

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

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

[Print Table](#)

## Lab028

QC Control Lot No.	Control N		Control D	
	AC1203N		AC1203D	
Duration of the Analyzing	Month (2018/02)	CUM (2018/01/01~2018/02/28)	Month (2018/02)	CUM (2018/01/01~2018/02/28)
Runs (N)	12	23	12	23
Mean (U/gHb)	15.4	15.0	3.7	3.6
SD	0.7	0.9	0.2	0.2
CV (%)	4.5	6.0	5.4	5.6
Target Value (U/gHb)	14.2	14.2	3.3	3.3
Total Error (%)	17.5	17.6	22.9	20.2
TEa (%)	20	20	20	20
$\sigma$	2.6	2.4	1.5	1.9

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

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

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

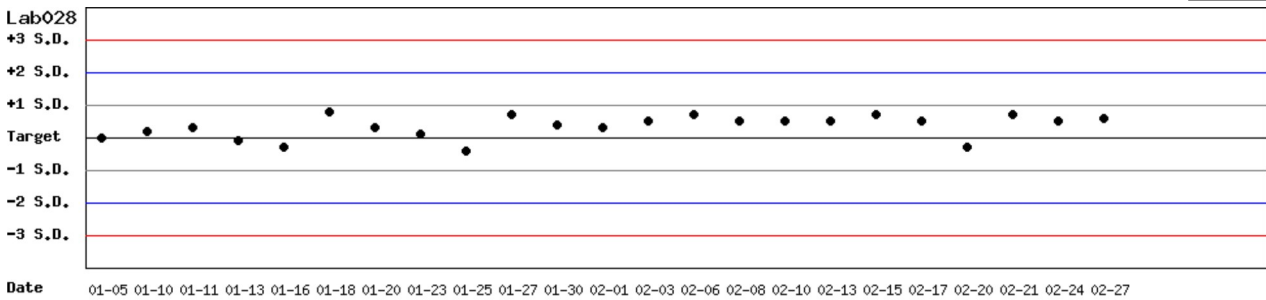
Month : 2018 02 [Change](#) ; Cumulative : from 2018 01 01 to 2018 02 28 [Change](#)

[TOP](#)

## Control N SDI QC Chart

Lot No.: AC1203N ; Duration : 2018-01-01 to 2018-02-28 ; Target : 14.2 ; SD : 2.6

Lab028



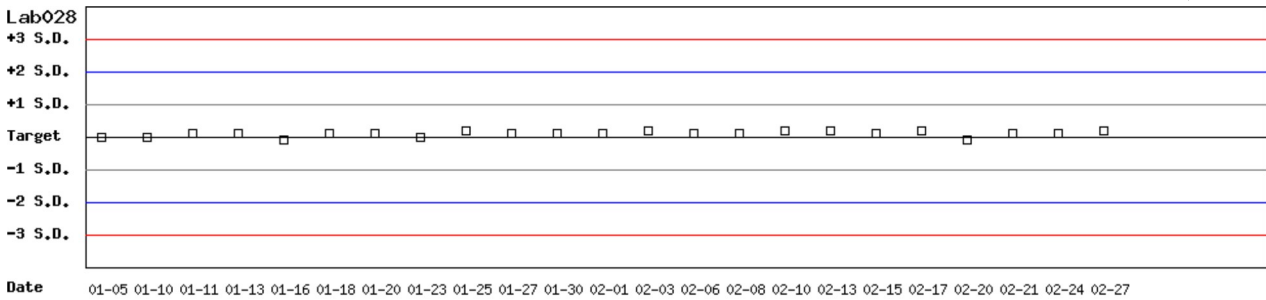
Month : 2018 02 [Change](#) ; Cumulative : from 2018 01 01 to 2018 02 28 [Change](#)

[TOP](#)

## Control D SDI QC Chart

Lot No.: AC1203D ; Duration : 2018-01-01 to 2018-02-28 ; Target : 3.3 ; SD : 3.1

Lab028



Month : 2018 02 [Change](#) ; Cumulative : from 2018 01 01 to 2018 02 28 [Change](#)

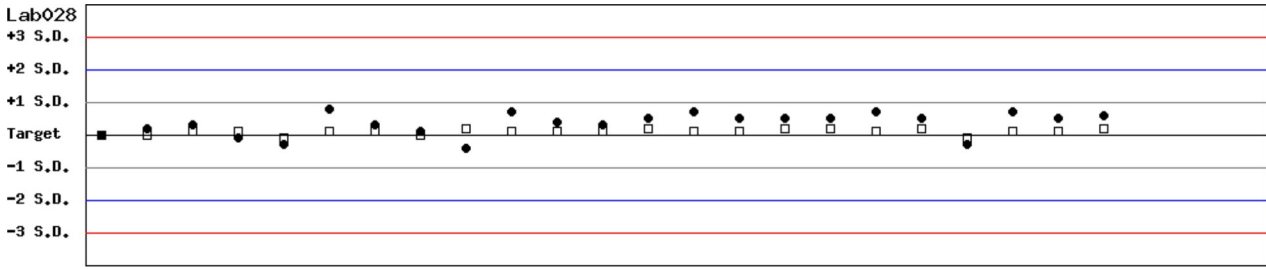
[TOP](#)

## Control N and Control D SDI QC Chart

Lot No.: AC1203N ; Duration : 2018-01-01 to 2018-02-28 ; Target : 14.2 ; SD : 2.6 ( ● )

