

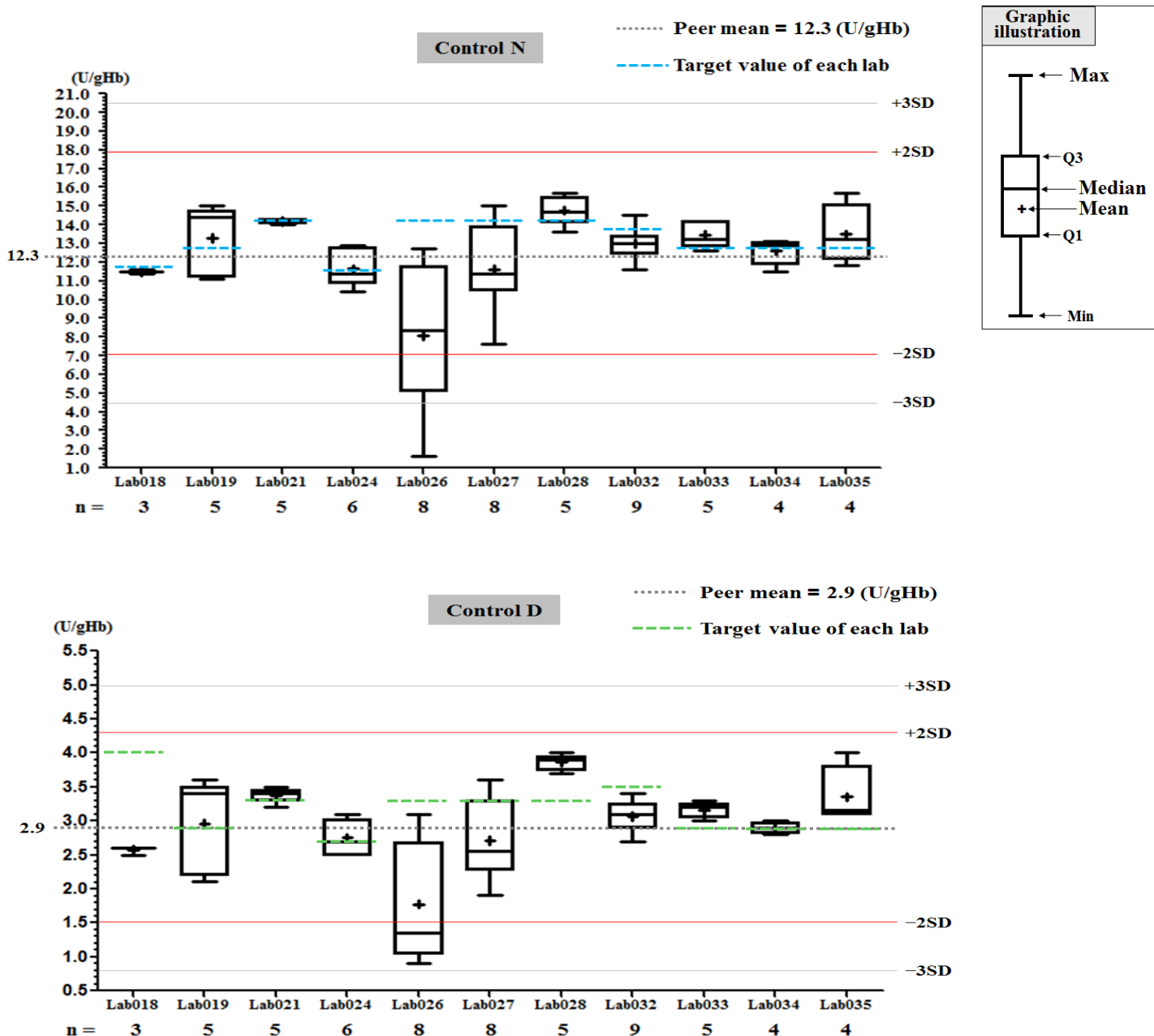
# Summary Report of IQC program for G6PD Quantitative Test - April 2015 -

## I. The statistic results of all laboratories in this month

G6PD	Control N (Lot No.:AC1203N)	Control D (Lot No.:AC1203D)
Labs	11	11
Received results number (n)	62	62
Median	12.9 (U/gHb)	3.0 (U/gHb)
Mean	12.3 (U/gHb)	2.9 (U/gHb)
SD	2.6	0.4
CV	21.1%	13.8%
Range of G6PD	1.6 ~ 15.7 (U/gHb)	0.9 ~ 4.0 (U/gHb)
Range of Hb	1.9 ~ 3.0 (g/dL)	2.3 ~ 3.5 (g/dL)

