

G6PD 定量檢驗內部品管統計結果及 SDI 分佈圖

選擇 LotNo : BA1116N (2022-04-26 ~ 2100-12-31) Change

列印圖表

檢驗單位 : Lab027

QC Control Lot No.	Control N		Control D	
	BA1116N		BA1116D	
檢驗期間	Month (2023/11)	CUM (2023/02/23~2023/11/30)	Month (2023/11)	CUM (2023/02/23~2023/11/30)
累計點數 (N)	5	26	5	26
累計平均值 (Mean) U/gHb	15.6	15.0	5.0	4.9
累計標準差 (SD)	0.6	1.0	0.2	0.4
累計變異係數 (CV) %	3.8	6.7	4.0	8.2
目標值 (Target) U/gHb	12.8	12.8	4.2	4.2
總誤差 (TE) %	29.6	30.5	27.0	33.0
可容許總誤差 (TEa) %	20	20	20	20
σ	-0.5	0.4	0.2	0.4

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

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 : 2023 11 Change ; 累計期間 (CUM) : 自 2023 02 23 至 2023 11 30 Change

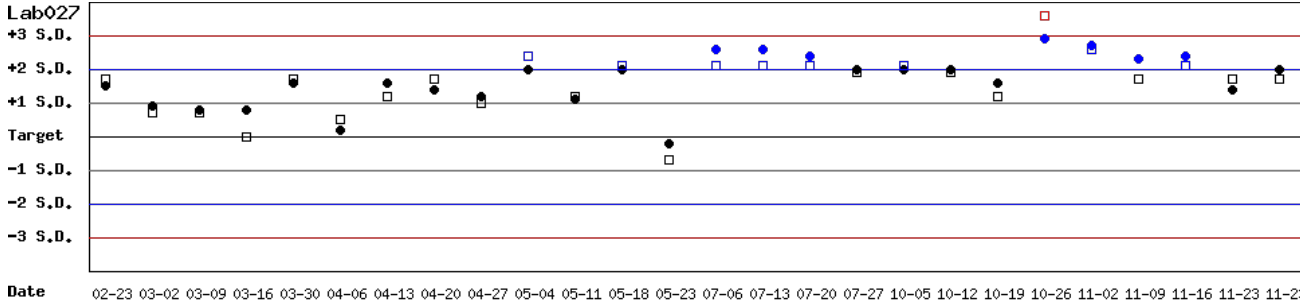
[TOP](#)

Control N 及 Control D SDI 分佈圖

Lot No.: BA1116N; 檢驗期間 : 2023-02-23 至 2023-11-30; 目標值 (Target) : 12.8; 參考標準差 (SD) : 1.28 (●)

Lot No.: BA1116D; 檢驗期間 : 2023-02-23 至 2023-11-30; 目標值 (Target) : 4.2; 參考標準差 (SD) : 0.42 (□)

單位 : Lab027



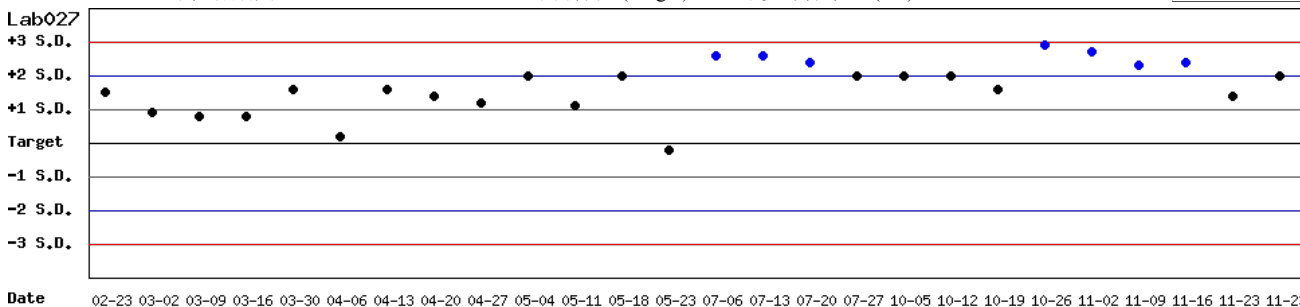
月統計 : 2023 11 Change ; 累計期間 (CUM) : 自 2023 02 23 至 2023 11 30 Change

[TOP](#)

Control N SDI 分佈圖

Lot No.: BA1116N; 檢驗期間 : 2023-02-23 至 2023-11-30; 目標值 (Target) : 12.8; 參考標準差 (SD) : 1.28

