

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：Lab037

QC Control Lot No.	Control N		Control D	
	BA1116N		BA1116D	
檢驗期間	Month (2025/05)	CUM (2024/04/26~2025/05/31)	Month (2025/05)	CUM (2024/04/26~2025/05/31)
累計點數 (N)	2	26	2	26
累計平均值 (Mean) U/gHb	14.2	13.7	4.6	4.4
累計標準差 (SD)	-	0.4	-	0.2
累計變異係數 (CV) %	-	2.9	-	4.5
目標值 (Target) U/gHb	12.8	12.8	4.2	4.2
總誤差 (TE) %	-	12.9	-	13.9
可容許總誤差 (TEa) %	20	20	20	20
σ	-	4.5	-	3.4

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

月統計：2025 05 Change ； 累計期間 (CUM)：自 2024 04 26 至 2025 05 31 Change

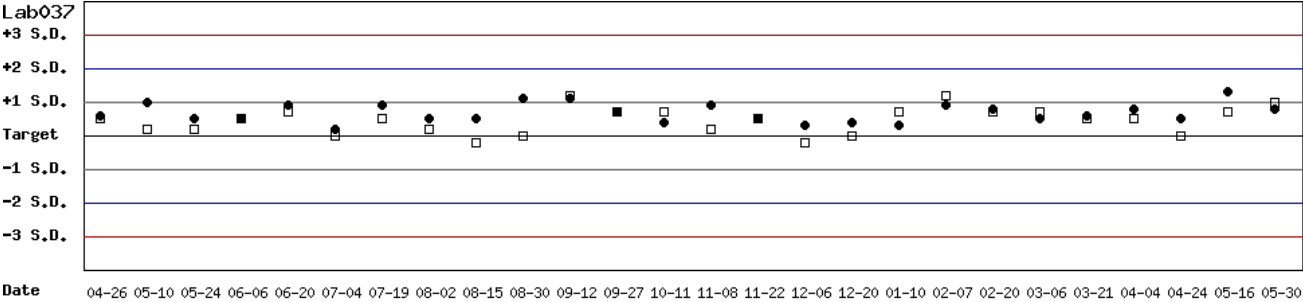
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Control N 及 Control D SDI
分佈圖

Lot No.: BA1116N；檢驗期間：2024-04-26 至 2025-05-31；目標值 (Target)：12.8；參考標準差 (SD)：1.28 (●)

Lot No.: BA1116D；檢驗期間：2024-04-26 至 2025-05-31；目標值 (Target)：4.2；參考標準差 (SD)：0.42 (□)

單位：Lab037

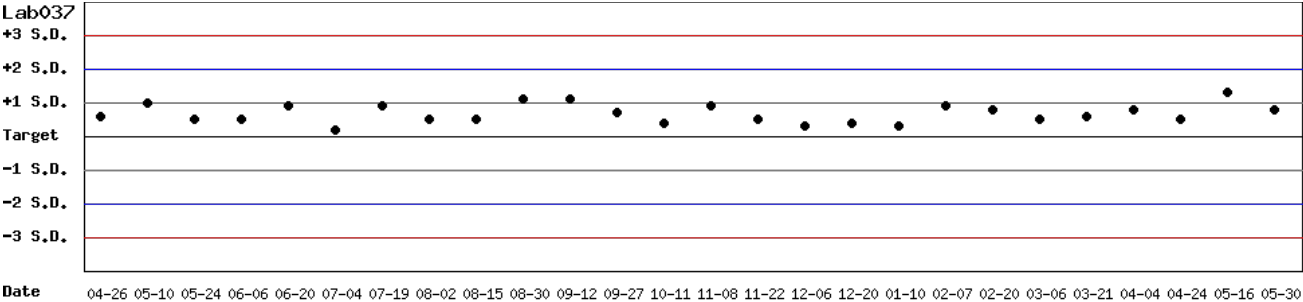


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Control N SDI 分佈圖

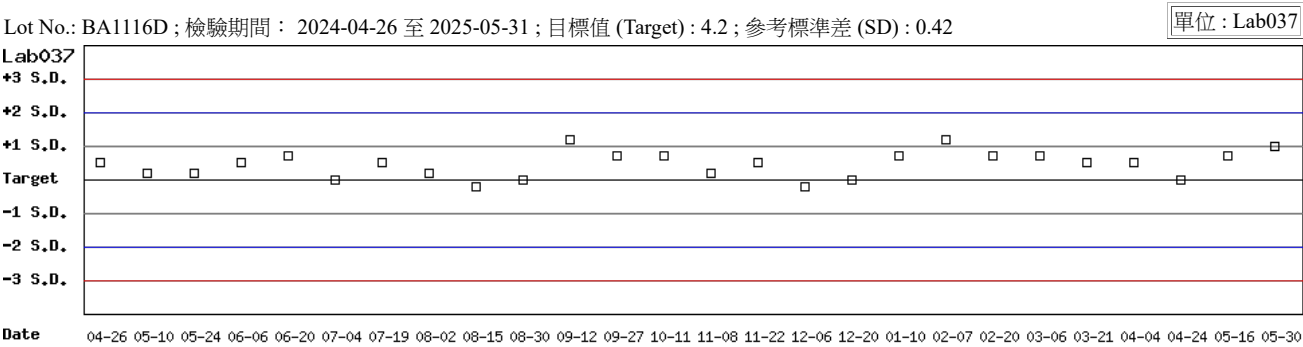
Lot No.: BA1116N；檢驗期間：2024-04-26 至 2025-05-31；目標值 (Target)：12.8；參考標準差 (SD)：1.28