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

## 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](#)

## Lab026

QC Control Lot No.	Control N		Control D	
	AC1203N		AC1203D	
Duration of the Analyzing	Month (2015/04)	CUM (2015/02/16~2015/04/30)	Month (2015/04)	CUM (2015/02/16~2015/04/30)
Runs (N)	8	26	8	26
Mean (U/gHb)	8.1	10.9	1.8	2.7
SD	4.2	3.0	0.9	0.8
CV (%)	51.9	27.5	50.0	29.6
Target Value (U/gHb)	14.2	14.2	3.3	3.3
Total Error (%)	146.7	78.3	145.5	77.4
TEa (%)	20	20	20	20
$\sigma$	-0.4	-0.1	-0.5	0.1

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

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

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

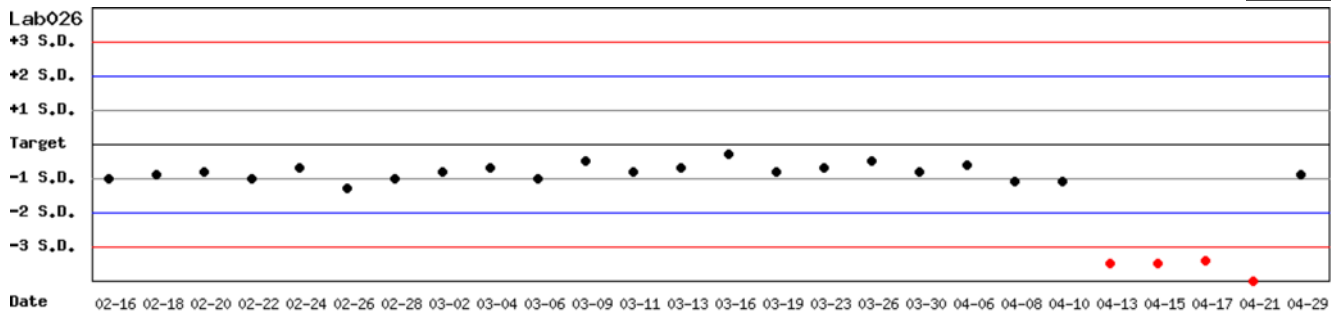
Month : 2015 04 [Change](#) ; Cumulative : from 2015 02 16 to 2015 04 30 [Change](#)

[TOP](#)

## Control N SDI QC Chart

Lot No.: AC1203N ; Duration : 2015-02-16 to 2015-04-30 ; Target : 14.2 ; SD : 2.6

Lab026



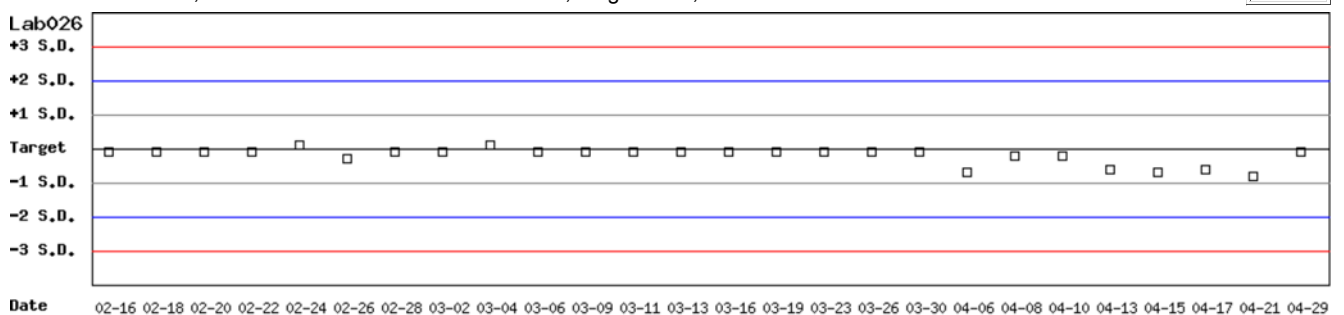
Month : 2015 04 [Change](#) ; Cumulative : from 2015 02 16 to 2015 04 30 [Change](#)

