

# 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 (2022/10)	CUM (2022/06/03~2022/10/28)	Month (2022/10)	CUM (2022/06/03~2022/10/28)
累計點數 (N)	4	22	4	22
累計平均值 (Mean) U/gHb	15.7	14.9	5.0	4.8
累計標準差 (SD)	0.5	0.7	0.3	0.4
累計變異係數 (CV) %	3.2	4.7	6.0	8.3
目標值 (Target) U/gHb	12.8	12.8	4.2	4.2
總誤差 (TE) %	29.0	25.8	31.0	31.0
可容許總誤差 (TEa) %	20	20	20	20
$\sigma$	-0.8	0.8	0.2	0.7

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)  
 $\sigma$  (Sigma) = (TEa% - 誤差 (Bias)% ) / 累計變異係數 (CV)

月統計 : 2022 10 Change ; 累計期間 (CUM) : 自 2022 06 03 至 2022 10 28 Change

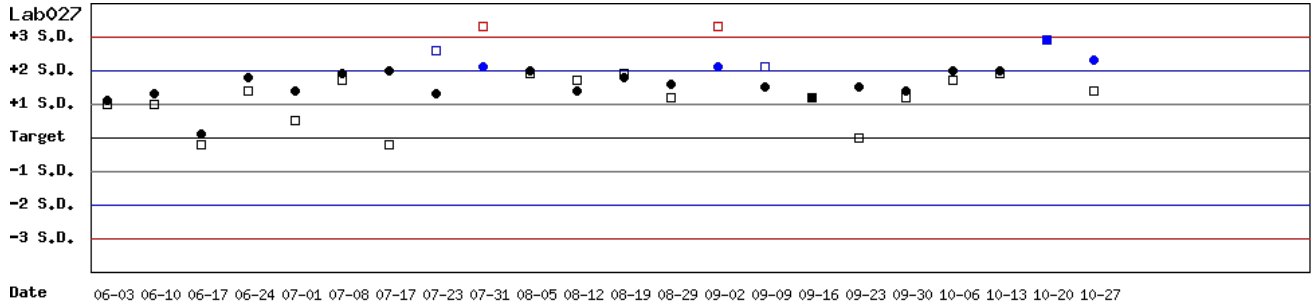
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## Control N 及 Control D SDI 分佈圖

Lot No.: BA1116N ; 檢驗期間 : 2022-06-03 至 2022-10-28 ; 目標值 (Target) : 12.8 ; 參考標準差 (SD) : 1.28 (●)

Lot No.: BA1116D ; 檢驗期間 : 2022-06-03 至 2022-10-28 ; 目標值 (Target) : 4.2 ; 參考標準差 (SD) : 0.42 (□)

單位 : Lab027



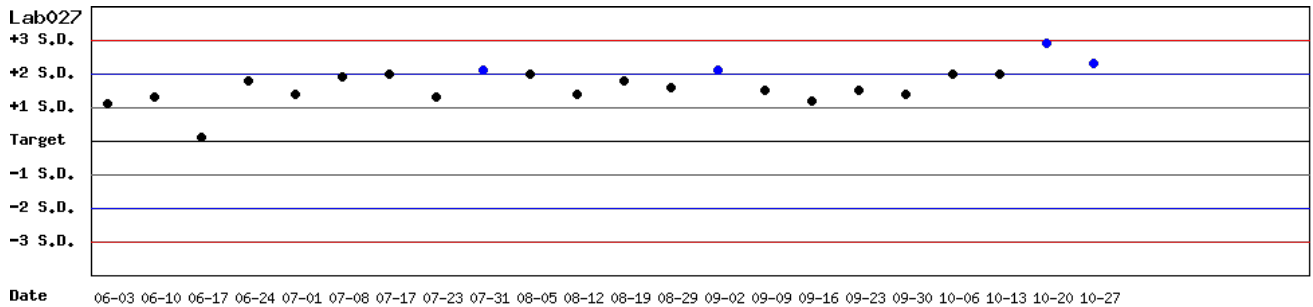
月統計 : 2022 10 Change ; 累計期間 (CUM) : 自 2022 06 03 至 2022 10 28 Change

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## Control N SDI 分佈圖

Lot No.: BA1116N ; 檢驗期間 : 2022-06-03 至 2022-10-28 ; 目標值 (Target) : 12.8 ; 參考標準差 (SD) : 1.28

