

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

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

[Print Table](#)

Lab037

	Control N		Control D	
QC Control Lot No.	AC1203N		AC1203D	
Duration of the Analyzing	Month (2017/08)	CUM (2017/03/01~2017/08/31)	Month (2017/08)	CUM (2017/03/01~2017/08/31)
Runs (N)	4	26	4	26
Mean (U/gHb)	12.5	12.5	2.9	2.9
SD	0.6	0.8	0.2	0.3
CV (%)	4.8	6.4	6.9	10.3
Target Value (U/gHb)	12.6	12.6	3.0	3.0
Total Error (%)	10.4	13.6	17.1	24.0
TEa (%)	20	20	20	20
σ	4.0	3.0	2.4	1.6

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

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

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

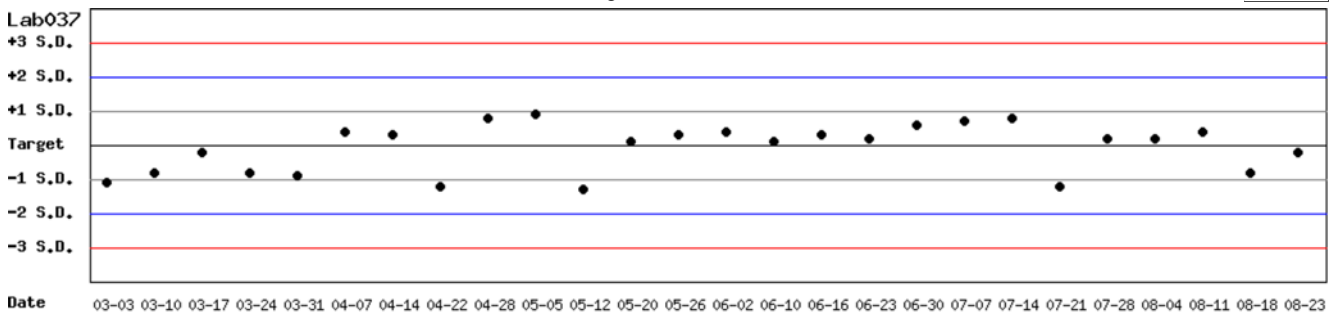
Month : 2017 08 [Change](#) ; Cumulative : from 2017 03 01 to 2017 08 31 [Change](#)

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Control N SDI QC Chart

Lot No.: AC1203N ; Duration : 2017-03-01 to 2017-08-31 ; Target : 12.6 ; SD : 1.20

Lab037



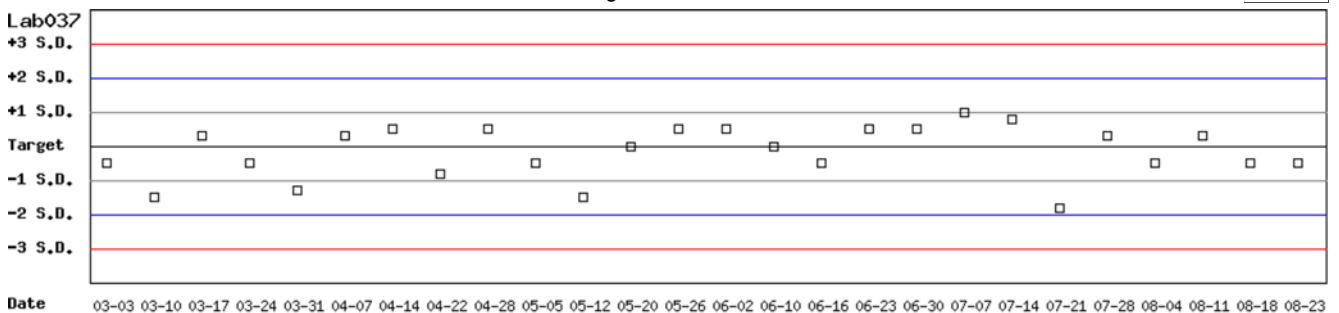
Month : 2017 08 [Change](#) ; Cumulative : from 2017 03 01 to 2017 08 31 [Change](#)