[TOP](#)

## Control D SDI QC Chart

Lot No.: AC1203D ; Duration : 2015-02-16 to 2015-04-30 ; Target : 3.3 ; SD : 3.1

Lab026



Month : 2015 04 [Change](#) ; Cumulative : from 2015 02 16 to 2015 04 30 [Change](#)

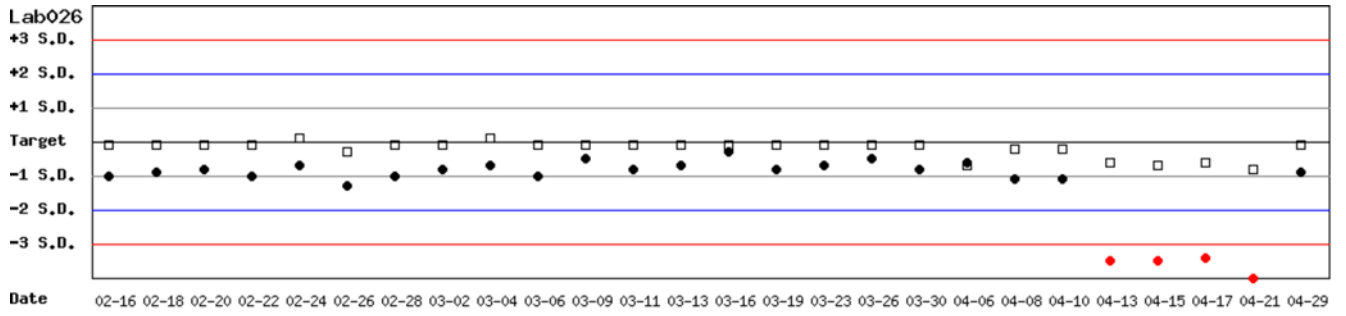
[TOP](#)

## Control N and Control D SDI QC Chart

Lot No.: AC1203N ; Duration : 2015-02-16 to 2015-04-30 ; Target : 14.2 ; SD : 2.6 ( ● )

Lot No.: AC1203D ; Duration : 2015-02-16 to 2015-04-30 ; Target : 3.3 ; SD : 3.1 ( □ )

Lab026



Month : 2015 04  ; Cumulative : from 2015 02 16 to 2015 04 30

[TOP](#)

# Peer Group Statistics (Table 1)

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

Select Reagent Kit : 2 - AMP

## Monthly

Month : 2015

UnitID <input type="button" value="↑"/>	Reagent Kit (Code) <input type="button" value="↑"/>	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
<a href="#">Lab018</a>	2	11.8	11.5	3	0.1	0.9	4.3	20	>6	4.0	2.6	3	0.1	3.8	42.7	20	-3.9
<a href="#">Lab019</a>	2	12.8	13.3	5	1.9	14.3	32.5	20	1.1	2.9	3.0	5	0.7	23.3	50.1	20	0.7
<a href="#">Lab021</a>	2	14.2	14.2	5	0.1	0.7	1.4	20	>6	3.3	3.4	5	0.1	2.9	8.9	20	5.9
<a href="#">Lab024</a>	2	11.6	11.6	6	1.0	8.6	17.2	17	2.0	2.7	2.8	6	0.3	10.7	25.1	17	1.2
<a href="#">Lab026</a>	2	14.2	8.1	8	4.2	51.9	146.7	20	-0.4	3.3	1.8	8	0.9	50.0	145.5	20	-0.5
<a href="#">Lab027</a>	2	14.2	11.6	8	2.3	19.8	58.0	20	0.1	3.3	2.7	8	0.6	22.2	62.6	20	0.1
<a href="#">Lab028</a>	2	14.2	14.8	5	0.8	5.4	15.0	20	2.9	3.3	3.9	5	0.1	2.6	23.3	20	0.7
<a href="#">Lab032</a>	2	13.8	13.0	9	0.8	6.2	18.1	20	2.3	3.5	3.1	9	0.2	6.5	24.3	20	1.3
<a href="#">Lab033</a>	2	12.8	13.5	5	0.7	5.2	15.8	20	2.8	2.9	3.2	5	0.1	3.1	16.6	20	3.1
<a href="#">Lab034</a>	2	12.8	12.6	4	0.7	5.6	12.7	20	3.3	2.9	2.9	4	0.1	3.4	6.9	20	5.9
<a href="#">Lab035</a>	2	12.8	13.5	4	1.6	11.9	29.2	20	1.2	2.9	3.4	4	0.4	11.8	40.8	20	0.2
Total	-	-	12.3	62	2.6	21.1	-	-	-	-	2.9	62	0.7	24.1	-	-	-

