

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 (2023/03)	CUM (2022/09/30~2023/03/31)	Month (2023/03)	CUM (2022/09/30~2023/03/31)
累計點數 (N)	4	26	4	26
累計平均值 (Mean) U/gHb	14.1	15.0	4.5	4.8
累計標準差 (SD)	0.5	0.7	0.3	0.3
累計變異係數 (CV) %	3.5	4.7	6.7	6.3
目標值 (Target) U/gHb	12.8	12.8	4.2	4.2
總誤差 (TE) %	17.2	26.5	20.5	26.8
可容許總誤差 (TEa) %	20	20	20	20
σ	2.8	0.6	1.9	0.9

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 : 2023 03 Change ; 累計期間 (CUM) : 自 2022 09 30 至 2023 03 31 Change

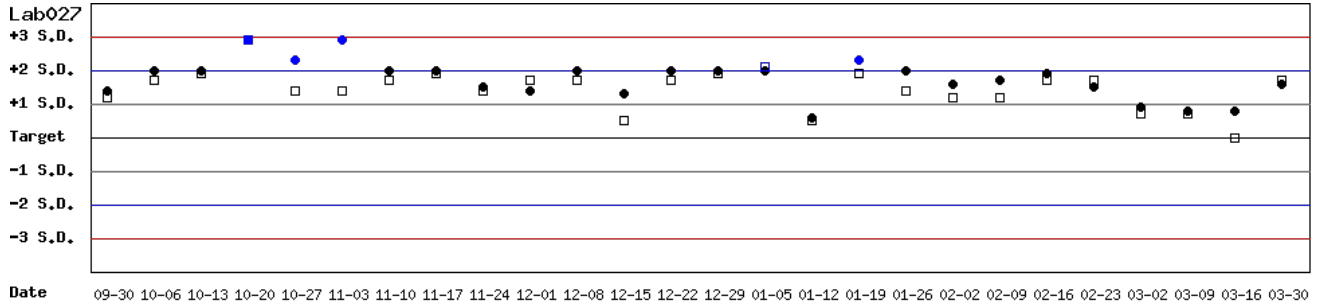
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Control N 及 Control D SDI 分佈圖

Lot No.: BA1116N ; 檢驗期間 : 2022-09-30 至 2023-03-31 ; 目標值 (Target) : 12.8 ; 參考標準差 (SD) : 1.28 (●)

Lot No.: BA1116D ; 檢驗期間 : 2022-09-30 至 2023-03-31 ; 目標值 (Target) : 4.2 ; 參考標準差 (SD) : 0.42 (□)

單位 : Lab027



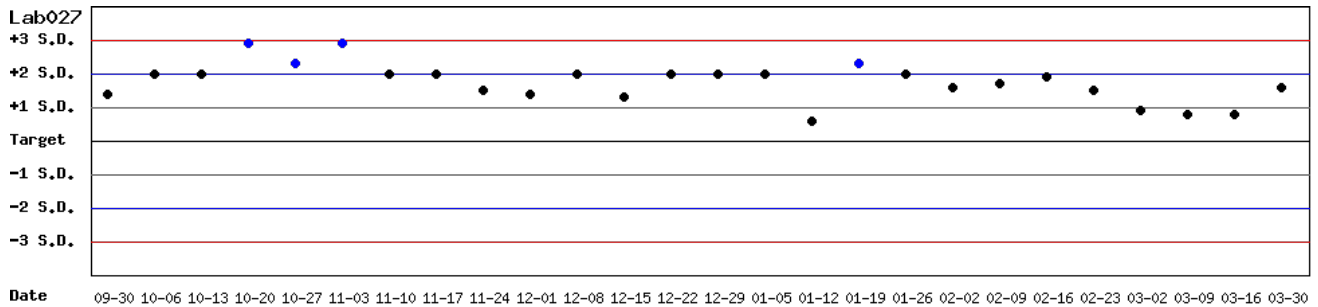
月統計 : 2023 03 Change ; 累計期間 (CUM) : 自 2022 09 30 至 2023 03 31 Change

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Control N SDI 分佈圖

Lot No.: BA1116N ; 檢驗期間 : 2022-09-30 至 2023-03-31 ; 目標值 (Target) : 12.8 ; 參考標準差 (SD) : 1.28

