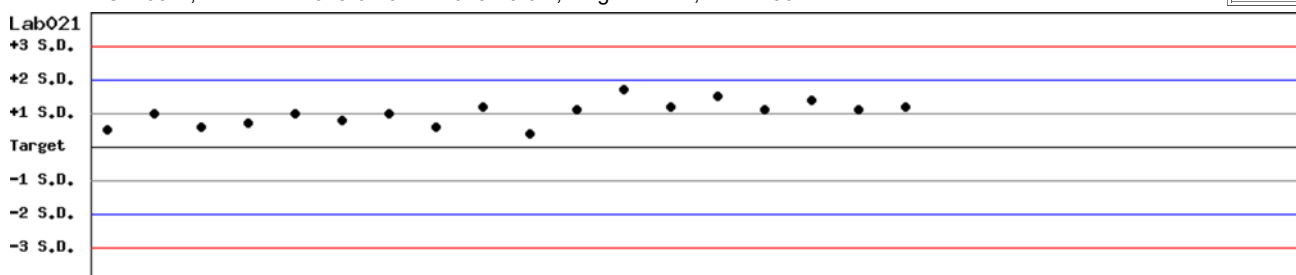
Month : 2018 10 [Change](#) ; Cumulative : from 2018 01 01 to 2018 10 31 [Change](#)

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Control N SDI QC Chart

Lot No.: AC1203N ; Duration : 2018-01-01 to 2018-10-31 ; Target : 14.4 ; SD : 1.30

Lab021



Date 03-14 03-21 03-28 04-05 04-12 04-18 04-25 05-03 05-09 05-16 05-23 05-30 09-05 09-12 09-19 09-26 10-03 10-10

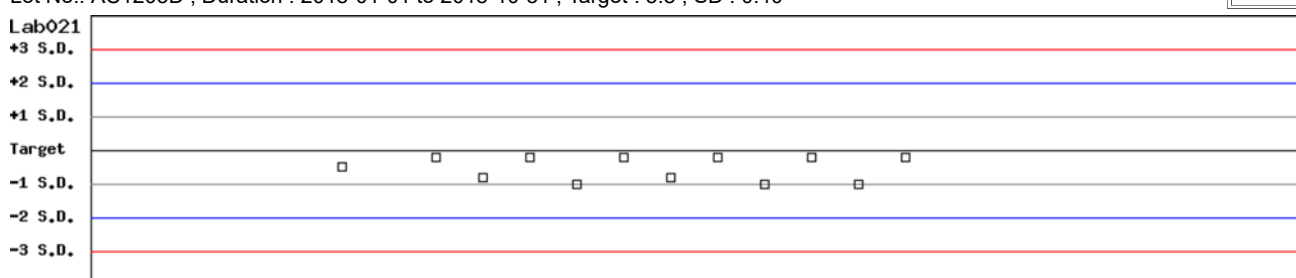
Month : 2018 10 [Change](#) ; Cumulative : from 2018 01 01 to 2018 10 31 [Change](#)

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Control D SDI QC Chart

Lot No.: AC1203D ; Duration : 2018-01-01 to 2018-10-31 ; Target : 5.8 ; SD : 0.40

Lab021



Date 03-14 03-21 03-28 04-05 04-12 04-18 04-25 05-03 05-09 05-16 05-23 05-30 09-05 09-12 09-19 09-26 10-03 10-10

Month : 2018 10 [Change](#) ; Cumulative : from 2018 01 01 to 2018 10 31 [Change](#)

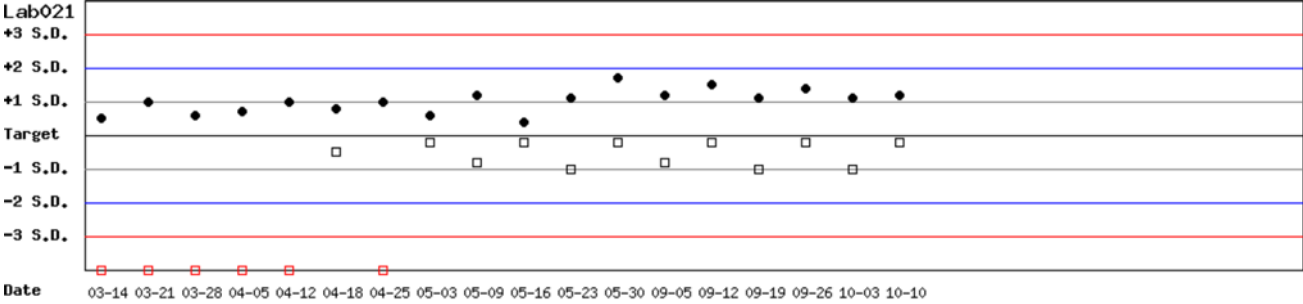
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Control N and Control D SDI QC Chart

Lot No.: AC1203N ; Duration : 2018-01-01 to 2018-10-31 ; Target : 14.4 ; SD : 1.30 (●)

Lot No.: AC1203D ; Duration : 2018-01-01 to 2018-10-31 ; Target : 5.8 ; SD : 0.40 (□)

Lab021



Month : 2018 10 ; Cumulative : from 2018 01 01 to 2018 10 31

Peer Group Statistics (Table 1)

Select LotNo :

Select Reagent Kit :

Monthly

Month :