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Control D SDI QC Chart

Lot No.: AC1203D ; Duration : 2017-03-01 to 2017-08-31 ; Target : 3.0 ; SD : 0.40

Lab037



Month : 2017 08 [Change](#) ; Cumulative : from 2017 03 01 to 2017 08 31 [Change](#)

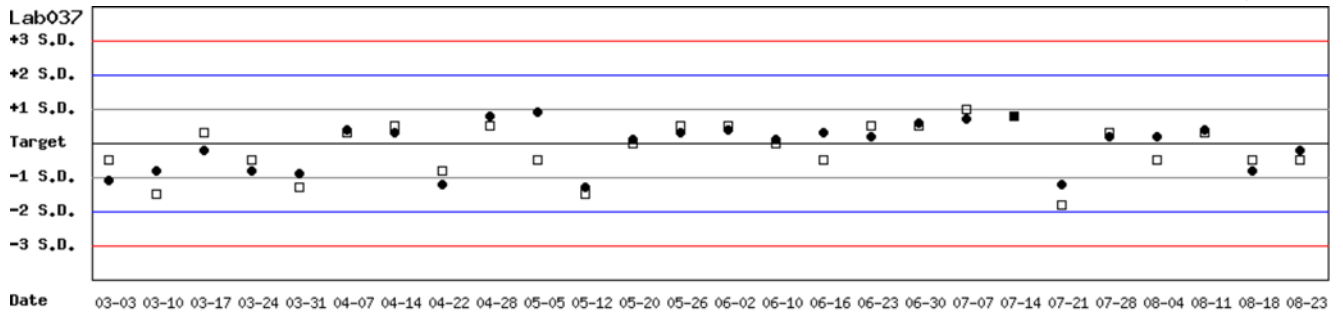
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Control N and Control D SDI QC Chart

Lot No.: AC1203N ; Duration : 2017-03-01 to 2017-08-31 ; Target : 12.6 ; SD : 1.20 (●)

Lot No.: AC1203D ; Duration : 2017-03-01 to 2017-08-31 ; Target : 3.0 ; SD : 0.40 (□)

Lab037



Month : 2017 08 ; Cumulative : from 2017 03 01 to 2017 08 31

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Peer Group Statistics (Table 1)

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

Select Reagent Kit : 2 - AMP ▼ Change

[Print Table 1](#)

Monthly

Month : 2017 ▼ 08 ▼ Change

		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	2	12.3	11.3	7	1.0	8.8	25.8	20	1.3		2.8	2.8	7	0.3	10.7	21.4	20	1.9
Lab037	2	12.6	12.5	4	0.6	4.8	10.4	20	4.0		3.0	2.9	4	0.2	6.9	17.1	20	2.4
Total	-	-	11.8	11	1.0	8.5	-	-	-		-	2.8	11	0.3	10.7	-	-	-

Bias (%) = $\left(\frac{|\text{Mean} - \text{Target}|}{\text{Target}} \right) \times 100\%$

