

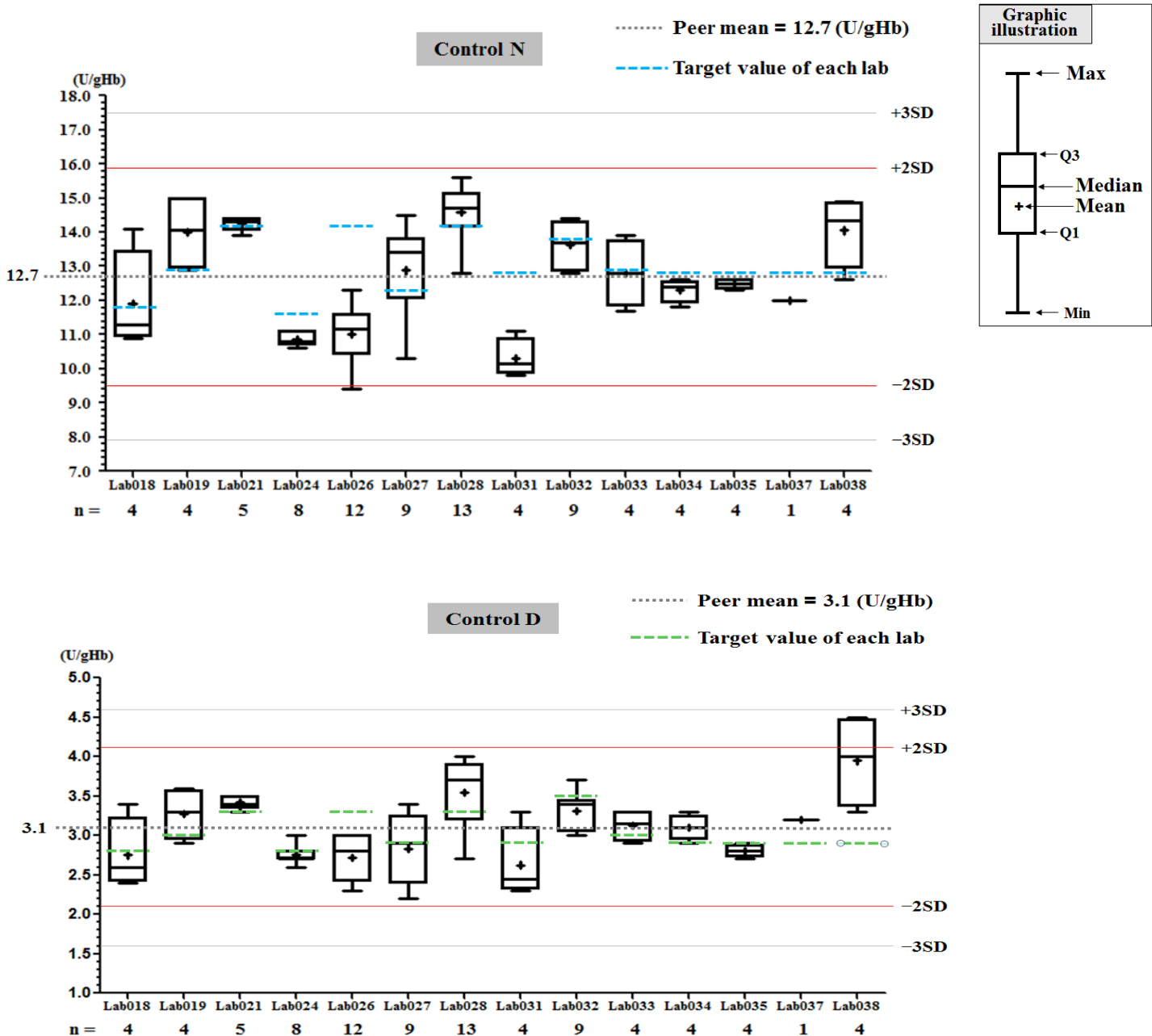
# Summary Report of IQC program for G6PD Quantitative Test - AMP Group - June 2015 -