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

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

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

[\[TOP\]](#)

## Cumulative

Cumulative : from 2014   to 2015

UnitID <input type="button" value="↑"/>	Reagent Kit (Code) <input type="button" value="↑"/>	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
<a href="#">Lab017</a>	2	14.2	16.5	1	-	-	-	20	-	3.3	5.2	1	-	-	-	20	-
<a href="#">Lab018</a>	2	11.8	10.2	41	1.7	16.7	46.9	20	0.4	4.0	2.4	41	1.3	54.2	148.3	20	-0.4
<a href="#">Lab019</a>	2	12.8	11.8	60	1.2	10.2	28.2	20	1.2	2.9	2.7	60	0.4	14.8	36.5	20	0.9
<a href="#">Lab021</a>	2	14.2	14.2	5	0.1	0.7	1.4	20	>6	3.3	3.4	5	0.1	2.9	8.9	20	5.9
<a href="#">Lab024</a>	2	11.6	10.9	25	1.5	13.8	33.6	17	0.8	2.7	2.6	25	0.5	19.2	42.2	17	0.7
<a href="#">Lab026</a>	2	14.2	11.5	151	1.8	15.7	50.3	20	0.1	3.3	2.8	151	0.5	17.9	50.9	20	0.3
<a href="#">Lab027</a>	2	14.2	11.5	87	1.7	14.8	48.6	20	0.1	3.3	2.7	87	0.5	18.5	55.2	20	0.1
<a href="#">Lab028</a>	2	14.2	13.2	73	1.5	11.4	29.8	20	1.1	3.3	3.2	73	0.8	25.0	53.0	20	0.7
<a href="#">Lab031</a>	2	12.8	9.9	41	1.5	15.2	53.0	20	-0.2	2.9	2.3	41	0.4	17.4	55.5	20	0.0
<a href="#">Lab032</a>	2	13.8	10.3	118	1.5	14.6	54.5	20	-0.4	3.5	2.3	118	0.4	17.4	69.1	20	-0.8
<a href="#">Lab033</a>	2	12.8	11.9	58	1.0	8.4	23.8	20	1.5	2.9	2.9	58	0.3	10.3	20.7	20	1.9
<a href="#">Lab034</a>	2	12.8	12.7	10	0.5	3.9	8.7	20	4.9	2.9	3.0	10	0.1	3.3	10.1	20	5.0
<a href="#">Lab035</a>	2	12.8	13.3	8	1.4	10.5	25.0	20	1.5	2.9	3.4	8	0.4	11.8	40.8	20	0.2
Total	-	-	11.4	678	1.8	15.8	-	-	-	-	2.7	678	0.7	25.9	-	-	-