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

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

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Cumulative

Cumulative : from 2014 ▼ 02 ▼ 01 ▼ to 2017 ▼ 08 ▼ 31 ▼ Change

		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
Lab017	2	14.2	13.8	36	1.6	11.6	26.0	20	1.5		3.3	3.9	36	1.4	35.9	90.0	20	0.1
Lab018	2	10.6	10.9	113	1.3	11.9	26.7	20	1.4		4.1	2.6	113	0.9	34.6	105.8	20	-0.5
Lab019	2	12.1	12.1	174	1.1	9.1	18.2	20	2.2		2.8	2.8	174	0.4	14.3	28.6	20	1.4
Lab020	2	11.3	11.6	27	1.3	11.2	25.1	20	1.5		2.6	2.7	27	0.4	14.8	33.5	20	1.1
Lab021	2	12.3	13.1	110	1.3	9.9	26.4	20	1.4		2.8	3.1	110	0.4	12.9	36.5	20	0.7
Lab022	2	11.3	11.4	76	1.1	9.6	20.2	20	2.0		2.8	2.8	76	0.4	14.3	28.6	20	1.4
Lab024	2	11.6	11.1	58	1.2	10.8	25.9	20	1.5		2.7	2.7	58	0.3	11.1	22.2	20	1.8
Lab026	2	11.6	11.5	212	1.6	13.9	28.7	36	2.5		2.7	2.8	212	0.5	17.9	39.4	36	1.8
Lab027	2	12.3	11.4	192	1.8	15.8	38.9	20	0.8		2.9	2.7	192	0.5	18.5	43.9	20	0.7
Lab028	2	12.8	13.4	374	1.3	9.7	24.1	20	1.6		2.9	3.2	374	0.5	15.6	41.6	20	0.6
Lab031	2	12.8	10.4	89	1.5	14.4	47.6	20	0.1		2.9	2.5	89	0.5	20.0	53.8	20	0.3
Lab032	2	13.2	11.5	222	1.9	16.5	45.9	20	0.4		5.4	2.7	222	0.5	18.5	87.0	20	-1.6
Lab033	2	11.6	11.9	163	1.0	8.4	19.4	20	2.1		2.8	2.9	163	0.3	10.3	24.3	20	1.6
Lab034	2	12.8	12.3	94	0.7	5.7	15.3	20	2.8		2.9	3.0	94	0.3	10.0	23.4	20	1.7
Lab035	2	12.8	12.4	55	0.7	5.6	14.4	20	3.0		2.9	2.8	55	0.3	10.7	24.9	20	1.5
Lab037	2	12.6	12.3	87	1.1	8.9	20.3	20	2.0		3.0	2.9	87	0.4	13.8	30.9	20	1.2
Lab038	2	12.8	12.7	60	1.0	7.9	16.5	20	2.4		2.9	3.2	60	0.5	15.6	41.6	20	0.6
Lab040	2	12.8	11.9	23	0.9	7.6	22.2	20	1.7		2.9	2.7	23	0.4	14.8	36.5	20	0.9
Lab041	2	12.8	11.2	16	1.4	12.5	37.5	20	0.6		2.9	2.8	16	0.3	10.7	24.9	20	1.5
Total	-	-	12.0	2181	1.6	13.3	-	-	-		-	2.9	2181	0.6	20.7	-	-	-

Bias (%) = $\left(\frac{|\text{Mean} - \text{Target}|}{\text{Target}} \right) \times 100\%$

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

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

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Reagent Kit	Reagent Code
AMP	2

Peer Group Statistics (Table 2)

Select LotNo :

Select Reagent Kit :

[Print Table 2](#)

Control N Month vs. Cumulative

		Control N (Lot No.: AC1203N)															
		Month (2017/08)								CUM (2014/02/01~2017/08/31)							
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
Lab017	2	14.2	-	0	-	-	-	20	-	14.2	13.8	36	1.6	11.6	26.0	20	1.5
Lab018	2	10.6	-	0	-	-	-	20	-	10.6	10.9	113	1.3	11.9	26.7	20	1.4
Lab019	2	12.1	-	0	-	-	-	20	-	12.1	12.1	174	1.1	9.1	18.2	20	2.2
Lab020	2	11.3	-	0	-	-	-	20	-	11.3	11.6	27	1.3	11.2	25.1	20	1.5
Lab021	2	12.3	11.3	7	1.0	8.8	25.8	20	1.3	12.3	13.1	110	1.3	9.9	26.4	20	1.4
Lab022	2	11.3	-	0	-	-	-	20	-	11.3	11.4	76	1.1	9.6	20.2	20	2.0
Lab024	2	11.6	-	0	-	-	-	20	-	11.6	11.1	58	1.2	10.8	25.9	20	1.5
Lab026	2	11.6	-	0	-	-	-	36	-	11.6	11.5	212	1.6	13.9	28.7	36	2.5
Lab027	2	12.3	-	0	-	-	-	20	-	12.3	11.4	192	1.8	15.8	38.9	20	0.8
Lab028	2	12.8	-	0	-	-	-	20	-	12.8	13.4	374	1.3	9.7	24.1	20	1.6
Lab031	2	12.8	-	0	-	-	-	20	-	12.8	10.4	89	1.5	14.4	47.6	20	0.1
Lab032	2	13.2	-	0	-	-	-	20	-	13.2	11.5	222	1.9	16.5	45.9	20	0.4
Lab033	2	11.6	-	0	-	-	-	20	-	11.6	11.9	163	1.0	8.4	19.4	20	2.1
Lab034	2	12.8	-	0	-	-	-	20	-	12.8	12.3	94	0.7	5.7	15.3	20	2.8
Lab035	2	12.8	-	0	-	-	-	20	-	12.8	12.4	55	0.7	5.6	14.4	20	3.0
Lab037	2	12.6	12.5	4	0.6	4.8	10.4	20	4.0	12.6	12.3	87	1.1	8.9	20.3	20	2.0
Lab038	2	12.8	-	0	-	-	-	20	-	12.8	12.7	60	1.0	7.9	16.5	20	2.4
Lab040	2	12.8	-	0	-	-	-	20	-	12.8	11.9	23	0.9	7.6	22.2	20	1.7
Lab041	2	12.8	-	0	-	-	-	20	-	12.8	11.2	16	1.4	12.5	37.5	20	0.6
Total	-	-	11.8	11	1.0	8.5	-	-	-	-	12.0	2181	1.6	13.3	-	-	-

