

Summary Report of IQC program for G6PD Quantitative Test - AMP Group - June 2017 -

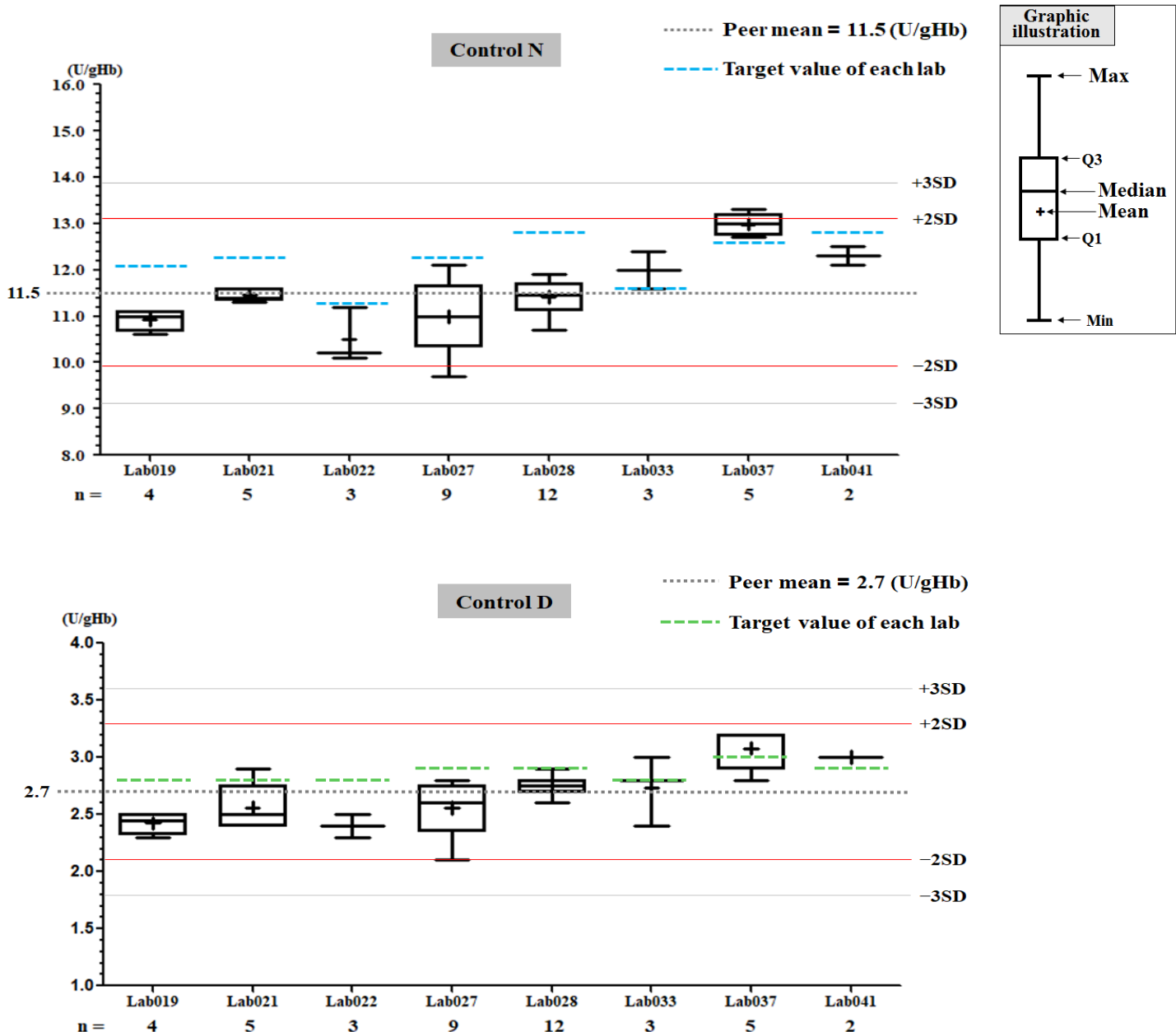
I. The statistic results of all laboratories in this month