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

G6PD	Control N (Lot No.:AC1203N)	Control D (Lot No.:AC1203D)
Labs	14	14
Received results number (n)	85	85
Median	12.6 (U/gHb)	3.1 (U/gHb)
Mean	12.7 (U/gHb)	3.1 (U/gHb)
SD	1.6	0.5
CV	12.6%	16.1%
Range of G6PD	9.4 ~ 15.6 (U/gHb)	2.2 ~ 4.5 (U/gHb)
Range of Hb	1.9 ~ 3.1 (g/dL)	1.5 ~ 5.1 (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](#)

## Lab019

QC Control Lot No.	Control N		Control D	
	AC1203N		AC1203D	
Duration of the Analyzing	Month (2015/06)	CUM (2014/12/23~2015/06/30)	Month (2015/06)	CUM (2014/12/23~2015/06/30)
Runs (N)	4	26	4	26
Mean (U/gHb)	14.0	12.7	3.3	2.9
SD	1.2	1.3	0.3	0.4
CV (%)	8.6	10.2	9.1	13.8
Target Value (U/gHb)	12.9	12.9	3.0	3.0
Total Error (%)	25.7	22.0	28.2	30.9
TEa (%)	20	20	20	20
$\sigma$	1.3	1.8	1.1	1.2

Bias (%) =  $[(| \text{Mean} - \text{Target} |) / \text{Target}] \times 100\%$

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

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

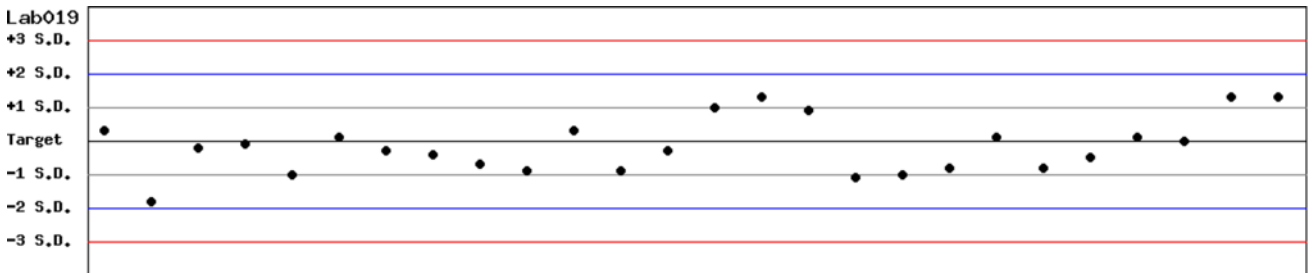
Month : 2015 06 [Change](#) ; Cumulative : from 2014 12 23 to 2015 06 30 [Change](#)

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## Control N SDI QC Chart

Lot No.: AC1203N ; Duration : 2014-12-23 to 2015-06-30 ; Target : 12.9 ; SD : 1.60

Lab019



Date 12-23 12-31 01-08 01-15 01-20 01-28 02-04 02-12 02-18 02-25 03-03 03-11 03-18 04-01 04-09 04-16 04-23 04-30 05-07 05-14 05-21 05-28 06-04 06-11 06-18 06-25

Month : 2015 06 [Change](#) ; Cumulative : from 2014 12 23 to 2015 06 30 [Change](#)

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## Control D SDI QC Chart

Lot No.: AC1203D ; Duration : 2014-12-23 to 2015-06-30 ; Target : 3.0 ; SD : 0.50

Lab019



Date 12-23 12-31 01-08 01-15 01-20 01-28 02-04 02-12 02-18 02-25 03-03 03-11 03-18 04-01 04-09 04-16 04-23 04-30 05-07 05-14 05-21 05-28 06-04 06-11 06-18 06-25

Month : 2015 06 [Change](#) ; Cumulative : from 2014 12 23 to 2015 06 30 [Change](#)

