

G6PD 定量檢驗內部品管統計結果及 SDI 分佈圖

選擇 LotNo : BD0728N (2024-08-20 ~ 2100-12-31) Change

列印圖表

檢驗單位 : Lab033

	Control N		Control D	
QC Control Lot No.	BD0728N		BD0728D	
檢驗期間	Month (2025/06)	CUM (2025/03/20~2025/06/30)	Month (2025/06)	CUM (2025/03/20~2025/06/30)
累計點數 (N)	4	14	4	14
累計平均值 (Mean) U/gHb	14.7	14.9	4.6	4.7
累計標準差 (SD)	0.2	0.5	0.1	0.2
累計變異係數 (CV) %	1.4	3.4	2.2	4.3
目標值 (Target) U/gHb	15.1	15.1	4.6	4.6
總誤差 (TE) %	5.4	8.0	4.3	10.7
可容許總誤差 (TEa) %	20	20	20	20
σ	>6	5.5	>6	4.1

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 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 06 Change ; 累計期間 (CUM) : 自 2025 03 20 至 2025 06 30 Change

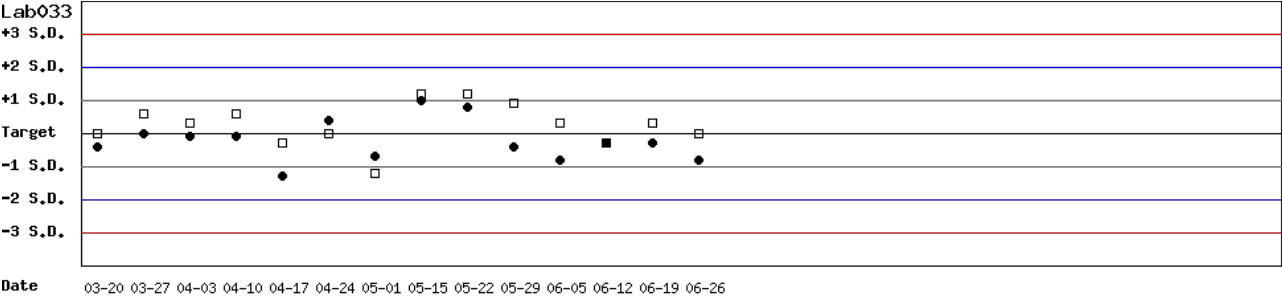
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Control N 及 Control D SDI 分佈圖

Lot No.: BD0728N ; 檢驗期間 : 2025-03-20 至 2025-06-30 ; 目標值 (Target) : 15.1 ; 參考標準差 (SD) : 0.71 (●)

Lot No.: BD0728D ; 檢驗期間 : 2025-03-20 至 2025-06-30 ; 目標值 (Target) : 4.6 ; 參考標準差 (SD) : 0.33 (□)

單位 : Lab033



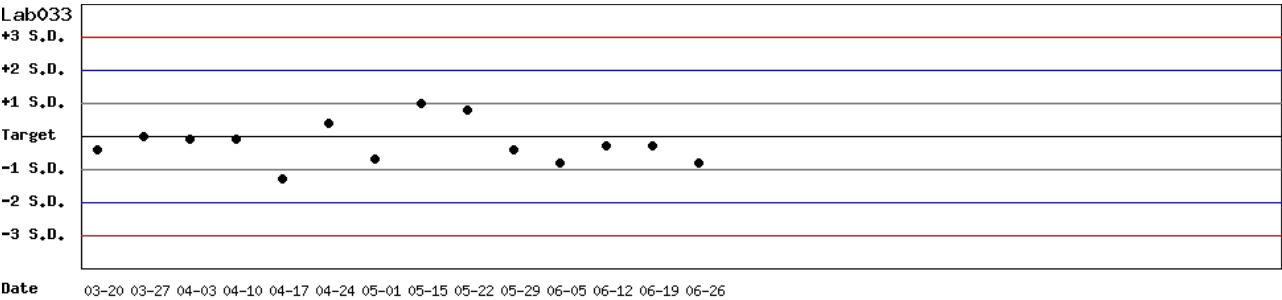
月統計 : 2025 06 Change ; 累計期間 (CUM) : 自 2025 03 20 至 2025 06 30 Change

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Control N SDI 分佈圖

Lot No.: BD0728N ; 檢驗期間 : 2025-03-20 至 2025-06-30 ; 目標值 (Target) : 15.1 ; 參考標準差 (SD) : 0.71

