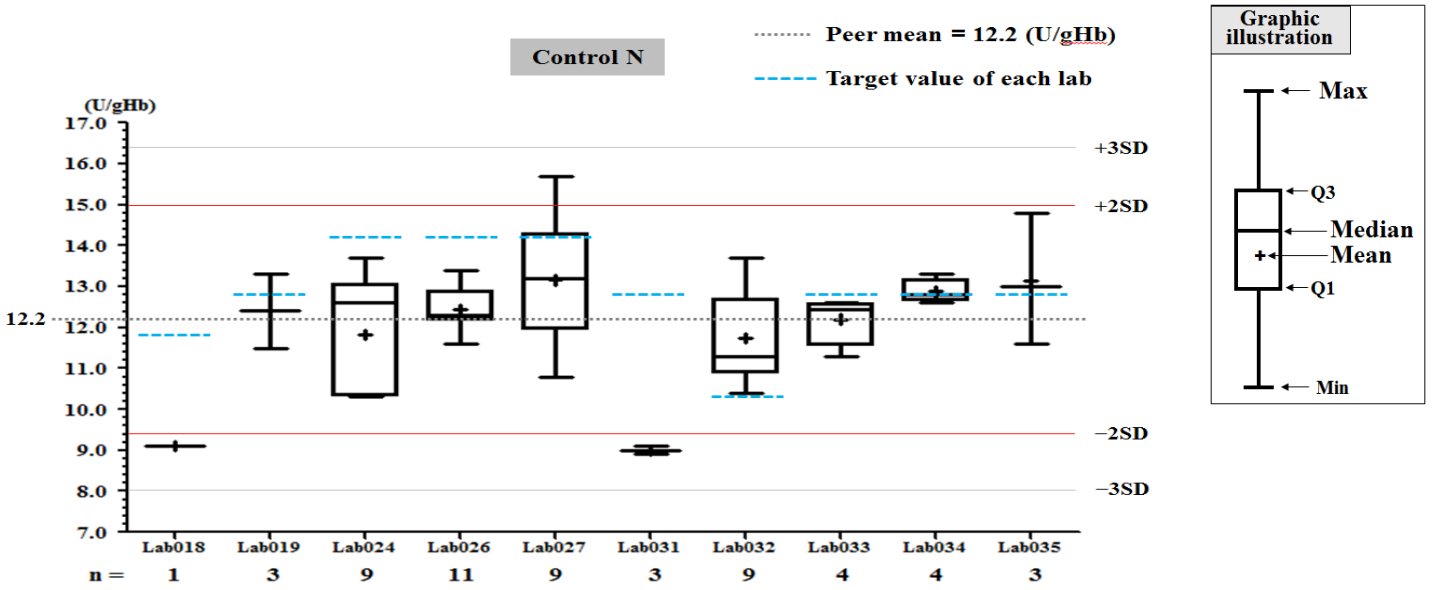
Summary Report of IQC program for G6PD Quantitative Test
- March 2015 -

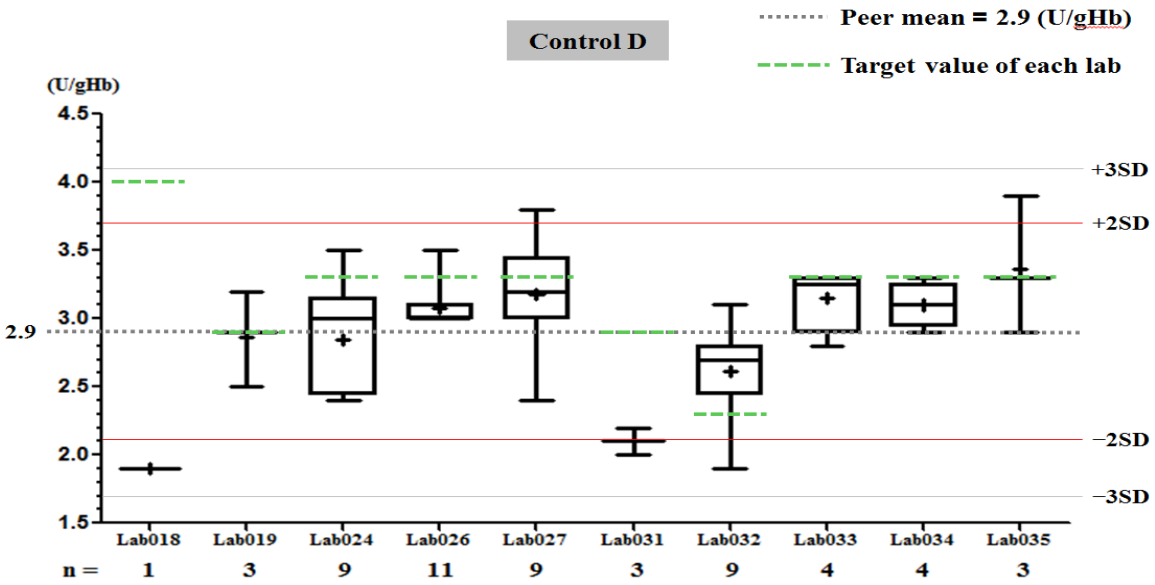
I. The statistic results of all laboratories in this month