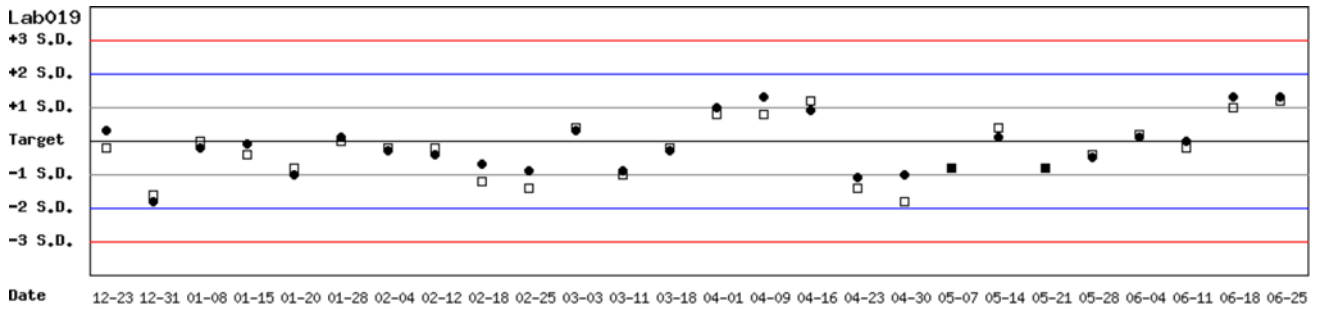
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## Control N and Control D SDI QC Chart

Lot No.: AC1203N ; Duration : 2014-12-23 to 2015-06-30 ; Target : 12.9 ; SD : 1.60 ( ● )

Lot No.: AC1203D ; Duration : 2014-12-23 to 2015-06-30 ; Target : 3.0 ; SD : 0.50 ( □ )

Lab019



Month : 2015 06  ; Cumulative : from 2014 12 23 to 2015 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 : 2015 ▼ 06 ▼ Change

UnitID <sup>†</sup>	Reagent Kit (Code) <sup>†</sup>	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	11.9	4	1.5	12.6	26.1	20	1.5	2.8	2.8	4	0.5	17.9	35.7	20	1.1
<a href="#">Lab019</a>	2	12.9	14.0	4	1.2	8.6	25.7	20	1.3	3.0	3.3	4	0.3	9.1	28.2	20	1.1
<a href="#">Lab021</a>	2	14.2	14.2	5	0.2	1.4	2.8	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	8	0.2	1.8	9.7	20	>6	2.7	2.8	8	0.1	3.6	10.8	20	4.5
<a href="#">Lab026</a>	2	14.2	11.0	12	0.8	7.3	37.1	20	-0.3	3.3	2.7	12	0.3	11.1	40.4	20	0.2
<a href="#">Lab027</a>	2	12.3	12.9	9	1.3	10.1	25.0	20	1.5	2.9	2.8	9	0.4	14.3	32.0	20	1.2
<a href="#">Lab028</a>	2	14.2	14.6	13	0.8	5.5	13.8	20	3.1	3.3	3.5	13	0.5	14.3	34.6	20	1.0
<a href="#">Lab031</a>	2	12.8	10.3	4	0.6	5.8	31.2	20	0.1	2.9	2.6	4	0.5	19.2	48.8	20	0.5
<a href="#">Lab032</a>	2	13.8	13.6	9	0.7	5.1	11.7	20	3.6	3.5	3.3	9	0.2	6.1	17.8	20	2.3
<a href="#">Lab033</a>	2	12.9	12.8	4	1.0	7.8	16.4	20	2.5	3.0	3.1	4	0.2	6.5	16.2	20	2.6
<a href="#">Lab034</a>	2	12.8	12.3	4	0.3	2.4	8.8	20	>6	2.9	3.1	4	0.2	6.5	19.8	20	2.0
<a href="#">Lab035</a>	2	12.8	12.5	4	0.2	1.6	5.5	20	>6	2.9	2.8	4	0.1	3.6	10.6	20	4.6
<a href="#">Lab037</a>	2	12.8	12.0	1	-	-	-	20	-	2.9	3.2	1	-	-	-	20	-
<a href="#">Lab038</a>	2	12.8	14.1	4	1.0	7.1	24.3	20	1.4	2.9	4.0	4	0.6	15.0	67.9	20	-1.2
Total	-	-	12.7	85	1.6	12.6	-	-	-	-	3.1	85	0.5	16.1	-	-	-