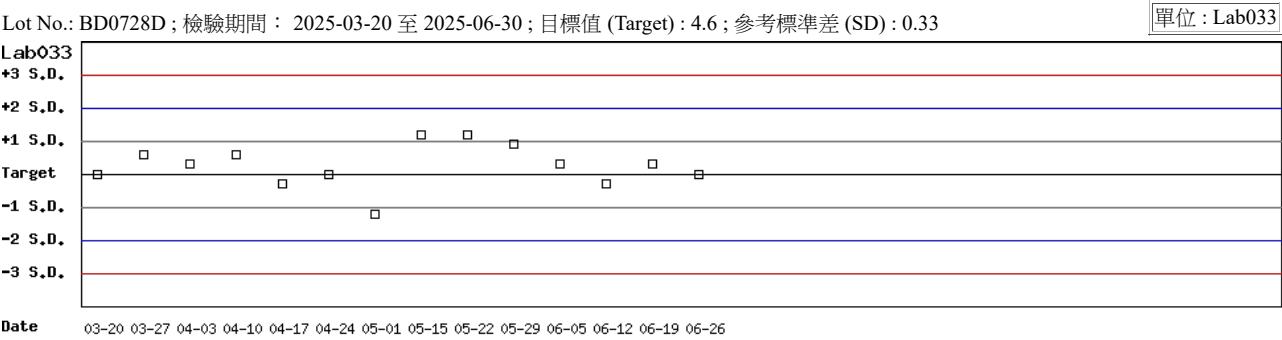
單位 : Lab033



月統計 : 2025 06 Change ; 累計期間 (CUM) : 自 2025 03 20 至 2025 06 30 Change

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Control D SDI 分佈圖



月統計 : 2025 06 Change ; 累計期間 (CUM) : 自 2025 03 20 至 2025 06 30 Change

Peer Group Statistics (Table 1)

Select LotNo : BD0728N (2024-08-20 ~ 2100-12-31) Change

Select Reagent Kit : 5 - Medicon Change

Print Table 1

Monthly

Month : 2025 06 Change

		Control N (Lot No.: BD0728N)									Control D (Lot No.: BD0728D)							
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
Lab033	5	15.1	14.7	4	0.2	1.4	5.4	20	>6		4.6	4.6	4	0.1	2.2	4.3	20	>6
Lab052	5	14.9	15.0	4	0.2	1.3	3.3	20	>6		4.6	4.7	4	0.1	2.1	6.4	20	>6
Total	-	-	14.8	8	0.3	2.0	-	-	-		-	4.6	8	0.1	2.2	-	-	-

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

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

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

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Cumulative

Cumulative : from 2024 09 01 to 2025 06 30 Change

		Control N (Lot No.: BD0728N)									Control D (Lot No.: BD0728D)							
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
Lab033	5	15.1	14.9	14	0.5	3.4	8.0	20	5.5		4.6	4.7	14	0.2	4.3	10.7	20	4.1
Lab052	5	14.9	14.9	11	0.3	2.0	4.0	20	>6		4.6	4.6	11	0.1	2.2	4.3	20	>6
Total	-	-	14.9	25	0.4	2.7	-	-	-		-	4.7	25	0.2	4.3	-	-	-

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

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

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

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Reagent Kit	Reagent Code
Medicon	5

Peer Group Statistics (Table 2)

Select LotNo : BD0728N (2024-08-20 ~ 2100-12-31) Change

Select Reagent Kit : 5 - Medicon Change

Print Table 2

Control N Month vs.
Cumulative

Control N (Lot No.: BD0728N)																	
Month (2025/06)										CUM (2024/09/01~2025/06/30)							
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
Lab033	5	15.1	14.7	4	0.2	1.4	5.4	20	>6	15.1	14.9	14	0.5	3.4	8.0	20	5.5
Lab052	5	14.9	15.0	4	0.2	1.3	3.3	20	>6	14.9	14.9	11	0.3	2.0	4.0	20	>6
Total	-	-	14.8	8	0.3	2.0	-	-	-	-	14.9	25	0.4	2.7	-	-	-

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

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

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

Month : 2025 06 Change Cumulative : from 2024 09 01 to 2025 06 30 Change

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Control D Month vs.
Cumulative

Control D (Lot No.: BD0728D)																	
Month (2025/06)										CUM (2024/09/01~2025/06/30)							
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
Lab033	5	4.6	4.6	4	0.1	2.2	4.3	20	>6	4.6	4.7	14	0.2	4.3	10.7	20	4.1
Lab052	5	4.6	4.7	4	0.1	2.1	6.4	20	>6	4.6	4.6	11	0.1	2.2	4.3	20	>6
Total	-	-	4.6	8	0.1	2.2	-	-	-	-	4.7	25	0.2	4.3	-	-	-

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

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

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

Month : 2025 06 Change Cumulative : from 2024 09 01 to 2025 06 30 Change

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Reagent Kit	Reagent Code
Medicon	5