單位 : Lab027



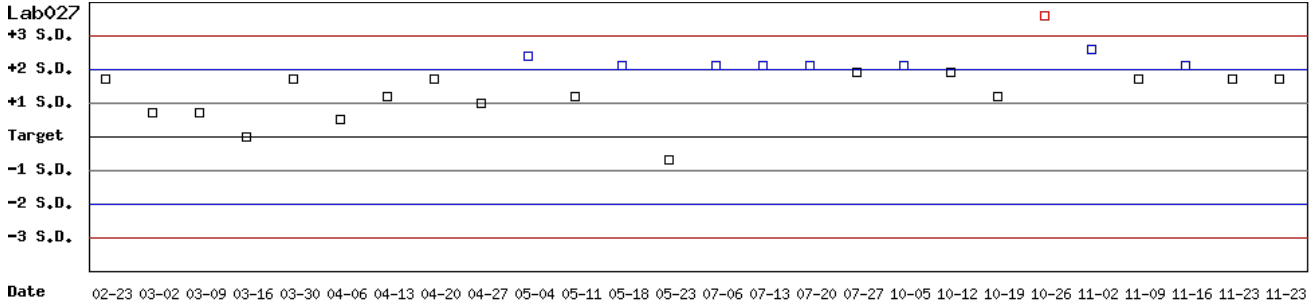
月統計 : 2023 11 Change ; 累計期間 (CUM) : 自 2023 02 23 至 2023 11 30 Change

[TOP](#)

Control D SDI 分佈圖

Lot No.: BA1116D ; 檢驗期間 : 2023-02-23 至 2023-11-30 ; 目標值 (Target) : 4.2 ; 參考標準差 (SD) : 0.42

單位 : Lab027



月統計 : 2023 11 Change ; 累計期間 (CUM) : 自 2023 02 23 至 2023 11 30 Change

[\[TOP\]](#)

Peer Group Statistics (Table 1)

Select LotNo : BA1116N (2022-04-26 ~ 2100-12-31)

Select Reagent Kit : 5 - Medicon

Monthly

Month : 2023 11

UnitID	Reagent Kit (Code)	Control N (Lot No.: BA1116N)								Control D (Lot No.: BA1116D)							
		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
Lab027	5	12.8	15.6	5	0.6	3.8	29.6	20	-0.5	4.2	5.0	5	0.2	4.0	27.0	20	0.2
Lab033	5	12.8	15.5	5	1.0	6.5	34.0	20	-0.2	4.2	4.6	5	0.5	10.9	31.3	20	1.0
Lab037	5	12.8	13.7	2	-	-	-	20	-	4.2	4.4	2	-	-	-	20	-
Total	-	-	15.2	12	1.0	6.6	-	-	-	-	4.8	12	0.4	8.3	-	-	-

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

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

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

[\[TOP\]](#)

Cumulative

Cumulative : from 2022 06 01 to 2023 11 30

UnitID	Reagent Kit (Code)	Control N (Lot No.: BA1116N)								Control D (Lot No.: BA1116D)							
		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	5	13.6	13.8	113	0.4	2.9	7.3	20	>6	4.3	4.4	113	0.1	2.3	6.9	20	>6
Lab027	5	12.8	15.0	64	0.8	5.3	27.9	20	0.5	4.2	4.8	64	0.4	8.3	31.0	20	0.7
Lab033	5	12.8	15.9	18	0.8	5.0	34.3	20	-0.8	4.2	4.8	18	0.4	8.3	31.0	20	0.7
Lab037	5	12.8	14.0	8	0.4	2.9	15.1	20	3.7	4.2	4.5	8	0.2	4.4	16.0	20	2.9
Total	-	-	14.4	203	0.9	6.3	-	-	-	-	4.6	203	0.3	6.5	-	-	-

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 : BA1116N (2022-04-26 ~ 2100-12-31) Change

Select Reagent Kit : 5 - Medicon Change

Print Table 2

Control N Month vs. Cumulative

		Control N (Lot No.: BA1116N)															
		Month (2023/11)								CUM (2022/06/01~2023/11/30)							
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	5	13.6	-	0	-	-	-	20	-	13.6	13.8	113	0.4	2.9	7.3	20	>6
Lab027	5	12.8	15.6	5	0.6	3.8	29.6	20	-0.5	12.8	15.0	64	0.8	5.3	27.9	20	0.5
Lab033	5	12.8	15.5	5	1.0	6.5	34.0	20	-0.2	12.8	15.9	18	0.8	5.0	34.3	20	-0.8
Lab037	5	12.8	13.7	2	-	-	-	20	-	12.8	14.0	8	0.4	2.9	15.1	20	3.7
Total	-	-	15.2	12	1.0	6.6	-	-	-	-	14.4	203	0.9	6.3	-	-	-

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

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

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

Month : 2023 11 Change Cumulative : from 2022 06 01 to 2023 11 30 Change

[TOP](#)

Control D Month vs. Cumulative

		Control D (Lot No.: BA1116D)															
		Month (2023/11)								CUM (2022/06/01~2023/11/30)							
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	5	4.3	-	0	-	-	-	20	-	4.3	4.4	113	0.1	2.3	6.9	20	>6
Lab027	5	4.2	5.0	5	0.2	4.0	27.0	20	0.2	4.2	4.8	64	0.4	8.3	31.0	20	0.7
Lab033	5	4.2	4.6	5	0.5	10.9	31.3	20	1.0	4.2	4.8	18	0.4	8.3	31.0	20	0.7
Lab037	5	4.2	4.4	2	-	-	-	20	-	4.2	4.5	8	0.2	4.4	16.0	20	2.9
Total	-	-	4.8	12	0.4	8.3	-	-	-	-	4.6	203	0.3	6.5	-	-	-

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

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

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

Month : 2023 11 Change Cumulative : from 2022 06 01 to 2023 11 30 Change

[TOP](#)

Reagent Kit	Reagent Code
Medicon	5