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 : 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)															
		Month (2015/04)								CUM (2014/02/01~2015/04/30)							
UnitID <sup>†</sup>	Reagent Kit (Code) <sup>†</sup>	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="#">Lab017</a>	2	14.2	-	0	-	-	-	20	-	14.2	16.5	1	-	-	-	20	-
<a href="#">Lab018</a>	2	11.8	11.5	3	0.1	0.9	4.3	20	>6	11.8	10.2	41	1.7	16.7	46.9	20	0.4
<a href="#">Lab019</a>	2	12.8	13.3	5	1.9	14.3	32.5	20	1.1	12.8	11.8	60	1.2	10.2	28.2	20	1.2
<a href="#">Lab021</a>	2	14.2	14.2	5	0.1	0.7	1.4	20	>6	14.2	14.2	5	0.1	0.7	1.4	20	>6
<a href="#">Lab024</a>	2	11.6	11.6	6	1.0	8.6	17.2	17	2.0	11.6	10.9	25	1.5	13.8	33.6	17	0.8
<a href="#">Lab026</a>	2	14.2	8.1	8	4.2	51.9	146.7	20	-0.4	14.2	11.5	151	1.8	15.7	50.3	20	0.1
<a href="#">Lab027</a>	2	14.2	11.6	8	2.3	19.8	58.0	20	0.1	14.2	11.5	87	1.7	14.8	48.6	20	0.1
<a href="#">Lab028</a>	2	14.2	14.8	5	0.8	5.4	15.0	20	2.9	14.2	13.2	73	1.5	11.4	29.8	20	1.1
<a href="#">Lab031</a>	2	12.8	-	0	-	-	-	20	-	12.8	9.9	41	1.5	15.2	53.0	20	-0.2
<a href="#">Lab032</a>	2	13.8	13.0	9	0.8	6.2	18.1	20	2.3	13.8	10.3	118	1.5	14.6	54.5	20	-0.4
<a href="#">Lab033</a>	2	12.8	13.5	5	0.7	5.2	15.8	20	2.8	12.8	11.9	58	1.0	8.4	23.8	20	1.5
<a href="#">Lab034</a>	2	12.8	12.6	4	0.7	5.6	12.7	20	3.3	12.8	12.7	10	0.5	3.9	8.7	20	4.9
<a href="#">Lab035</a>	2	12.8	13.5	4	1.6	11.9	29.2	20	1.2	12.8	13.3	8	1.4	10.5	25.0	20	1.5
Total	-	-	12.3	62	2.6	21.1	-	-	-	-	11.4	678	1.8	15.8	-	-	-

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

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

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

Month : 2015 04 Change

Cumulative : from 2014 02 01 to 2015 04 30 Change

[TOP](#)

### Control D Month vs. Cumulative

		Control D (Lot No.: AC1203D)															
		Month (2015/04)								CUM (2014/02/01~2015/04/30)							
UnitID <sup>†</sup>	Reagent Kit (Code) <sup>†</sup>	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="#">Lab017</a>	2	3.3	-	0	-	-	-	20	-	3.3	5.2	1	-	-	-	20	-
<a href="#">Lab018</a>	2	4.0	2.6	3	0.1	3.8	42.7	20	-3.9	4.0	2.4	41	1.3	54.2	148.3	20	-0.4
<a href="#">Lab019</a>	2	2.9	3.0	5	0.7	23.3	50.1	20	0.7	2.9	2.7	60	0.4	14.8	36.5	20	0.9
<a href="#">Lab021</a>	2	3.3	3.4	5	0.1	2.9	8.9	20	5.9	3.3	3.4	5	0.1	2.9	8.9	20	5.9
<a href="#">Lab024</a>	2	2.7	2.8	6	0.3	10.7	25.1	17	1.2	2.7	2.6	25	0.5	19.2	42.2	17	0.7
<a href="#">Lab026</a>	2	3.3	1.8	8	0.9	50.0	145.5	20	-0.5	3.3	2.8	151	0.5	17.9	50.9	20	0.3
<a href="#">Lab027</a>	2	3.3	2.7	8	0.6	22.2	62.6	20	0.1	3.3	2.7	87	0.5	18.5	55.2	20	0.1
<a href="#">Lab028</a>	2	3.3	3.9	5	0.1	2.6	23.3	20	0.7	3.3	3.2	73	0.8	25.0	53.0	20	0.7
<a href="#">Lab031</a>	2	2.9	-	0	-	-	-	20	-	2.9	2.3	41	0.4	17.4	55.5	20	0.0
<a href="#">Lab032</a>	2	3.5	3.1	9	0.2	6.5	24.3	20	1.3	3.5	2.3	118	0.4	17.4	69.1	20	-0.8
<a href="#">Lab033</a>	2	2.9	3.2	5	0.1	3.1	16.6	20	3.1	2.9	2.9	58	0.3	10.3	20.7	20	1.9
<a href="#">Lab034</a>	2	2.9	2.9	4	0.1	3.4	6.9	20	5.9	2.9	3.0	10	0.1	3.3	10.1	20	5.0
<a href="#">Lab035</a>	2	2.9	3.4	4	0.4	11.8	40.8	20	0.2	2.9	3.4	8	0.4	11.8	40.8	20	0.2
Total	-	-	2.9	62	0.7	24.1	-	-	-	-	2.7	678	0.7	25.9	-	-	-

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

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

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

Month : 2015 04 Change

Cumulative : from 2014 02 01 to 2015 04 30 Change

[TOP](#)

Reagent Kit	Reagent Code
AMP	2