單位：Lab037



[\[TOP\]](#)

Control D SDI 分佈圖



月統計 : 2025 ▾ 05 ▾ Change ; 累計期間 (CUM) : 自 2024 ▾ 04 ▾ 26 ▾ 至 2025 ▾ 05 ▾ 31 ▾ Change

Peer Group Statistics (Table 1)

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

Select Reagent Kit : 5 - Medicon Change

[Print Table 1](#)

Monthly

Month : 2025 05 Change

		Control N (Lot No.: BA1116N)								Control D (Lot No.: BA1116D)							
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
Lab037	5	12.8	14.2	2	-	-	-	20	-	4.2	4.6	2	-	-	-	20	-
Total	-	-	14.2	2	-	-	-	-	-	-	4.6	2	-	-	-	-	-

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

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

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

[\[TOP\]](#)

Cumulative

Cumulative : from 2022 06 01 to 2025 05 31 Change

		Control N (Lot No.: BA1116N)								Control D (Lot No.: BA1116D)							
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	13.9	147	0.3	2.2	6.5	20	>6	4.3	4.4	147	0.1	2.3	6.9	20	>6
Lab027	5	12.8	14.9	74	0.9	6.0	28.5	20	0.6	4.2	4.9	74	0.4	8.2	33.0	20	0.4
Lab032	5	14.9	13.8	30	0.4	2.9	13.2	20	4.4	5.1	4.2	30	0.2	4.8	27.2	20	0.5
Lab033	5	15.8	15.7	85	0.6	3.8	8.3	20	5.1	4.7	4.8	85	0.2	4.2	10.5	20	4.3
Lab037	5	12.8	13.8	41	0.4	2.9	13.6	20	4.2	4.2	4.4	41	0.2	4.5	13.9	20	3.4
Lab052	5	15.3	15.3	15	0.3	2.0	3.9	20	>6	4.6	4.7	15	0.2	4.3	10.7	20	4.1
Total	-	-	14.5	396	0.9	6.2	-	-	-	-	4.6	396	0.3	6.5	-	-	-

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

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 (2025/05)								CUM (2022/06/01~2025/05/31)							
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
Lab018	5	13.6	-	0	-	-	-	20	-	13.6	13.9	147	0.3	2.2	6.5	20	>6
Lab027	5	12.8	-	0	-	-	-	20	-	12.8	14.9	74	0.9	6.0	28.5	20	0.6
Lab032	5	14.9	-	0	-	-	-	20	-	14.9	13.8	30	0.4	2.9	13.2	20	4.4
Lab033	5	15.8	-	0	-	-	-	20	-	15.8	15.7	85	0.6	3.8	8.3	20	5.1
Lab037	5	12.8	14.2	2	-	-	-	20	-	12.8	13.8	41	0.4	2.9	13.6	20	4.2
Lab052	5	15.3	-	0	-	-	-	20	-	15.3	15.3	15	0.3	2.0	3.9	20	>6
Total	-	-	14.2	2	-	-	-	-	-	-	14.5	396	0.9	6.2	-	-	-

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

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

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

Month :
2025
05
Change
Cumulative : from
2022
06
01
to
2025
05
31
Change

[TOP](#)

Control D Month vs. Cumulative

		Control D (Lot No.: BA1116D)															
		Month (2025/05)								CUM (2022/06/01~2025/05/31)							
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
Lab018	5	4.3	-	0	-	-	-	20	-	4.3	4.4	147	0.1	2.3	6.9	20	>6
Lab027	5	4.2	-	0	-	-	-	20	-	4.2	4.9	74	0.4	8.2	33.0	20	0.4
Lab032	5	5.1	-	0	-	-	-	20	-	5.1	4.2	30	0.2	4.8	27.2	20	0.5
Lab033	5	4.7	-	0	-	-	-	20	-	4.7	4.8	85	0.2	4.2	10.5	20	4.3
Lab037	5	4.2	4.6	2	-	-	-	20	-	4.2	4.4	41	0.2	4.5	13.9	20	3.4
Lab052	5	4.6	-	0	-	-	-	20	-	4.6	4.7	15	0.2	4.3	10.7	20	4.1
Total	-	-	4.6	2	-	-	-	-	-	-	4.6	396	0.3	6.5	-	-	-

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

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

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

Month :
2025
05
Change
Cumulative : from
2022
06
01
to
2025
05
31
Change

[TOP](#)

Reagent Kit	Reagent Code
Medicon	5