

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 : **Lab052**

QC Control Lot No.	Control N		Control D	
	BA1116N		BA1116D	
檢驗期間	Month (2024/10)	CUM (2024/10/03~2024/10/31)	Month (2024/10)	CUM (2024/10/03~2024/10/31)
累計點數 (N)	5	5	5	5
累計平均值 (Mean) U/gHb	15.2	15.2	4.7	4.7
累計標準差 (SD)	0.5	0.5	0.2	0.2
累計變異係數 (CV) %	3.3	3.3	4.3	4.3
目標值 (Target) U/gHb	15.3	15.3	4.6	4.6
總誤差 (TE) %	7.2	7.2	10.7	10.7
可容許總誤差 (TEa) %	20	20	20	20
σ	5.9	5.9	4.1	4.1

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 : 2024 10 Change ; 累計期間 (CUM) : 自 2024 10 03 至 2024 10 31 Change

[\[TOP\]](#)

Control N 及 Control D SDI 分佈圖

Lot No.: BA1116N ; 檢驗期間 : 2024-10-03 至 2024-10-31 ; 目標值 (Target) : 15.3 ; 參考標準差 (SD) : 0.35 (●)

Lot No.: BA1116D ; 檢驗期間 : 2024-10-03 至 2024-10-31 ; 目標值 (Target) : 4.6 ; 參考標準差 (SD) : 0.21 (□)

單位 : Lab052



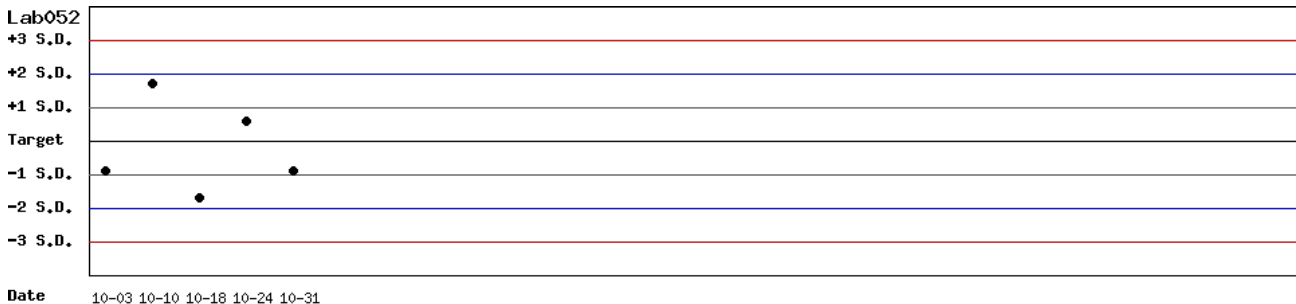
月統計 : 2024 10 Change ; 累計期間 (CUM) : 自 2024 10 03 至 2024 10 31 Change

[\[TOP\]](#)

Control N SDI 分佈圖

Lot No.: BA1116N ; 檢驗期間 : 2024-10-03 至 2024-10-31 ; 目標值 (Target) : 15.3 ; 參考標準差 (SD) : 0.35

單位 : Lab052



月統計 : 2024 10 Change ; 累計期間 (CUM) : 自 2024 10 03 至 2024 10 31 Change

[\[TOP\]](#)

Control D SDI 分佈圖

Lot No.: BA1116D ; 檢驗期間 : 2024-10-03 至 2024-10-31 ; 目標值 (Target) : 4.6 ; 參考標準差 (SD) : 0.21

單位 : Lab052



Date 10-03 10-10 10-18 10-24 10-31

月統計 : 2024 10 Change ; 累計期間 (CUM) : 自 2024 10 03 至 2024 10 31 Change

[TOP](#)

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 : 2024 10 Change

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
Lab033	5	15.8	15.8	5	0.5	3.2	6.3	20	>6	4.7	4.9	5	0.1	2.0	8.3	20	>6
Lab037	5	12.8	13.3	1	-	-	-	20	-	4.2	4.5	1	-	-	-	20	-
Lab052	5	15.3	15.0	1	-	-	-	20	-	4.6	4.6	1	-	-	-	20	-
Total	-	-	15.3	11	0.8	5.2	-	-	-	-	4.7	11	0.2	4.3	-	-	-

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

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

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

[\[TOP\]](#)

Cumulative

Cumulative : from 2022 06 01 to 2024 10 31 Change

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	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	13.7	17	0.4	2.9	13.9	20	4.1	5.1	4.3	17	0.2	4.7	25.0	20	0.9
Lab033	5	15.8	15.8	66	0.5	3.2	6.3	20	>6	4.7	4.8	66	0.2	4.2	10.5	20	4.3
Lab037	5	12.8	13.9	28	0.4	2.9	14.3	20	3.9	4.2	4.4	28	0.2	4.5	13.9	20	3.4
Lab052	5	15.3	15.0	1	-	-	-	20	-	4.6	4.6	1	-	-	-	20	-
Total	-	-	14.5	303	1.0	6.9	-	-	-	-	4.6	303	0.3	6.5	-	-	-

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

TE : Total Error(%) = Bias (%) + 2 x 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 (2024/10)								CUM (2022/06/01~2024/10/31)							
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	13.8	113	0.4	2.9	7.3	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	13.7	17	0.4	2.9	13.9	20	4.1
Lab033	5	15.8	15.8	5	0.5	3.2	6.3	20	>6	15.8	15.8	66	0.5	3.2	6.3	20	>6
Lab037	5	12.8	13.3	1	-	-	-	20	-	12.8	13.9	28	0.4	2.9	14.3	20	3.9
Lab052	5	15.3	15.0	1	-	-	-	20	-	15.3	15.0	1	-	-	-	20	-
Total	-	-	15.3	11	0.8	5.2	-	-	-	-	14.5	303	1.0	6.9	-	-	-

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

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

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

Month : 2024 ▼ 10 ▼ Change Cumulative : from 2022 ▼ 06 ▼ 01 ▼ to 2024 ▼ 10 ▼ 31 ▼ Change

[TOP](#)

Control D Month vs. Cumulative

		Control D (Lot No.: BA1116D)															
		Month (2024/10)								CUM (2022/06/01~2024/10/31)							
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	113	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	4.3	17	0.2	4.7	25.0	20	0.9
Lab033	5	4.7	4.9	5	0.1	2.0	8.3	20	>6	4.7	4.8	66	0.2	4.2	10.5	20	4.3
Lab037	5	4.2	4.5	1	-	-	-	20	-	4.2	4.4	28	0.2	4.5	13.9	20	3.4
Lab052	5	4.6	4.6	1	-	-	-	20	-	4.6	4.6	1	-	-	-	20	-
Total	-	-	4.7	11	0.2	4.3	-	-	-	-	4.6	303	0.3	6.5	-	-	-

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

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

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

Month : 2024 ▼ 10 ▼ Change Cumulative : from 2022 ▼ 06 ▼ 01 ▼ to 2024 ▼ 10 ▼ 31 ▼ Change

[TOP](#)

Reagent Kit	Reagent Code
Medicon	5