

G6PD 定量檢驗內部品管統計結果及 SDI 分佈圖

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

[列印圖表](#)

檢驗單位 : Lab022

QC Control Lot No.	Control N		Control D	
	AH1220N		AH1220D	
檢驗期間	Month (2020/01)	CUM (2019/08/01~2020/01/31)	Month (2020/01)	CUM (2019/08/01~2020/01/31)
累計點數 (N)	5	26	5	26
累計平均值 (Mean) U/gHb	12.0	12.3	3.9	4.0
累計標準差 (SD)	0.5	0.3	0.1	0.1
累計變異係數 (CV) %	4.2	2.4	2.6	2.5
目標值 (Target) U/gHb	12.4	12.4	4.1	4.1
總誤差 (TE) %	11.6	5.7	10.0	7.4
可容許總誤差 (TEa) %	20	20	20	20
σ	4.0	>6	5.8	>6

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

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)

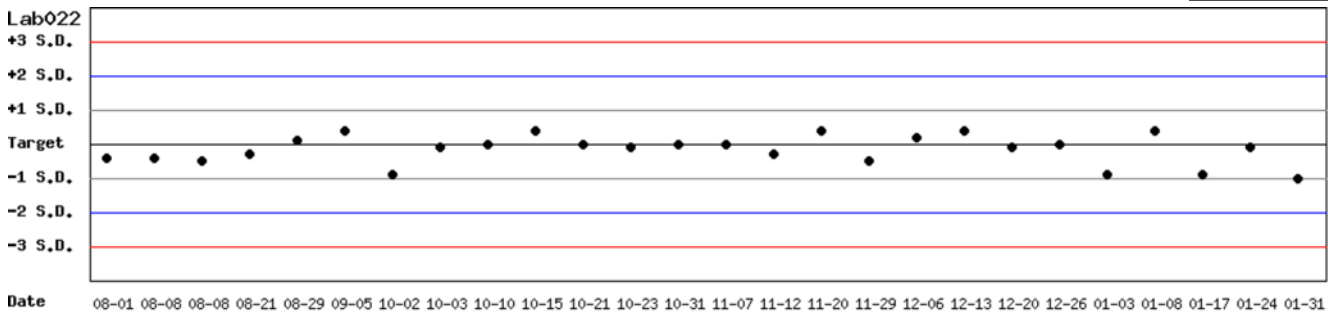
月統計 : 2020 01 [Change](#) ; 累計期間 (CUM) : 自 2019 08 01 至 2020 01 31 [Change](#)

[\[TOP\]](#)

Control N SDI 分佈圖

Lot No.: AH1220N ; 檢驗期間 : 2019-08-01 至 2020-01-31 ; 目標值 (Target) : 12.4 ; 參考標準差 (SD) : 0.8

單位 : Lab022



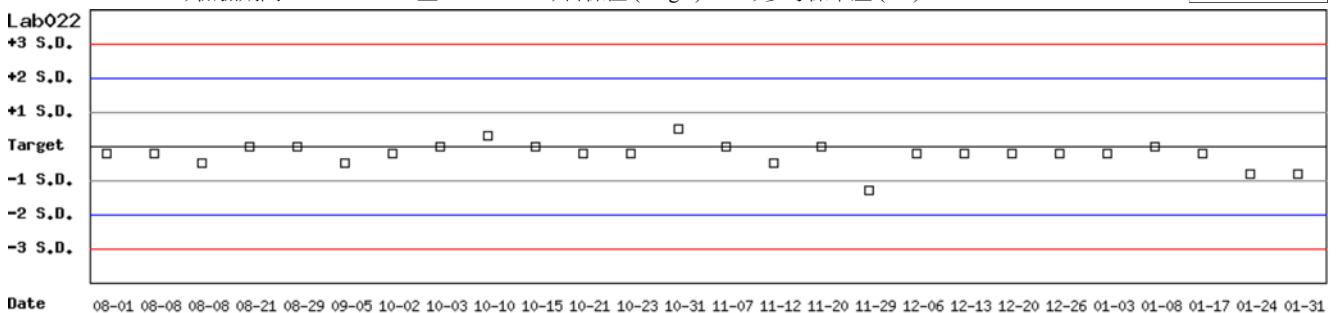
月統計 : 2020 01 [Change](#) ; 累計期間 (CUM) : 自 2019 08 01 至 2020 01 31 [Change](#)

[\[TOP\]](#)

Control D SDI 分佈圖

Lot No.: AH1220D ; 檢驗期間 : 2019-08-01 至 2020-01-31 ; 目標值 (Target) : 4.1 ; 參考標準差 (SD) : 0.4

單位 : Lab022



月統計 : 2020 01 [Change](#) ; 累計期間 (CUM) : 自 2019 08 01 至 2020 01 31 [Change](#)

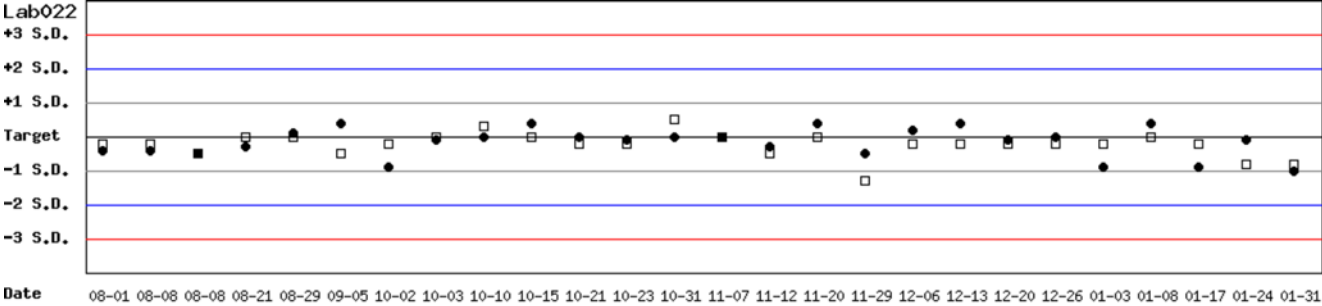
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Control N 及 Control D SDI 分佈圖