G6PD	Control N (Lot No.:AC1203N)	Control D (Lot No.:AC1203D)
Labs	8	8
Received results number (n)	43	43
Median	11.5 (U/gHb)	2.7 (U/gHb)
Mean	11.5 (U/gHb)	2.7 (U/gHb)
SD	0.8	0.3
CV	7.0%	11.1%
Range of G6PD	9.7 ~ 13.3 (U/gHb)	2.1 ~ 3.2 (U/gHb)
Range of Hb	1.8 ~ 2.8 (g/dL)	1.6 ~ 3.3 (g/dL)

*The statistic results are calculated from all labs reported in this month

** G6PD Method = AMP reagent kit, 37°C

II. The distribution of G6PD reported for each lab in this survey



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

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

[Print Table](#)

Lab027

QC Control Lot No.	Control N		Control D	
	AC1203N		AC1203D	
Duration of the Analyzing	Month (2017/06)	CUM (2017/04/01~2017/06/30)	Month (2017/06)	CUM (2017/04/01~2017/06/30)
Runs (N)	9	26	9	26
Mean (U/gHb)	11.0	10.2	2.6	2.4
SD	0.8	1.9	0.2	0.4
CV (%)	7.3	18.6	7.7	16.7
Target Value (U/gHb)	12.3	12.3	2.9	2.9
Total Error (%)	25.1	54.3	25.7	50.6
TEa (%)	20	20	20	20
σ	1.3	0.2	1.3	0.2

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

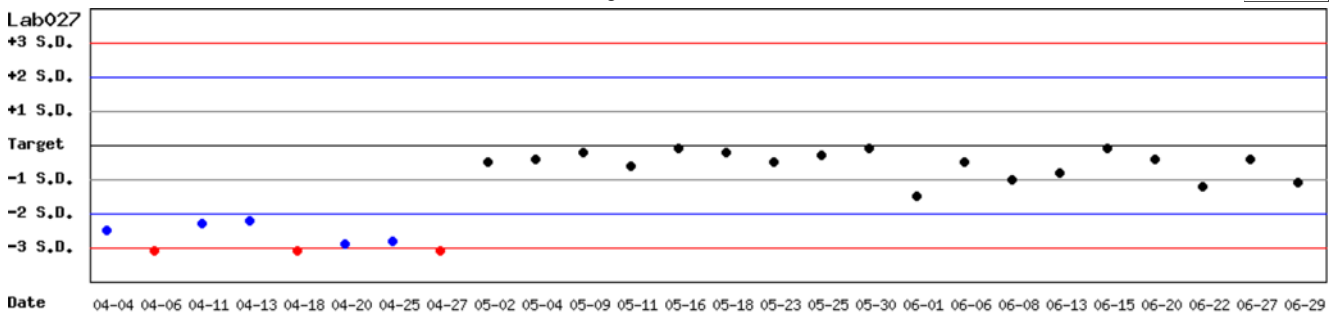
Month : 2017 06 [Change](#) ; Cumulative : from 2017 04 01 to 2017 06 30 [Change](#)

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Control N SDI QC Chart

Lot No.: AC1203N ; Duration : 2017-04-01 to 2017-06-30 ; Target : 12.3 ; SD : 1.70

Lab027



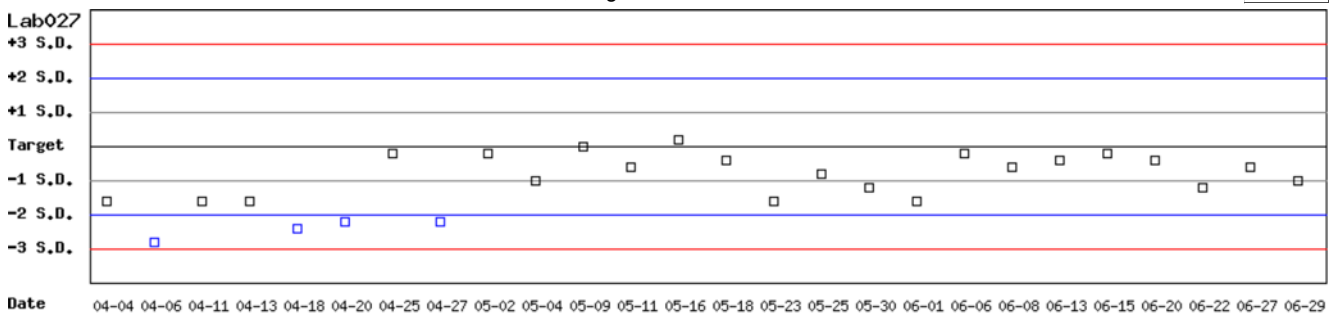
Month : 2017 06 [Change](#) ; Cumulative : from 2017 04 01 to 2017 06 30 [Change](#)

