

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 (2017/09)	CUM (2016/12/21~2017/09/30)	Month (2017/09)	CUM (2016/12/21~2017/09/30)
Runs (N)	3	26	3	26
Mean (U/gHb)	11.0	11.3	2.5	2.6
SD	0.0	0.5	0.1	0.2
CV (%)	0.0	4.4	4.0	7.7
Target Value (U/gHb)	12.3	12.3	2.8	2.8
Total Error (%)	10.6	17.0	18.7	22.5
TEa (%)	20	20	20	20
σ	>6	2.7	2.3	1.7

Bias (%) = [(| Mean - Target |) / Target] x 100%
 TE : Total Error(%) = Bias (%) + 2 x CV (%)
 σ (Sigma) = [TEa% - Bias (%)] / CV (%)

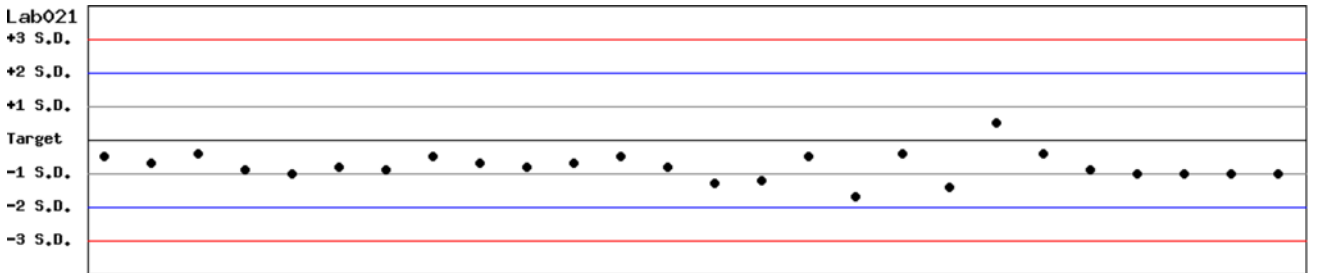
Month : 2017 09 [Change](#) ; Cumulative : from 2016 12 21 to 2017 09 30 [Change](#)

[TOP](#)

Control N SDI QC Chart

Lot No.: AC1203N ; Duration : 2016-12-21 to 2017-09-30 ; Target : 12.3 ; SD : 1.30

Lab021



Date 12-21 04-05 04-12 05-03 05-10 05-17 05-24 06-01 06-07 06-14 06-21 06-28 07-05 07-12 07-19 07-26 08-02 08-09 08-16 08-17 08-23 08-24 08-30 09-06 09-07 09-13

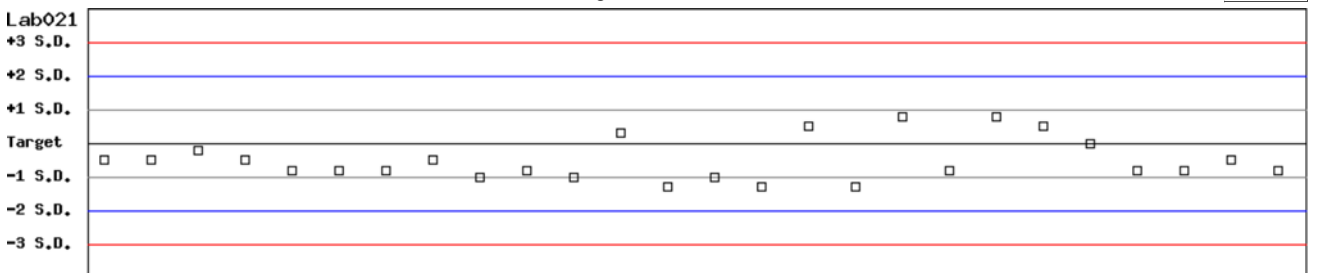
Month : 2017 09 [Change](#) ; Cumulative : from 2016 12 21 to 2017 09 30 [Change](#)

[TOP](#)

Control D SDI QC Chart

Lot No.: AC1203D ; Duration : 2016-12-21 to 2017-09-30 ; Target : 2.8 ; SD : 0.40

Lab021



Date 12-21 04-05 04-12 05-03 05-10 05-17 05-24 06-01 06-07 06-14 06-21 06-28 07-05 07-12 07-19 07-26 08-02 08-09 08-16 08-17 08-23 08-24 08-30 09-06 09-07 09-13

Month : 2017 09 [Change](#) ; Cumulative : from 2016 12 21 to 2017 09 30 [Change](#)