G6PD	Control N (Lot No.:AC1203N)	Control D (Lot No.:AC1203D)
Labs	10	10
Received results number (n)	56	56
Median	12.5 (U/gHb)	3.0 (U/gHb)
Mean	12.2 (U/gHb)	2.9 (U/gHb)
SD	1.4	0.4
CV	11.5%	13.8%
Range of G6PD	8.9 ~ 15.7 (U/gHb)	1.9 ~ 3.9 (U/gHb)
Range of Hb	1.9 ~ 3.0 (g/dL)	1.5 ~ 3.3 (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





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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 03 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
Lab018	2	11.8	9.1	1	-	-	-	20	-	4.0	1.9	1	-	-	-	20	-
Lab019	2	12.8	12.4	3	0.9	7.3	17.6	20	2.3	2.9	2.9	3	0.4	13.8	27.6	20	1.4
Lab024	2	11.6	11.8	9	1.4	11.9	25.5	17	1.3	2.7	2.8	9	0.4	14.3	32.3	17	0.9
Lab026	2	14.2	12.4	11	0.5	4.0	20.7	20	1.8	3.3	3.1	11	0.2	6.5	19.0	20	2.1
Lab027	2	14.2	13.2	9	1.5	11.4	29.8	20	1.1	3.3	3.2	9	0.4	12.5	28.0	20	1.4
Lab031	2	12.8	9.0	3	0.1	1.1	31.9	20	-8.8	2.9	2.1	3	0.1	4.8	37.1	20	-1.6
Lab032	2	13.8	11.7	9	1.1	9.4	34.0	20	0.5	3.5	2.6	9	0.3	11.5	48.8	20	-0.5
Lab033	2	12.8	12.2	4	0.6	4.9	14.5	20	3.1	2.9	3.2	4	0.2	6.3	22.8	20	1.5
Lab034	2	12.8	12.9	4	0.3	2.3	5.4	20	>6	2.9	3.1	4	0.2	6.5	19.8	20	2.0
Lab035	2	12.8	13.1	3	1.6	12.2	26.8	20	1.4	2.9	3.4	3	0.5	14.7	46.7	20	0.2
Total	-	-	12.2	56	1.4	11.5	-	-	-	-	2.9	56	0.4	13.8	-	-	-

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 2015 03 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	16.5	1	-	-	-	20	-	3.3	5.2	1	-	-	-	20	-
Lab018	2	11.8	10.1	38	1.7	16.8	48.1	20	0.3	4.0	2.3	38	1.4	60.9	164.2	20	-0.4
Lab019	2	12.8	11.6	55	1.1	9.5	28.3	20	1.1	2.9	2.6	55	0.3	11.5	33.4	20	0.8
Lab024	2	11.6	10.7	19	1.5	14.0	35.8	17	0.7	2.7	2.6	19	0.5	19.2	42.2	17	0.7
Lab026	2	14.2	11.7	143	1.4	12.0	41.5	20	0.2	3.3	2.8	143	0.5	17.9	50.9	20	0.3
Lab027	2	14.2	11.5	79	1.6	13.9	46.8	20	0.1	3.3	2.7	79	0.5	18.5	55.2	20	0.1
Lab028	2	14.2	13.1	68	1.4	10.7	29.1	20	1.1	3.3	3.2	68	0.8	25.0	53.0	20	0.7
Lab031	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
Lab032	2	13.8	10.1	109	1.3	12.9	52.6	20	-0.5	3.5	2.3	109	0.4	17.4	69.1	20	-0.8
Lab033	2	12.8	11.8	53	0.9	7.6	23.1	20	1.6	2.9	2.9	53	0.3	10.3	20.7	20	1.9
Lab034	2	12.8	12.7	6	0.4	3.1	7.1	20	>6	2.9	3.1	6	0.1	3.2	13.3	20	4.1
Lab035	2	12.8	13.1	4	1.3	9.9	22.2	20	1.8	2.9	3.4	4	0.4	11.8	40.8	20	0.2
Total	-	-	11.3	616	1.7	15.0	-	-	-	-	2.7	616	0.6	22.2	-	-	-

