

G6PD 定量檢驗內部品管統計結果及 SDI 分佈圖

選擇 LotNo : AE0909N (2016-01-01 ~ 2100-12-31) Change

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檢驗單位 : Lab026

QC Control Lot No.	Control N		Control D	
	AE0909N		AE0909D	
檢驗期間	Month (2024/11)	CUM (2024/07/09~2024/11/12)	Month (2024/11)	CUM (2024/07/09~2024/11/12)
累計點數 (N)	3	26	3	26
累計平均值 (Mean) U/gHb	12.9	12.8	4.8	4.8
累計標準差 (SD)	0.1	0.1	0.1	0.1
累計變異係數 (CV) %	0.8	0.8	2.1	2.1
目標值 (Target) U/gHb	15.9	15.9	5.8	5.8
總誤差 (TE) %	20.4	21.1	21.4	21.4
可容許總誤差 (TEa) %	20	20	20	20
σ	1.4	0.6	1.3	1.3

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 11 Change ; 累計期間 (CUM) : 自 2024 07 09 至 2024 11 12 Change

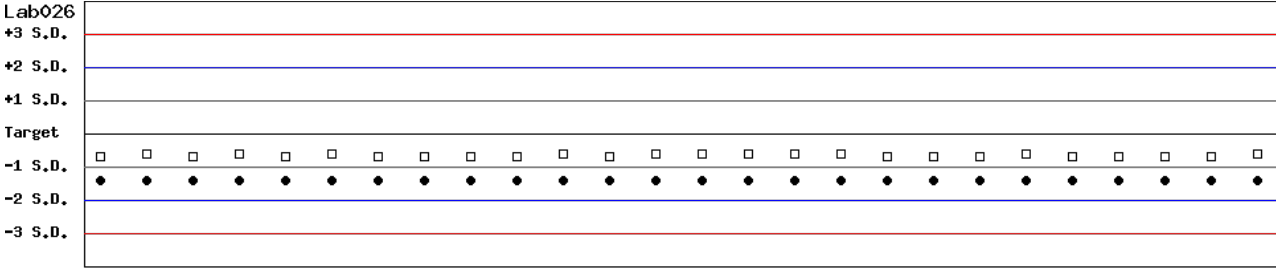
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Control N 及 Control D SDI 分佈圖

Lot No.: AE0909N ; 檢驗期間 : 2024-07-09 至 2024-11-12 ; 目標值 (Target) : 15.9 ; 參考標準差 (SD) : 2.20 (●)

Lot No.: AE0909D ; 檢驗期間 : 2024-07-09 至 2024-11-12 ; 目標值 (Target) : 5.8 ; 參考標準差 (SD) : 1.40 (□)

單位 : Lab026



Date 07-09 07-16 07-17 07-18 07-23 07-25 07-30 08-01 08-06 08-08 08-13 08-15 08-20 08-22 08-27 08-29 09-03 09-05 09-10 09-12 09-17 09-19 09-26 11-05 11-07 11-12

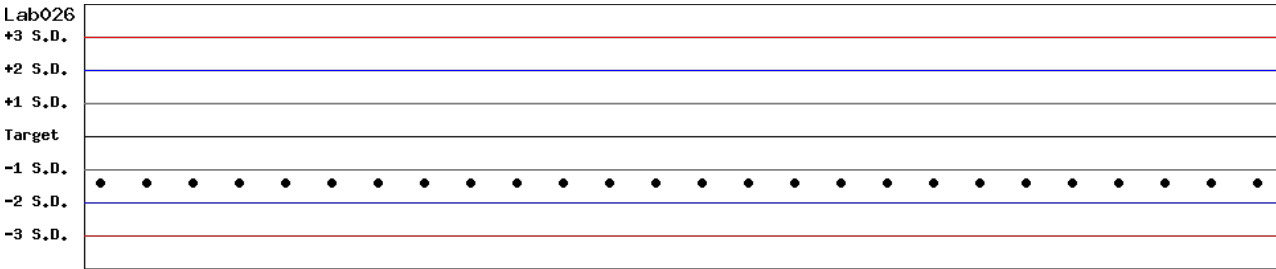
月統計 : 2024 11 Change ; 累計期間 (CUM) : 自 2024 07 09 至 2024 11 12 Change