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

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

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

Month :

Cumulative : from to

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Control D Month vs. Cumulative

		Control D (Lot No.: AC1203D)															
		Month (2017/08)								CUM (2014/02/01~2017/08/31)							
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
Lab017	2	3.3	-	0	-	-	-	20	-	3.3	3.9	36	1.4	35.9	90.0	20	0.1
Lab018	2	4.1	-	0	-	-	-	20	-	4.1	2.6	113	0.9	34.6	105.8	20	-0.5
Lab019	2	2.8	-	0	-	-	-	20	-	2.8	2.8	174	0.4	14.3	28.6	20	1.4
Lab020	2	2.6	-	0	-	-	-	20	-	2.6	2.7	27	0.4	14.8	33.5	20	1.1
Lab021	2	2.8	2.8	7	0.3	10.7	21.4	20	1.9	2.8	3.1	110	0.4	12.9	36.5	20	0.7
Lab022	2	2.8	-	0	-	-	-	20	-	2.8	2.8	76	0.4	14.3	28.6	20	1.4
Lab024	2	2.7	-	0	-	-	-	20	-	2.7	2.7	58	0.3	11.1	22.2	20	1.8
Lab026	2	2.7	-	0	-	-	-	36	-	2.7	2.8	212	0.5	17.9	39.4	36	1.8
Lab027	2	2.9	-	0	-	-	-	20	-	2.9	2.7	192	0.5	18.5	43.9	20	0.7
Lab028	2	2.9	-	0	-	-	-	20	-	2.9	3.2	374	0.5	15.6	41.6	20	0.6
Lab031	2	2.9	-	0	-	-	-	20	-	2.9	2.5	89	0.5	20.0	53.8	20	0.3
Lab032	2	5.4	-	0	-	-	-	20	-	5.4	2.7	222	0.5	18.5	87.0	20	-1.6
Lab033	2	2.8	-	0	-	-	-	20	-	2.8	2.9	163	0.3	10.3	24.3	20	1.6
Lab034	2	2.9	-	0	-	-	-	20	-	2.9	3.0	94	0.3	10.0	23.4	20	1.7
Lab035	2	2.9	-	0	-	-	-	20	-	2.9	2.8	55	0.3	10.7	24.9	20	1.5
Lab037	2	3.0	2.9	4	0.2	6.9	17.1	20	2.4	3.0	2.9	87	0.4	13.8	30.9	20	1.2
Lab038	2	2.9	-	0	-	-	-	20	-	2.9	3.2	60	0.5	15.6	41.6	20	0.6
Lab040	2	2.9	-	0	-	-	-	20	-	2.9	2.7	23	0.4	14.8	36.5	20	0.9
Lab041	2	2.9	-	0	-	-	-	20	-	2.9	2.8	16	0.3	10.7	24.9	20	1.5
Total	-	-	2.8	11	0.3	10.7	-	-	-	-	2.9	2181	0.6	20.7	-	-	-

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

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

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

Month :

Cumulative : from to

[TOP](#)

Reagent Kit	Reagent Code
AMP	2