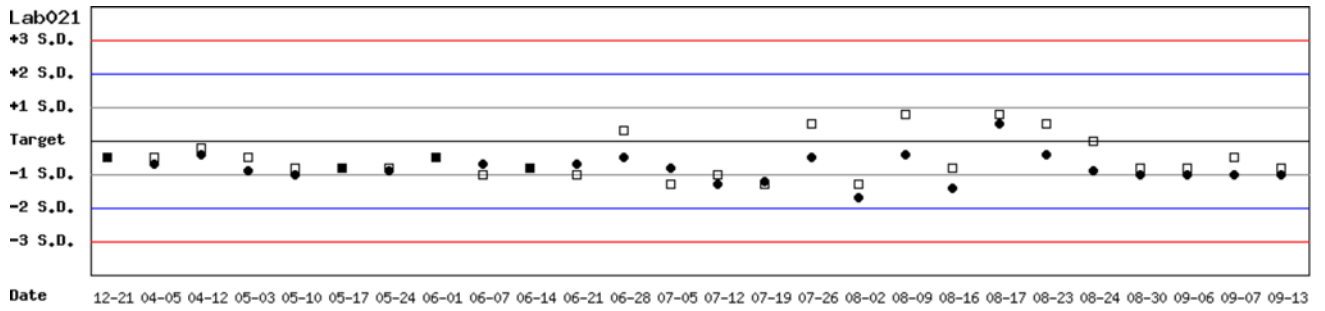
[TOP](#)

Control N and Control D SDI QC Chart

Lot No.: AC1203N ; Duration : 2016-12-21 to 2017-09-30 ; Target : 12.3 ; SD : 1.30 (●)

Lot No.: AC1203D ; Duration : 2016-12-21 to 2017-09-30 ; Target : 2.8 ; SD : 0.40 (□)

Lab021



Month : 2017 | 09 | ; Cumulative : from 2016 | 12 | 21 to 2017 | 09 | 30 |

[\[TOP\]](#)

Peer Group Statistics (Table 1)

Select LotNo :

Select Reagent Kit :

Monthly

Month :

UnitID ↑	Reagent Kit (Code) ↑	Control N (Lot No.: AC1203N)								Control D (Lot No.: AC1203D)							
		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	11.0	3	0.0	0.0	10.6	20	>6	2.8	2.5	3	0.1	4.0	18.7	20	2.3
Total	-	-	11.0	3	0.0	0.0	-	-	-	-	2.5	3	0.1	4.0	-	-	-

Bias (%) = [(| Mean - Target |) / Target] x 100%
 TE : Total Error(%) = Bias (%) + 2 × CV (%)
 σ (Sigma) = [TEa% - Bias (%)] / CV (%)

[TOP](#)

Cumulative

Cumulative : from to

UnitID ↑	Reagent Kit (Code) ↑	Control N (Lot No.: AC1203N)								Control D (Lot No.: AC1203D)							
		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	10.8	10.9	113	1.3	11.9	24.8	20	1.6	2.5	2.6	113	0.9	34.6	73.2	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	13.0	113	1.3	10.0	25.7	20	1.4	2.8	3.1	113	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	2184	1.6	13.3	-	-	-	-	2.9	2184	0.6	20.7	-	-	-

Bias (%) = [(| Mean - Target |) / Target] x 100%
 TE : Total Error(%) = Bias (%) + 2 × CV (%)
 σ (Sigma) = [TEa% - Bias (%)] / CV (%)

[TOP](#)

Reagent Kit	Reagent Code
AMP	2

Peer Group Statistics (Table 2)

Select LotNo :

Select Reagent Kit :

Control N Month vs. Cumulative

		Control N (Lot No.: AC1203N)															
		Month (2017/09)								CUM (2014/02/01~2017/09/30)							
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
Lab017	2	14.2	-	0	-	-	-	20	-	14.2	13.8	36	1.6	11.6	26.0	20	1.5
Lab018	2	10.8	-	0	-	-	-	20	-	10.8	10.9	113	1.3	11.9	24.8	20	1.6
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	11.0	3	0.0	0.0	10.6	20	>6	12.3	13.0	113	1.3	10.0	25.7	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	-	0	-	-	-	20	-	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	-	-	11.0	3	0.0	0.0	-	-	-	-	12.0	2184	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

[TOP](#)

Control D Month vs. Cumulative

		Control D (Lot No.: AC1203D)															
		Month (2017/09)								CUM (2014/02/01~2017/09/30)							
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
Lab017	2	3.3	-	0	-	-	-	20	-	3.3	3.9	36	1.4	35.9	90.0	20	0.1
Lab018	2	2.5	-	0	-	-	-	20	-	2.5	2.6	113	0.9	34.6	73.2	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	2.5	3	0.1	4.0	18.7	20	2.3	2.8	3.1	113	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	-	0	-	-	-	20	-	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	-	-	2.5	3	0.1	4.0	-	-	-	-	2.9	2184	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