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Control N SDI 分佈圖

Lot No.: AE0909N ; 檢驗期間 : 2024-07-09 至 2024-11-12 ; 目標值 (Target) : 15.9 ; 參考標準差 (SD) : 2.20

單位 : Lab026



Date 07-09 07-16 07-17 07-18 07-23 07-25 07-30 08-01 08-06 08-08 08-13 08-15 08-20 08-22 08-27 08-29 09-03 09-05 09-10 09-12 09-17 09-19 09-26 11-05 11-07 11-12

月統計 : 2024 11 Change ; 累計期間 (CUM) : 自 2024 07 09 至 2024 11 12 Change

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Control D SDI 分佈圖

Lot No.: AE0909D; 檢驗期間: 2024-07-09 至 2024-11-12; 目標值 (Target): 5.8; 參考標準差 (SD): 1.40

單位: Lab026

Lab026

+3 S.D.

+2 S.D.

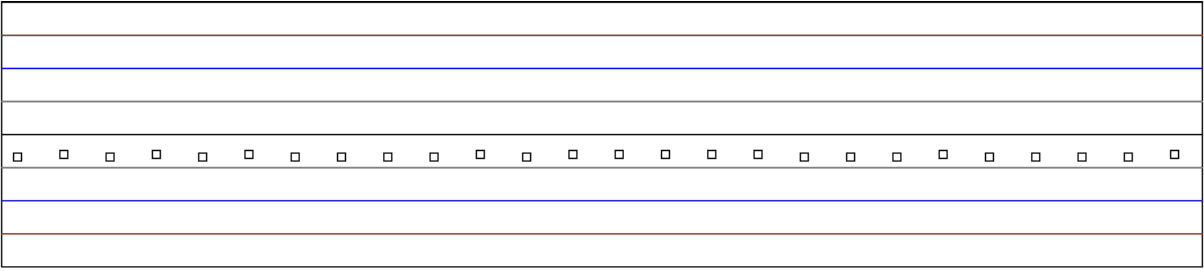
+1 S.D.

Target

-1 S.D.

-2 S.D.

-3 S.D.



Date

07-09 07-16 07-17 07-18 07-23 07-25 07-30 08-01 08-06 08-08 08-13 08-15 08-20 08-22 08-27 08-29 09-03 09-05 09-10 09-12 09-17 09-19 09-26 11-05 11-07 11-12

月統計: 2024 ▾ 11 ▾ Change ; 累計期間 (CUM): 自 2024 ▾ 07 ▾ 09 ▾ 至 2024 ▾ 11 ▾ 12 ▾ Change

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Peer Group Statistics (Table 1)

Select LotNo : AE0909N (2016-01-01 ~ 2100-12-31) Change

Select Reagent Kit : 5 - Medicon Change

[Print Table 1](#)

Monthly

Month : 2024 11 Change

UnitID ↑	Reagent Kit (Code) ↑	Control N (Lot No.: AE0909N)								Control D (Lot No.: AE0909D)							
		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
Lab026	5	15.9	12.9	3	0.1	0.8	20.4	20	1.4	5.8	4.8	3	0.1	2.1	21.4	20	1.3
Total	-	-	12.9	3	0.1	0.8	-	-	-	-	4.8	3	0.1	2.1	-	-	-

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

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

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

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Cumulative

Cumulative : from 2016 02 01 to 2024 11 30 Change

UnitID ↑	Reagent Kit (Code) ↑	Control N (Lot No.: AE0909N)								Control D (Lot No.: AE0909D)							
		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	16.2	15.2	173	1.2	7.9	22.0	20	1.8	5.5	5.5	173	0.3	5.5	10.9	20	3.6
Lab019	5	15.3	15.2	111	0.3	2.0	4.6	20	>6	5.3	5.3	111	0.2	3.8	7.5	20	5.3
Lab020	5	14.4	15.2	28	0.5	3.3	12.1	20	4.4	5.8	5.3	28	0.3	5.7	19.9	20	2.0
Lab026	5	15.9	13.2	813	0.9	6.8	30.6	20	0.4	5.8	5.0	813	0.3	6.0	25.8	20	1.0
Lab027	5	15.5	15.5	107	1.3	8.4	16.8	20	2.4	5.4	5.6	107	0.5	8.9	21.6	20	1.8
Lab028	5	14.8	14.5	134	0.7	4.8	11.7	20	3.7	4.8	5.6	134	0.3	5.4	27.4	20	0.6
Lab032	5	15.3	15.9	38	0.9	5.7	15.2	20	2.8	5.2	5.7	38	0.3	5.3	20.1	20	2.0
Lab033	5	14.4	14.9	49	0.6	4.0	11.5	20	4.1	5.8	5.2	49	0.2	3.8	18.0	20	2.5
Lab034	5	15.5	14.7	96	0.9	6.1	17.4	20	2.4	4.8	5.0	96	0.4	8.0	20.2	20	2.0
Lab037	5	14.9	15.2	30	0.8	5.3	12.5	20	3.4	5.4	5.5	30	0.3	5.5	12.8	20	3.3
Lab040	5	14.4	13.2	40	0.7	5.3	18.9	20	2.2	5.8	4.7	40	0.3	6.4	31.7	20	0.2
Lab043	5	11.5	13.0	88	0.9	6.9	26.9	20	1.0	4.5	4.8	88	0.4	8.3	23.3	20	1.6
Total	-	-	14.0	1707	1.3	9.3	-	-	-	-	5.2	1707	0.4	7.7	-	-	-