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

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

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

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### Cumulative

Cumulative : from 2014 ▼ 02 ▼ 01 ▼ to 2015 ▼ 06 ▼ 30 ▼ Change

UnitID <sup>†</sup>	Reagent Kit (Code) <sup>†</sup>	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	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
<a href="#">Lab018</a>	2	11.8	10.5	49	1.7	16.2	43.4	20	0.6	2.8	2.4	49	1.2	50.0	114.3	20	0.1
<a href="#">Lab019</a>	2	12.9	11.9	68	1.3	10.9	29.6	20	1.1	3.0	2.7	68	0.4	14.8	39.6	20	0.7
<a href="#">Lab021</a>	2	14.2	14.2	14	0.2	1.4	2.8	20	>6	3.3	3.5	14	0.1	2.9	11.8	20	4.8
<a href="#">Lab024</a>	2	11.6	11.1	39	1.3	11.7	27.7	20	1.3	2.7	2.7	39	0.4	14.8	29.6	20	1.4
<a href="#">Lab026</a>	2	14.2	11.4	174	1.7	14.9	49.5	20	0.0	3.3	2.8	174	0.5	17.9	50.9	20	0.3
<a href="#">Lab027</a>	2	12.3	11.7	104	1.7	14.5	33.9	20	1.0	2.9	2.7	104	0.5	18.5	43.9	20	0.7
<a href="#">Lab028</a>	2	14.2	13.5	100	1.4	10.4	25.7	20	1.4	3.3	3.3	100	0.8	24.2	48.5	20	0.8
<a href="#">Lab031</a>	2	12.8	9.9	45	1.4	14.1	50.9	20	-0.2	2.9	2.4	45	0.4	16.7	50.6	20	0.2
<a href="#">Lab032</a>	2	13.8	10.7	133	1.7	15.9	54.2	20	-0.2	3.5	2.5	133	0.5	20.0	68.6	20	-0.4
<a href="#">Lab033</a>	2	12.9	12.0	66	1.1	9.2	25.3	20	1.4	3.0	2.9	66	0.3	10.3	24.0	20	1.6
<a href="#">Lab034</a>	2	12.8	12.6	18	0.4	3.2	7.9	20	5.8	2.9	3.1	18	0.2	6.5	19.8	20	2.0
<a href="#">Lab035</a>	2	12.8	12.9	15	1.1	8.5	17.8	20	2.3	2.9	3.1	15	0.4	12.9	32.7	20	1.0
<a href="#">Lab037</a>	2	12.8	12.9	3	0.9	7.0	14.7	20	2.7	2.9	3.2	3	0.2	6.3	22.8	20	1.5
<a href="#">Lab038</a>	2	12.8	14.1	4	1.0	7.1	24.3	20	1.4	2.9	4.0	4	0.6	15.0	67.9	20	-1.2
Total	-	-	11.7	868	1.9	16.2	-	-	-	-	2.8	868	0.7	25.0	-	-	-

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 :

Select Reagent Kit :

### Control N Month vs. Cumulative

		Control N (Lot No.: AC1203N)															
		Month (2015/06)								CUM (2014/02/01~2015/06/30)							
UnitID <span style="font-size: small;">↑</span>	Reagent Kit (Code) <span style="font-size: small;">↑</span>	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	13.8	36	1.6	11.6	26.0	20	1.5
<a href="#">Lab018</a>	2	11.8	11.9	4	1.5	12.6	26.1	20	1.5	11.8	10.5	49	1.7	16.2	43.4	20	0.6
<a href="#">Lab019</a>	2	12.9	14.0	4	1.2	8.6	25.7	20	1.3	12.9	11.9	68	1.3	10.9	29.6	20	1.1
<a href="#">Lab021</a>	2	14.2	14.2	5	0.2	1.4	2.8	20	>6	14.2	14.2	14	0.2	1.4	2.8	20	>6
<a href="#">Lab024</a>	2	11.6	10.9	8	0.2	1.8	9.7	20	>6	11.6	11.1	39	1.3	11.7	27.7	20	1.3
<a href="#">Lab026</a>	2	14.2	11.0	12	0.8	7.3	37.1	20	-0.3	14.2	11.4	174	1.7	14.9	49.5	20	0.0
<a href="#">Lab027</a>	2	12.3	12.9	9	1.3	10.1	25.0	20	1.5	12.3	11.7	104	1.7	14.5	33.9	20	1.0
<a href="#">Lab028</a>	2	14.2	14.6	13	0.8	5.5	13.8	20	3.1	14.2	13.5	100	1.4	10.4	25.7	20	1.4
<a href="#">Lab031</a>	2	12.8	10.3	4	0.6	5.8	31.2	20	0.1	12.8	9.9	45	1.4	14.1	50.9	20	-0.2
<a href="#">Lab032</a>	2	13.8	13.6	9	0.7	5.1	11.7	20	3.6	13.8	10.7	133	1.7	15.9	54.2	20	-0.2
<a href="#">Lab033</a>	2	12.9	12.8	4	1.0	7.8	16.4	20	2.5	12.9	12.0	66	1.1	9.2	25.3	20	1.4
<a href="#">Lab034</a>	2	12.8	12.3	4	0.3	2.4	8.8	20	>6	12.8	12.6	18	0.4	3.2	7.9	20	5.8
<a href="#">Lab035</a>	2	12.8	12.5	4	0.2	1.6	5.5	20	>6	12.8	12.9	15	1.1	8.5	17.8	20	2.3
<a href="#">Lab037</a>	2	12.8	12.0	1	-	-	-	20	-	12.8	12.9	3	0.9	7.0	14.7	20	2.7
<a href="#">Lab038</a>	2	12.8	14.1	4	1.0	7.1	24.3	20	1.4	12.8	14.1	4	1.0	7.1	24.3	20	1.4
<b>Total</b>	-	-	12.7	85	1.6	12.6	-	-	-	-	11.7	868	1.9	16.2	-	-	-

