

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

Select LotNo : AH1220N (2019-01-28 ~ 2100-12-31) [Change](#)

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Lab008

	Control N		Control D	
QC Control Lot No.	AH1220N		AH1220D	
Duration of the Analyzing	Month (2019/02)	CUM (2019/02/01~2019/02/28)	Month (2019/02)	CUM (2019/02/01~2019/02/28)
Runs (N)	5	5	5	5
Mean (U/gHb)	16.0	16.0	5.0	5.0
SD	0.5	0.5	0.1	0.1
CV (%)	3.1	3.1	2.0	2.0
Target Value (U/gHb)	14.4	14.4	5.3	5.3
Total Error (%)	17.4	17.4	9.7	9.7
TEa (%)	20	20	20	20
σ	2.9	2.9	>6	>6

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

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

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

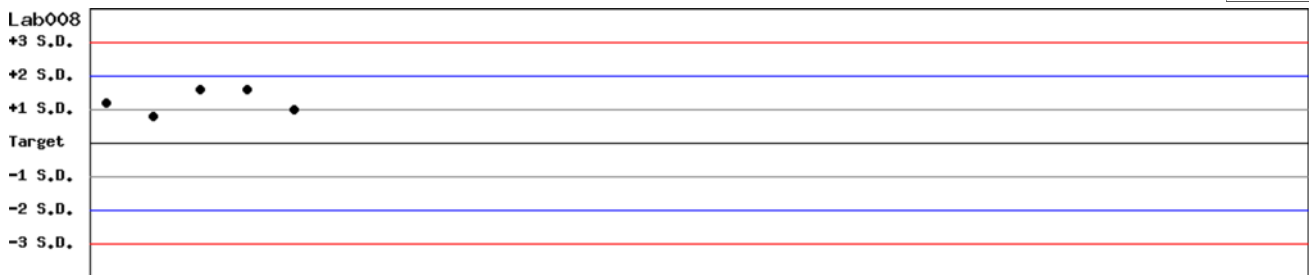
Month : 2019 02 [Change](#) ; Cumulative : from 2019 02 01 to 2019 02 28 [Change](#)

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Control N SDI QC Chart

Lot No.: AH1220N ; Duration : 2019-02-01 to 2019-02-28 ; Target : 14.4 ; SD : 1.30

Lab008



Date 02-13 02-17 02-20 02-23 02-27

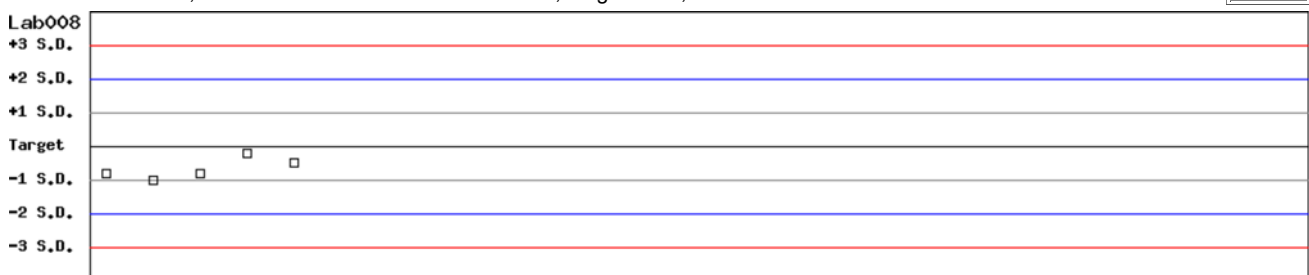
Month : 2019 02 [Change](#) ; Cumulative : from 2019 02 01 to 2019 02 28 [Change](#)

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Control D SDI QC Chart

Lot No.: AH1220D ; Duration : 2019-02-01 to 2019-02-28 ; Target : 5.3 ; SD : 0.40

Lab008



Date 02-13 02-17 02-20 02-23 02-27

Month : 2019 02 [Change](#) ; Cumulative : from 2019 02 01 to 2019 02 28 [Change](#)

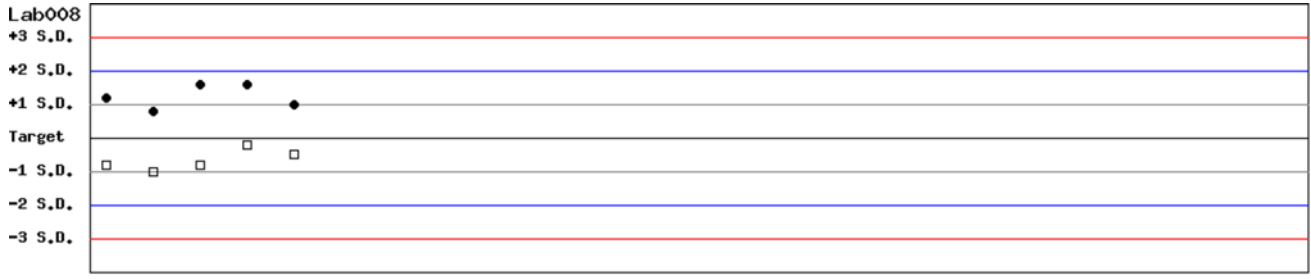
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Control N and Control D SDI QC Chart