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Control D SDI QC Chart

Lot No.: AC1203D ; Duration : 2017-04-01 to 2017-06-30 ; Target : 2.9 ; SD : 0.50

Lab027



Month : 2017 06 [Change](#) ; Cumulative : from 2017 04 01 to 2017 06 30 [Change](#)

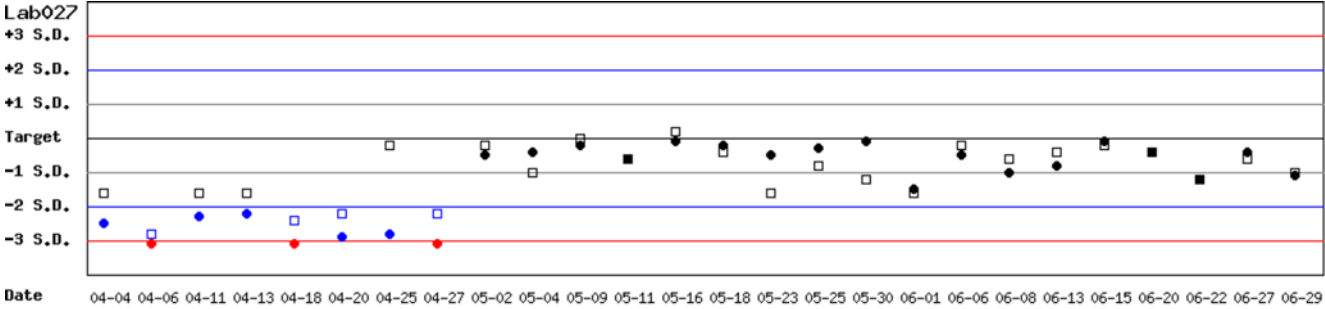
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Control N and Control D SDI QC Chart

Lot No.: AC1203N ; Duration : 2017-04-01 to 2017-06-30 ; Target : 12.3 ; SD : 1.70 (●)

Lot No.: AC1203D ; Duration : 2017-04-01 to 2017-06-30 ; Target : 2.9 ; SD : 0.50 (□)

Lab027



Month : 2017 06 ; Cumulative : from 2017 04 01 to 2017 06 30

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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 ▼ 06 ▼ Change

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
Lab019	2	12.1	10.9	4	0.2	1.8	13.6	20	5.6	2.8	2.4	4	0.1	4.2	22.6	20	1.4
Lab021	2	12.3	11.5	5	0.1	0.9	8.2	20	>6	2.8	2.6	5	0.2	7.7	22.5	20	1.7
Lab022	2	11.3	10.5	3	0.6	5.7	18.5	20	2.3	2.8	2.4	3	0.1	4.2	22.6	20	1.4
Lab027	2	12.3	11.0	9	0.8	7.3	25.1	20	1.3	2.9	2.6	9	0.2	7.7	25.7	20	1.3
Lab028	2	12.8	11.4	12	0.4	3.5	18.0	20	2.6	2.9	2.8	12	0.1	3.6	10.6	20	4.6
Lab033	2	11.6	12.0	3	0.4	3.3	10.1	20	5.0	2.8	2.7	3	0.3	11.1	25.8	20	1.5
Lab037	2	12.6	13.0	5	0.2	1.5	6.3	20	>6	3.0	3.1	5	0.2	6.5	16.2	20	2.6
Lab041	2	12.8	12.3	2	-	-	-	20	-	2.9	3.0	2	-	-	-	20	-
Total	-	-	11.5	43	0.8	7.0	-	-	-	-	2.7	43	0.3	11.1	-	-	-

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

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

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

[TOP](#)