		Control N (Lot No.: AC1203N)								Control D (Lot No.: AC1203D)							
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
Lab021	5	14.4	15.9	2	-	-	-	20	-	5.8	5.6	2	-	-	-	20	-
Lab022	5	14.4	14.7	4	0.3	2.0	6.2	20	>6	3.3	3.4	4	0.1	2.9	8.9	20	5.9
Total	-	-	15.1	6	0.7	4.6	-	-	-	-	4.1	6	1.1	26.8	-	-	-

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

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

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

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Cumulative

Cumulative : from to

		Control N (Lot No.: AC1203N)								Control D (Lot No.: AC1203D)							
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
Lab019	5	14.8	14.9	30	0.7	4.7	10.1	20	4.1	3.4	3.6	30	0.6	16.7	39.2	20	0.8
Lab020	5	14.2	15.7	29	0.8	5.1	20.8	20	1.9	3.3	3.5	29	0.2	5.7	17.5	20	2.4
Lab021	5	14.4	15.7	18	0.5	3.2	15.4	20	3.4	5.8	4.9	18	1.1	22.4	60.4	20	0.2
Lab022	5	14.4	14.6	23	0.5	3.4	8.2	20	5.5	3.3	3.3	23	0.2	6.1	12.1	20	3.3
Lab026	5	14.6	14.7	16	0.5	3.4	7.5	36	>6	3.2	3.2	16	0.1	3.1	6.3	36	>6
Lab028	5	14.2	15.0	113	0.9	6.0	17.6	20	2.4	3.3	3.6	113	0.2	5.6	20.2	20	1.9
Lab037	5	12.6	15.7	15	0.5	3.2	31.0	20	-1.4	3.0	3.5	15	0.1	2.9	22.4	20	1.1
Lab041	5	12.8	12.9	1	-	-	-	20	-	2.9	3.2	1	-	-	-	20	-
Total	-	-	15.1	245	0.8	5.3	-	-	-	-	3.6	245	0.5	13.9	-	-	-

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 : AC1203N (2014-01-01 ~ 2100-12-31) ▼ Change

Select Reagent Kit : 5 - Medicon ▼ Change

Print Table 2

Control N Month vs. Cumulative

Control N (Lot No.: AC1203N)																	
Month (2018/10)										CUM (2014/02/01~2018/10/31)							
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
Lab019	5	14.8	-	0	-	-	-	20	-	14.8	14.9	30	0.7	4.7	10.1	20	4.1
Lab020	5	14.2	-	0	-	-	-	20	-	14.2	15.7	29	0.8	5.1	20.8	20	1.9
Lab021	5	14.4	15.9	2	-	-	-	20	-	14.4	15.7	18	0.5	3.2	15.4	20	3.4
Lab022	5	14.4	14.7	4	0.3	2.0	6.2	20	>6	14.4	14.6	23	0.5	3.4	8.2	20	5.5
Lab026	5	14.6	-	0	-	-	-	36	-	14.6	14.7	16	0.5	3.4	7.5	36	>6
Lab028	5	14.2	-	0	-	-	-	20	-	14.2	15.0	113	0.9	6.0	17.6	20	2.4
Lab037	5	12.6	-	0	-	-	-	20	-	12.6	15.7	15	0.5	3.2	31.0	20	-1.4
Lab041	5	12.8	-	0	-	-	-	20	-	12.8	12.9	1	-	-	-	20	-
Total	-	-	15.1	6	0.7	4.6	-	-	-	-	15.1	245	0.8	5.3	-	-	-

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

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

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

Month : 2018 ▼ 10 ▼ Change

Cumulative : from 2014 ▼ 02 ▼ 01 ▼ to 2018 ▼ 10 ▼ 31 ▼ Change

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Control D Month vs. Cumulative

Control D (Lot No.: AC1203D)																	
Month (2018/10)										CUM (2014/02/01~2018/10/31)							
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
Lab019	5	3.4	-	0	-	-	-	20	-	3.4	3.6	30	0.6	16.7	39.2	20	0.8
Lab020	5	3.3	-	0	-	-	-	20	-	3.3	3.5	29	0.2	5.7	17.5	20	2.4
Lab021	5	5.8	5.6	2	-	-	-	20	-	5.8	4.9	18	1.1	22.4	60.4	20	0.2
Lab022	5	3.3	3.4	4	0.1	2.9	8.9	20	5.9	3.3	3.3	23	0.2	6.1	12.1	20	3.3
Lab026	5	3.2	-	0	-	-	-	36	-	3.2	3.2	16	0.1	3.1	6.3	36	>6
Lab028	5	3.3	-	0	-	-	-	20	-	3.3	3.6	113	0.2	5.6	20.2	20	1.9
Lab037	5	3.0	-	0	-	-	-	20	-	3.0	3.5	15	0.1	2.9	22.4	20	1.1
Lab041	5	2.9	-	0	-	-	-	20	-	2.9	3.2	1	-	-	-	20	-
Total	-	-	4.1	6	1.1	26.8	-	-	-	-	3.6	245	0.5	13.9	-	-	-

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

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

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

Month : 2018 ▼ 10 ▼ Change

Cumulative : from 2014 ▼ 02 ▼ 01 ▼ to 2018 ▼ 10 ▼ 31 ▼ Change

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Reagent Kit	Reagent Code
Medicon	5