單位 : Lab027



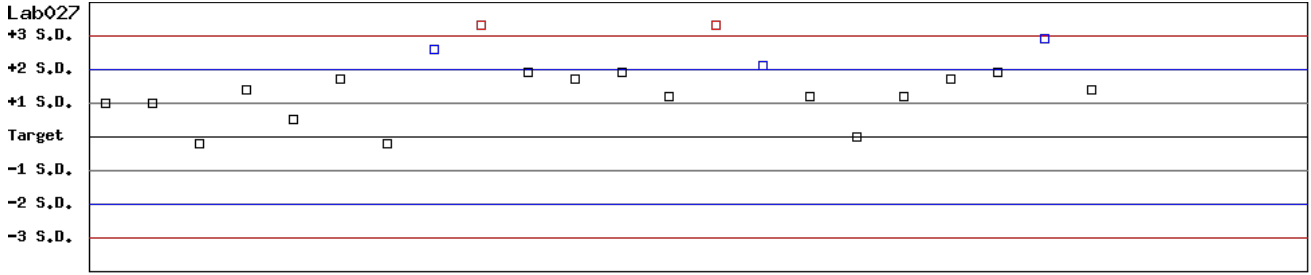
月統計 : 2022 10 Change ; 累計期間 (CUM) : 自 2022 06 03 至 2022 10 28 Change

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## Control D SDI 分佈圖

Lot No.: BA1116D ; 檢驗期間 : 2022-06-03 至 2022-10-28 ; 目標值 (Target) : 4.2 ; 參考標準差 (SD) : 0.42

單位 : Lab027



**Date**    06-03 06-10 06-17 06-24 07-01 07-08 07-17 07-23 07-31 08-05 08-12 08-19 08-29 09-02 09-09 09-16 09-23 09-30 10-06 10-13 10-20 10-27

月統計 : 2022 ▾ 10 ▾ Change ; 累計期間 (CUM) : 自 2022 ▾ 06 ▾ 03 ▾ 至 2022 ▾ 10 ▾ 28 ▾ Change

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# 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 : 2022 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
<a href="#">Lab018</a>	5	13.6	13.5	7	0.3	2.2	5.2	20	>6	4.3	4.4	7	0.1	2.3	6.9	20	>6
<a href="#">Lab027</a>	5	12.8	15.7	4	0.5	3.2	29.0	20	-0.8	4.2	5.0	4	0.3	6.0	31.0	20	0.2
Total	-	-	14.3	11	1.2	8.4	-	-	-	-	4.6	11	0.4	8.7	-	-	-

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 2022 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
<a href="#">Lab018</a>	5	13.6	13.6	48	0.3	2.2	4.4	20	>6	4.3	4.3	48	0.1	2.3	4.7	20	>6
<a href="#">Lab027</a>	5	12.8	14.9	22	0.7	4.7	25.8	20	0.8	4.2	4.8	22	0.4	8.3	31.0	20	0.7
Total	-	-	14.0	70	0.8	5.7	-	-	-	-	4.5	70	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 (2022/10)								CUM (2022/06/01~2022/10/31)							
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
<a href="#">Lab018</a>	5	13.6	13.5	7	0.3	2.2	5.2	20	>6	13.6	13.6	48	0.3	2.2	4.4	20	>6
<a href="#">Lab027</a>	5	12.8	15.7	4	0.5	3.2	29.0	20	-0.8	12.8	14.9	22	0.7	4.7	25.8	20	0.8
Total	-	-	14.3	11	1.2	8.4	-	-	-	-	14.0	70	0.8	5.7	-	-	-

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

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

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

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

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### Control D Month vs. Cumulative

		Control D (Lot No.: BA1116D)															
		Month (2022/10)								CUM (2022/06/01~2022/10/31)							
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
<a href="#">Lab018</a>	5	4.3	4.4	7	0.1	2.3	6.9	20	>6	4.3	4.3	48	0.1	2.3	4.7	20	>6
<a href="#">Lab027</a>	5	4.2	5.0	4	0.3	6.0	31.0	20	0.2	4.2	4.8	22	0.4	8.3	31.0	20	0.7
Total	-	-	4.6	11	0.4	8.7	-	-	-	-	4.5	70	0.3	6.7	-	-	-

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

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

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

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

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Reagent Kit	Reagent Code
Medicon	5