Cumulative

Cumulative : from 2014 ▼ 02 ▼ 01 ▼ to 2017 ▼ 06 ▼ 30 ▼ Change

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	10.6	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	170	1.1	9.1	18.2	20	2.2	2.8	2.8	170	0.4	14.3	28.6	20	1.4
Lab020	2	11.3	11.6	23	1.4	12.1	26.8	20	1.4	2.6	2.7	23	0.5	18.5	40.9	20	0.9
Lab021	2	12.3	13.3	99	1.2	9.0	26.2	20	1.3	2.8	3.1	99	0.4	12.9	36.5	20	0.7
Lab022	2	11.3	11.4	73	1.1	9.6	20.2	20	2.0	2.8	2.9	73	0.3	10.3	24.3	20	1.6
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	185	1.9	16.7	40.7	20	0.8	2.9	2.7	185	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	79	1.1	8.9	20.3	20	2.0	3.0	2.9	79	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	2144	1.6	13.3	-	-	-	-	2.9	2144	0.6	20.7	-	-	-

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
AMP	2

Peer Group Statistics (Table 2)

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

Select Reagent Kit : 2 - AMP Change

[Print Table 2](#)

Control N Month vs. Cumulative

Control N (Lot No.: AC1203N)																	
UnitID <input type="text"/>	Reagent Kit (Code) <input type="text"/>	Month (2017/06)								CUM (2014/02/01-2017/06/30)							
		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	10.9	4	0.2	1.8	13.6	20	5.6	12.1	12.1	170	1.1	9.1	18.2	20	2.2
Lab020	2	11.3	-	0	-	-	-	20	-	11.3	11.6	23	1.4	12.1	26.8	20	1.4
Lab021	2	12.3	11.5	5	0.1	0.9	8.2	20	>6	12.3	13.3	99	1.2	9.0	26.2	20	1.3
Lab022	2	11.3	10.5	3	0.6	5.7	18.5	20	2.3	11.3	11.4	73	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	11.0	9	0.8	7.3	25.1	20	1.3	12.3	11.4	185	1.9	16.7	40.7	20	0.8
Lab028	2	12.8	11.4	12	0.4	3.5	18.0	20	2.6	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	12.0	3	0.4	3.3	10.1	20	5.0	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	13.0	5	0.2	1.5	6.3	20	>6	12.6	12.3	79	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	12.3	2	-	-	-	20	-	12.8	11.2	16	1.4	12.5	37.5	20	0.6
Total	-	-	-	43	0.8	7.0	-	-	-	-	12.0	2144	1.6	13.3	-	-	-

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

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

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

Month : 2017 06 Change

Cumulative : from 2014 02 01 to 2017 06 30 Change

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Control D Month vs. Cumulative

Control D (Lot No.: AC1203D)																	
UnitID <input type="text"/>	Reagent Kit (Code) <input type="text"/>	Month (2017/06)								CUM (2014/02/01-2017/06/30)							
		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	2.4	4	0.1	4.2	22.6	20	1.4	2.8	2.8	170	0.4	14.3	28.6	20	1.4
Lab020	2	2.6	-	0	-	-	-	20	-	2.6	2.7	23	0.5	18.5	40.9	20	0.9
Lab021	2	2.8	2.6	5	0.2	7.7	22.5	20	1.7	2.8	3.1	99	0.4	12.9	36.5	20	0.7
Lab022	2	2.8	2.4	3	0.1	4.2	22.6	20	1.4	2.8	2.9	73	0.3	10.3	24.3	20	1.6
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	2.6	9	0.2	7.7	25.7	20	1.3	2.9	2.7	185	0.5	18.5	43.9	20	0.7
Lab028	2	2.9	2.8	12	0.1	3.6	10.6	20	4.6	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	2.7	3	0.3	11.1	25.8	20	1.5	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	3.1	5	0.2	6.5	16.2	20	2.6	3.0	2.9	79	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	3.0	2	-	-	-	20	-	2.9	2.8	16	0.3	10.7	24.9	20	1.5
Total	-	-	-	43	0.3	11.1	-	-	-	-	2.9	2144	0.6	20.7	-	-	-

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

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

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

Month : 2017 06 Change

Cumulative : from 2014 02 01 to 2017 06 30 Change

[TOP](#)

Reagent Kit	Reagent Code
AMP	2