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 (2015/03)								CUM (2014/02/01~2015/03/31)							
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	16.5	1	-	-	-	20	-
Lab018	2	11.8	9.1	1	-	-	-	20	-	11.8	10.1	38	1.7	16.8	48.1	20	0.3
Lab019	2	12.8	12.4	3	0.9	7.3	17.6	20	2.3	12.8	11.6	55	1.1	9.5	28.3	20	1.1
Lab024	2	11.6	11.8	9	1.4	11.9	25.5	17	1.3	11.6	10.7	19	1.5	14.0	35.8	17	0.7
Lab026	2	14.2	12.4	11	0.5	4.0	20.7	20	1.8	14.2	11.7	143	1.4	12.0	41.5	20	0.2
Lab027	2	14.2	13.2	9	1.5	11.4	29.8	20	1.1	14.2	11.5	79	1.6	13.9	46.8	20	0.1
Lab028	2	14.2	-	0	-	-	-	20	-	14.2	13.1	68	1.4	10.7	29.1	20	1.1
Lab031	2	12.8	9.0	3	0.1	1.1	31.9	20	-8.8	12.8	9.9	41	1.5	15.2	53.0	20	-0.2
Lab032	2	13.8	11.7	9	1.1	9.4	34.0	20	0.5	13.8	10.1	109	1.3	12.9	52.6	20	-0.5
Lab033	2	12.8	12.2	4	0.6	4.9	14.5	20	3.1	12.8	11.8	53	0.9	7.6	23.1	20	1.6
Lab034	2	12.8	12.9	4	0.3	2.3	5.4	20	>6	12.8	12.7	6	0.4	3.1	7.1	20	>6
Lab035	2	12.8	13.1	3	1.6	12.2	26.8	20	1.4	12.8	13.1	4	1.3	9.9	22.2	20	1.8
Total	-	-	12.2	56	1.4	11.5	-	-	-	-	11.3	616	1.7	15.0	-	-	-

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

Month : 2015 03 Change Cumulative : from 2014 02 01 to 2015 03 31 Change

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Control D Month vs. Cumulative

		Control D (Lot No.: AC1203D)															
		Month (2015/03)								CUM (2014/02/01~2015/03/31)							
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	5.2	1	-	-	-	20	-
Lab018	2	4.0	1.9	1	-	-	-	20	-	4.0	2.3	38	1.4	60.9	164.2	20	-0.4
Lab019	2	2.9	2.9	3	0.4	13.8	27.6	20	1.4	2.9	2.6	55	0.3	11.5	33.4	20	0.8
Lab024	2	2.7	2.8	9	0.4	14.3	32.3	17	0.9	2.7	2.6	19	0.5	19.2	42.2	17	0.7
Lab026	2	3.3	3.1	11	0.2	6.5	19.0	20	2.1	3.3	2.8	143	0.5	17.9	50.9	20	0.3
Lab027	2	3.3	3.2	9	0.4	12.5	28.0	20	1.4	3.3	2.7	79	0.5	18.5	55.2	20	0.1
Lab028	2	3.3	-	0	-	-	-	20	-	3.3	3.2	68	0.8	25.0	53.0	20	0.7
Lab031	2	2.9	2.1	3	0.1	4.8	37.1	20	-1.6	2.9	2.3	41	0.4	17.4	55.5	20	0.0
Lab032	2	3.5	2.6	9	0.3	11.5	48.8	20	-0.5	3.5	2.3	109	0.4	17.4	69.1	20	-0.8
Lab033	2	2.9	3.2	4	0.2	6.3	22.8	20	1.5	2.9	2.9	53	0.3	10.3	20.7	20	1.9
Lab034	2	2.9	3.1	4	0.2	6.5	19.8	20	2.0	2.9	3.1	6	0.1	3.2	13.3	20	4.1
Lab035	2	2.9	3.4	3	0.5	14.7	46.7	20	0.2	2.9	3.4	4	0.4	11.8	40.8	20	0.2
Total	-	-	2.9	56	0.4	13.8	-	-	-	-	2.7	616	0.6	22.2	-	-	-

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

Month : 2015 03 Change Cumulative : from 2014 02 01 to 2015 03 31 Change

[TOP]

Reagent Kit	Reagent Code
AMP	2