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

Month :

Cumulative : from    to

[TOP](#)

### Control D Month vs. Cumulative

		Control D (Lot No.: AC1203D)															
		Month (2015/06)								CUM (2014/02/01~2015/06/30)							
UnitID <span style="font-size: small;">↑</span>	Reagent Kit (Code) <span style="font-size: small;">↑</span>	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	3.9	36	1.4	35.9	90.0	20	0.1
<a href="#">Lab018</a>	2	2.8	2.8	4	0.5	17.9	35.7	20	1.1	2.8	2.4	49	1.2	50.0	114.3	20	0.1
<a href="#">Lab019</a>	2	3.0	3.3	4	0.3	9.1	28.2	20	1.1	3.0	2.7	68	0.4	14.8	39.6	20	0.7
<a href="#">Lab021</a>	2	3.3	3.4	5	0.1	2.9	8.9	20	5.9	3.3	3.5	14	0.1	2.9	11.8	20	4.8
<a href="#">Lab024</a>	2	2.7	2.8	8	0.1	3.6	10.8	20	4.5	2.7	2.7	39	0.4	14.8	29.6	20	1.4
<a href="#">Lab026</a>	2	3.3	2.7	12	0.3	11.1	40.4	20	0.2	3.3	2.8	174	0.5	17.9	50.9	20	0.3
<a href="#">Lab027</a>	2	2.9	2.8	9	0.4	14.3	32.0	20	1.2	2.9	2.7	104	0.5	18.5	43.9	20	0.7
<a href="#">Lab028</a>	2	3.3	3.5	13	0.5	14.3	34.6	20	1.0	3.3	3.3	100	0.8	24.2	48.5	20	0.8
<a href="#">Lab031</a>	2	2.9	2.6	4	0.5	19.2	48.8	20	0.5	2.9	2.4	45	0.4	16.7	50.6	20	0.2
<a href="#">Lab032</a>	2	3.5	3.3	9	0.2	6.1	17.8	20	2.3	3.5	2.5	133	0.5	20.0	68.6	20	-0.4
<a href="#">Lab033</a>	2	3.0	3.1	4	0.2	6.5	16.2	20	2.6	3.0	2.9	66	0.3	10.3	24.0	20	1.6
<a href="#">Lab034</a>	2	2.9	3.1	4	0.2	6.5	19.8	20	2.0	2.9	3.1	18	0.2	6.5	19.8	20	2.0
<a href="#">Lab035</a>	2	2.9	2.8	4	0.1	3.6	10.6	20	4.6	2.9	3.1	15	0.4	12.9	32.7	20	1.0
<a href="#">Lab037</a>	2	2.9	3.2	1	-	-	-	20	-	2.9	3.2	3	0.2	6.3	22.8	20	1.5
<a href="#">Lab038</a>	2	2.9	4.0	4	0.6	15.0	67.9	20	-1.2	2.9	4.0	4	0.6	15.0	67.9	20	-1.2
<b>Total</b>	-	-	3.1	85	0.5	16.1	-	-	-	-	2.8	868	0.7	25.0	-	-	-

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

Month :

Cumulative : from    to

[TOP](#)

Reagent Kit	Reagent Code
AMP	2