單位 : Lab027



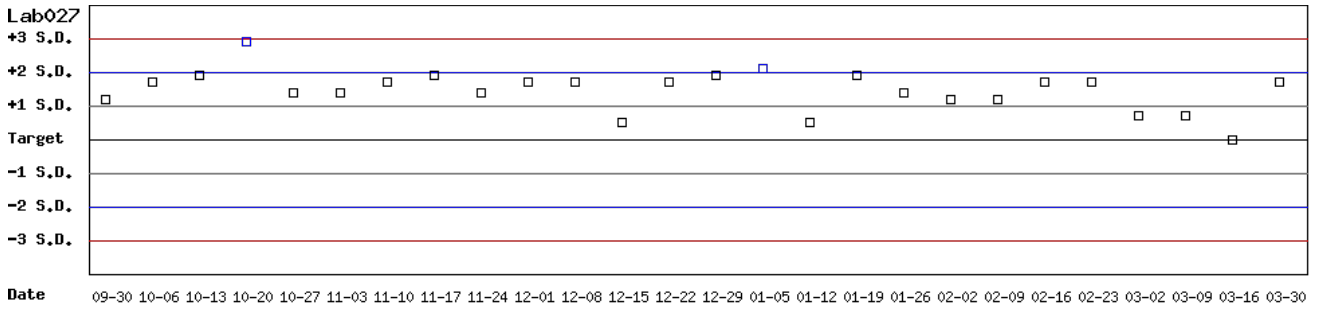
月統計 : 2023 03 Change ; 累計期間 (CUM) : 自 2022 09 30 至 2023 03 31 Change

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Control D SDI 分佈圖

Lot No.: BA1116D ; 檢驗期間 : 2022-09-30 至 2023-03-31 ; 目標值 (Target) : 4.2 ; 參考標準差 (SD) : 0.42

單位 : Lab027



月統計 : 2023 ▾ 03 ▾ Change ; 累計期間 (CUM) : 自 2022 ▾ 09 ▾ 30 ▾ 至 2023 ▾ 03 ▾ 31 ▾ Change

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Peer Group Statistics (Table 1)

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

Select Reagent Kit : 5 - Medicon

Monthly

Month : 2023 03

UnitID <input type="button" value="↑"/>	Reagent Kit (Code) <input type="button" value="↑"/>	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	6	0.4	2.9	7.3	20	>6	4.3	4.4	6	0.1	2.3	6.9	20	>6
Lab027	5	12.8	14.1	4	0.5	3.5	17.2	20	2.8	4.2	4.5	4	0.3	6.7	20.5	20	1.9
Total	-	-	13.9	10	0.5	3.6	-	-	-	-	4.5	10	0.2	4.4	-	-	-

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

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

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

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Cumulative

Cumulative : from 2022 06 01 to 2023 03 31

UnitID <input type="button" value="↑"/>	Reagent Kit (Code) <input type="button" value="↑"/>	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	13.6	62	0.3	2.2	4.4	20	>6	4.3	4.3	62	0.1	2.3	4.7	20	>6
Lab027	5	12.8	14.9	43	0.7	4.7	25.8	20	0.8	4.2	4.8	43	0.3	6.3	26.8	20	0.9
Total	-	-	14.1	105	0.8	5.7	-	-	-	-	4.5	105	0.3	6.7	-	-	-

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

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

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

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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 (2023/03)								CUM (2022/06/01~2023/03/31)							
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	13.8	6	0.4	2.9	7.3	20	>6	13.6	13.6	62	0.3	2.2	4.4	20	>6
Lab027	5	12.8	14.1	4	0.5	3.5	17.2	20	2.8	12.8	14.9	43	0.7	4.7	25.8	20	0.8
Total	-	-	13.9	10	0.5	3.6	-	-	-	-	14.1	105	0.8	5.7	-	-	-

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

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

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

Month : 2023 ▼ 03 ▼ Change Cumulative : from 2022 ▼ 06 ▼ 01 ▼ to 2023 ▼ 03 ▼ 31 ▼ Change

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Control D Month vs. Cumulative

		Control D (Lot No.: BA1116D)															
		Month (2023/03)								CUM (2022/06/01~2023/03/31)							
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	4.4	6	0.1	2.3	6.9	20	>6	4.3	4.3	62	0.1	2.3	4.7	20	>6
Lab027	5	4.2	4.5	4	0.3	6.7	20.5	20	1.9	4.2	4.8	43	0.3	6.3	26.8	20	0.9
Total	-	-	4.5	10	0.2	4.4	-	-	-	-	4.5	105	0.3	6.7	-	-	-

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

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

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

Month : 2023 ▼ 03 ▼ Change Cumulative : from 2022 ▼ 06 ▼ 01 ▼ to 2023 ▼ 03 ▼ 31 ▼ Change

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Reagent Kit	Reagent Code
Medicon	5