Lot No.: AH1220N ; Duration : 2019-02-01 to 2019-02-28 ; Target : 14.4 ; SD : 1.30 (●)

Lot No.: AH1220D ; Duration : 2019-02-01 to 2019-02-28 ; Target : 5.3 ; SD : 0.40 (□)

Lab008



Date 02-13 02-17 02-20 02-23 02-27

Month : 2019 02 ; Cumulative : from 2019 02 01 to 2019 02 28

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各檢驗單位 G6PD 定量檢驗 內部品管統計結果 (總表一)

選擇 LotNo : AH1220N (2019-01-28 ~ 2100-12-31) Change

選擇 Reagent Kit : 4 - Lanner Change

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月統計表

統計月份 : 2019 02 Change

		Control N (Lot No.: AH1220N)								Control D (Lot No.: AH1220D)							
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
Lab008	4	14.4	16.0	5	0.5	3.1	17.4	20	2.9	5.3	5.0	5	0.1	2.0	9.7	20	>6
Total	-	-	16.0	5	0.5	3.1	-	-	-	-	5.0	5	0.1	2.0	-	-	-

誤差 (Bias)% = { [| 累計平均值 (Mean) - 目標值 (Target) |] / 目標值 (Target) } x 100%
 總誤差 (TE, Total Error)% = 誤差 (Bias)% + 2 × 累計變異係數 (CV)
 σ (Sigma) = (TEa% - 誤差 (Bias)%) / 累計變異係數 (CV)

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累計統計表

累計期間 : 自 2019 02 01 至 2019 02 28 Change

		Control N (Lot No.: AH1220N)								Control D (Lot No.: AH1220D)							
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
Lab008	4	14.4	16.0	5	0.5	3.1	17.4	20	2.9	5.3	5.0	5	0.1	2.0	9.7	20	>6
Total	-	-	16.0	5	0.5	3.1	-	-	-	-	5.0	5	0.1	2.0	-	-	-

誤差 (Bias)% = { [| 累計平均值 (Mean) - 目標值 (Target) |] / 目標值 (Target) } x 100%
 總誤差 (TE, Total Error)% = 誤差 (Bias)% + 2 × 累計變異係數 (CV)
 σ (Sigma) = (TEa% - 誤差 (Bias)%) / 累計變異係數 (CV)

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Reagent Kit	Reagent Code
Lanner	4

各檢驗單位 G6PD 定量檢驗 內部品管統計結果 (總表二)

選擇 LotNo :

選擇 Reagent Kit :

Control N 月統計與累計統計 之比較表

Control N (Lot No.: AH1220N)																	
Month (2019/02)										CUM (2019/02/01~2019/02/28)							
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
Lab008	4	14.4	16.0	5	0.5	3.1	17.4	20	2.9	14.4	16.0	5	0.5	3.1	17.4	20	2.9
Total	-	-	16.0	5	0.5	3.1	-	-	-	-	16.0	5	0.5	3.1	-	-	-

誤差 (Bias)% = { [| 累計平均值 (Mean) - 目標值 (Target) |] / 目標值 (Target) } x 100%

總誤差 (TE, Total Error)% = 誤差 (Bias)% + 2 × 累計變異係數 (CV)

σ (Sigma) = (TEa% - 誤差 (Bias)%) / 累計變異係數 (CV)

月統計 : 累計期間 (CUM) : 自 至

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Control D 月統計與累計統計 之比較表

Control D (Lot No.: AH1220D)																	
Month (2019/02)										CUM (2019/02/01~2019/02/28)							
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
Lab008	4	5.3	5.0	5	0.1	2.0	9.7	20	>6	5.3	5.0	5	0.1	2.0	9.7	20	>6
Total	-	-	5.0	5	0.1	2.0	-	-	-	-	5.0	5	0.1	2.0	-	-	-

誤差 (Bias)% = { [| 累計平均值 (Mean) - 目標值 (Target) |] / 目標值 (Target) } x 100%

總誤差 (TE, Total Error)% = 誤差 (Bias)% + 2 × 累計變異係數 (CV)

σ (Sigma) = (TEa% - 誤差 (Bias)%) / 累計變異係數 (CV)

月統計 : 累計期間 (CUM) : 自 至

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Reagent Kit	Reagent Code
Lanner	4