Lot No.: AH1220N ; 檢驗期間 : 2019-08-01 至 2020-01-31 ; 目標值 (Target) : 12.4 ; 參考標準差 (SD) : 0.8 (●)

Lot No.: AH1220D ; 檢驗期間 : 2019-08-01 至 2020-01-31 ; 目標值 (Target) : 4.1 ; 參考標準差 (SD) : 0.4 (□)

單位 : Lab022



月統計 : 2020 01 Change ; 累計期間 (CUM) : 自 2019 08 01 至 2020 01 31 Change

Peer Group Statistics (Table 1)

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

Select Reagent Kit : 5 - Medicon

Monthly

Month : 2020 01

UnitID <input type="button" value="↑"/>	Reagent Kit (Code) <input type="button" value="↑"/>	Control N (Lot No.: AH1220N)								Control D (Lot No.: AH1220D)							
		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
Lab022	5	12.4	12.0	5	0.5	4.2	11.6	20	4.0	4.1	3.9	5	0.1	2.6	10.0	20	5.8
Lab032	5	15.3	14.2	6	0.2	1.4	10.0	20	>6	5.2	4.3	6	0.1	2.3	22.0	20	1.2
Lab033	5	12.4	12.3	7	0.3	2.4	5.7	20	>6	3.9	3.8	7	0.1	2.6	7.8	20	>6
Lab037	5	15.3	15.6	3	0.3	1.9	5.8	20	>6	5.2	4.8	3	0.1	2.1	11.9	20	5.9
Total	-	-	13.2	21	1.4	10.6	-	-	-	-	4.1	21	0.4	9.8	-	-	-

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

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

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

[TOP](#)

Cumulative

Cumulative : from 2019 02 01 to 2020 01 31

UnitID <input type="button" value="↑"/>	Reagent Kit (Code) <input type="button" value="↑"/>	Control N (Lot No.: AH1220N)								Control D (Lot No.: AH1220D)							
		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
Lab020	5	15.9	15.3	16	0.6	3.9	11.6	20	4.2	5.2	4.7	16	0.2	4.3	18.1	20	2.4
Lab022	5	12.4	12.3	38	0.3	2.4	5.7	20	>6	4.1	4.0	38	0.1	2.5	7.4	20	>6
Lab032	5	15.3	14.4	43	0.5	3.5	12.8	20	4.0	5.2	4.5	43	0.5	11.1	35.7	20	0.6
Lab033	5	12.4	12.5	45	0.4	3.2	7.2	20	6.0	3.9	3.8	45	0.1	2.6	7.8	20	>6
Lab037	5	15.3	15.4	7	0.3	1.9	4.5	20	>6	5.2	4.8	7	0.1	2.1	11.9	20	5.9
Total	-	-	13.4	149	1.3	9.7	-	-	-	-	4.2	149	0.4	9.5	-	-	-

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

Select Reagent Kit : 5 - Medicon Change

Print Table 2

Control N Month vs. Cumulative

		Control N (Lot No.: AH1220N)															
		Month (2020/01)								CUM (2019/02/01~2020/01/31)							
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
Lab020	5	15.9	-	0	-	-	-	20	-	15.9	15.3	16	0.6	3.9	11.6	20	4.2
Lab022	5	12.4	12.0	5	0.5	4.2	11.6	20	4.0	12.4	12.3	38	0.3	2.4	5.7	20	>6
Lab032	5	15.3	14.2	6	0.2	1.4	10.0	20	>6	15.3	14.4	43	0.5	3.5	12.8	20	4.0
Lab033	5	12.4	12.3	7	0.3	2.4	5.7	20	>6	12.4	12.5	45	0.4	3.2	7.2	20	6.0
Lab037	5	15.3	15.6	3	0.3	1.9	5.8	20	>6	15.3	15.4	7	0.3	1.9	4.5	20	>6
Total	-	-	13.2	21	1.4	10.6	-	-	-	-	13.4	149	1.3	9.7	-	-	-

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

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

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

Month : 2020 01 Change Cumulative : from 2019 02 01 to 2020 01 31 Change

[TOP](#)

Control D Month vs. Cumulative

		Control D (Lot No.: AH1220D)															
		Month (2020/01)								CUM (2019/02/01~2020/01/31)							
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
Lab020	5	5.2	-	0	-	-	-	20	-	5.2	4.7	16	0.2	4.3	18.1	20	2.4
Lab022	5	4.1	3.9	5	0.1	2.6	10.0	20	5.8	4.1	4.0	38	0.1	2.5	7.4	20	>6
Lab032	5	5.2	4.3	6	0.1	2.3	22.0	20	1.2	5.2	4.5	43	0.5	11.1	35.7	20	0.6
Lab033	5	3.9	3.8	7	0.1	2.6	7.8	20	>6	3.9	3.8	45	0.1	2.6	7.8	20	>6
Lab037	5	5.2	4.8	3	0.1	2.1	11.9	20	5.9	5.2	4.8	7	0.1	2.1	11.9	20	5.9
Total	-	-	4.1	21	0.4	9.8	-	-	-	-	4.2	149	0.4	9.5	-	-	-

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

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

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

Month : 2020 01 Change Cumulative : from 2019 02 01 to 2020 01 31 Change

[TOP](#)

Reagent Kit	Reagent Code
Medicon	5