Lot No.: AC1203D ; Duration : 2018-01-01 to 2018-02-28 ; Target : 3.3 ; SD : 3.1 ( □ )

Lab028



Date 01-05 01-10 01-11 01-13 01-16 01-18 01-20 01-23 01-25 01-27 01-30 02-01 02-03 02-06 02-08 02-10 02-13 02-15 02-17 02-20 02-21 02-24 02-27

Month : 2018 02 Change ; Cumulative : from 2018 01 01 to 2018 02 28 Change

[TOP](#)

# Peer Group Statistics (Table 1)

Select LotNo :

Select Reagent Kit :

## Monthly

Month :

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="#">Lab019</a>	5	14.8	15.0	8	0.7	4.7	10.7	20	4.0	3.4	3.7	8	0.7	18.9	46.7	20	0.6
<a href="#">Lab020</a>	5	14.2	15.6	2	-	-	-	20	-	3.3	3.5	2	-	-	-	20	-
<a href="#">Lab028</a>	5	14.2	15.4	12	0.7	4.5	17.5	20	2.6	3.3	3.7	12	0.2	5.4	22.9	20	1.5
<a href="#">Lab037</a>	5	12.6	15.8	4	0.4	2.5	30.5	20	-2.2	3.0	3.6	4	0.1	2.8	25.6	20	0.0
Total	-	-	15.4	26	0.7	4.5	-	-	-	-	3.6	26	0.4	11.1	-	-	-

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

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

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

[TOP](#)

## Cumulative

Cumulative : from    to

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="#">Lab019</a>	5	14.8	14.8	28	0.7	4.7	9.5	20	4.3	3.4	3.5	28	0.4	11.4	25.8	20	1.5
<a href="#">Lab020</a>	5	14.2	15.3	8	0.3	2.0	11.7	20	>6	3.3	3.5	8	0.1	2.9	11.8	20	4.8
<a href="#">Lab026</a>	5	14.6	14.7	16	0.5	3.4	7.5	36	>6	3.2	3.2	16	0.1	3.1	6.3	36	>6
<a href="#">Lab028</a>	5	14.2	15.0	23	0.9	6.0	17.6	20	2.4	3.3	3.6	23	0.2	5.6	20.2	20	1.9
<a href="#">Lab037</a>	5	12.6	15.6	14	0.5	3.2	30.2	20	-1.2	3.0	3.5	14	0.1	2.9	22.4	20	1.1
<a href="#">Lab041</a>	5	12.8	12.9	1	-	-	-	20	-	2.9	3.2	1	-	-	-	20	-
Total	-	-	15.0	90	0.8	5.3	-	-	-	-	3.5	90	0.3	8.6	-	-	-

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

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

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

[TOP](#)

Reagent Kit	Reagent Code
Medicon	5

## Peer Group Statistics (Table 2)

Select LotNo :

Select Reagent Kit :

### Control N Month vs. Cumulative

		Control N (Lot No.: AC1203N)															
		Month (2018/02)								CUM (2014/02/01~2018/02/28)							
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="#">Lab019</a>	5	14.8	15.0	8	0.7	4.7	10.7	20	4.0	14.8	14.8	28	0.7	4.7	9.5	20	4.3
<a href="#">Lab020</a>	5	14.2	15.6	2	-	-	-	20	-	14.2	15.3	8	0.3	2.0	11.7	20	>6
<a href="#">Lab026</a>	5	14.6	-	0	-	-	-	36	-	14.6	14.7	16	0.5	3.4	7.5	36	>6
<a href="#">Lab028</a>	5	14.2	15.4	12	0.7	4.5	17.5	20	2.6	14.2	15.0	23	0.9	6.0	17.6	20	2.4
<a href="#">Lab037</a>	5	12.6	15.8	4	0.4	2.5	30.5	20	-2.2	12.6	15.6	14	0.5	3.2	30.2	20	-1.2
<a href="#">Lab041</a>	5	12.8	-	0	-	-	-	20	-	12.8	12.9	1	-	-	-	20	-
<b>Total</b>	-	-	15.4	26	0.7	4.5	-	-	-	-	15.0	90	0.8	5.3	-	-	-

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 (2018/02)								CUM (2014/02/01~2018/02/28)							
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="#">Lab019</a>	5	3.4	3.7	8	0.7	18.9	46.7	20	0.6	3.4	3.5	28	0.4	11.4	25.8	20	1.5
<a href="#">Lab020</a>	5	3.3	3.5	2	-	-	-	20	-	3.3	3.5	8	0.1	2.9	11.8	20	4.8
<a href="#">Lab026</a>	5	3.2	-	0	-	-	-	36	-	3.2	3.2	16	0.1	3.1	6.3	36	>6
<a href="#">Lab028</a>	5	3.3	3.7	12	0.2	5.4	22.9	20	1.5	3.3	3.6	23	0.2	5.6	20.2	20	1.9
<a href="#">Lab037</a>	5	3.0	3.6	4	0.1	2.8	25.6	20	0.0	3.0	3.5	14	0.1	2.9	22.4	20	1.1
<a href="#">Lab041</a>	5	2.9	-	0	-	-	-	20	-	2.9	3.2	1	-	-	-	20	-
<b>Total</b>	-	-	3.6	26	0.4	11.1	-	-	-	-	3.5	90	0.3	8.6	-	-	-

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
Medicon	5