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 : AE0909N (2016-01-01 ~ 2100-12-31) Change

Select Reagent Kit : 5 - Medicon Change

Print Table 2

Control N Month vs. Cumulative

		Control N (Lot No.: AE0909N)															
		Month (2024/11)								CUM (2016/02/01~2024/11/30)							
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
Lab018	5	16.2	-	0	-	-	-	20	-	16.2	15.2	173	1.2	7.9	22.0	20	1.8
Lab019	5	15.3	-	0	-	-	-	20	-	15.3	15.2	111	0.3	2.0	4.6	20	>6
Lab020	5	14.4	-	0	-	-	-	20	-	14.4	15.2	28	0.5	3.3	12.1	20	4.4
Lab026	5	15.9	12.9	3	0.1	0.8	20.4	20	1.4	15.9	13.2	813	0.9	6.8	30.6	20	0.4
Lab027	5	15.5	-	0	-	-	-	20	-	15.5	15.5	107	1.3	8.4	16.8	20	2.4
Lab028	5	14.8	-	0	-	-	-	20	-	14.8	14.5	134	0.7	4.8	11.7	20	3.7
Lab032	5	15.3	-	0	-	-	-	20	-	15.3	15.9	38	0.9	5.7	15.2	20	2.8
Lab033	5	14.4	-	0	-	-	-	20	-	14.4	14.9	49	0.6	4.0	11.5	20	4.1
Lab034	5	15.5	-	0	-	-	-	20	-	15.5	14.7	96	0.9	6.1	17.4	20	2.4
Lab037	5	14.9	-	0	-	-	-	20	-	14.9	15.2	30	0.8	5.3	12.5	20	3.4
Lab040	5	14.4	-	0	-	-	-	20	-	14.4	13.2	40	0.7	5.3	18.9	20	2.2
Lab043	5	11.5	-	0	-	-	-	20	-	11.5	13.0	88	0.9	6.9	26.9	20	1.0
Total	-	-	12.9	3	0.1	0.8	-	-	-	-	14.0	1707	1.3	9.3	-	-	-

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

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

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

Month : 2024 11 Change

Cumulative : from 2016 02 01 to 2024 11 30 Change

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Control D Month vs. Cumulative

		Control D (Lot No.: AE0909D)															
		Month (2024/11)								CUM (2016/02/01~2024/11/30)							
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
Lab018	5	5.5	-	0	-	-	-	20	-	5.5	5.5	173	0.3	5.5	10.9	20	3.6
Lab019	5	5.3	-	0	-	-	-	20	-	5.3	5.3	111	0.2	3.8	7.5	20	5.3
Lab020	5	5.8	-	0	-	-	-	20	-	5.8	5.3	28	0.3	5.7	19.9	20	2.0
Lab026	5	5.8	4.8	3	0.1	2.1	21.4	20	1.3	5.8	5.0	813	0.3	6.0	25.8	20	1.0
Lab027	5	5.4	-	0	-	-	-	20	-	5.4	5.6	107	0.5	8.9	21.6	20	1.8
Lab028	5	4.8	-	0	-	-	-	20	-	4.8	5.6	134	0.3	5.4	27.4	20	0.6
Lab032	5	5.2	-	0	-	-	-	20	-	5.2	5.7	38	0.3	5.3	20.1	20	2.0
Lab033	5	5.8	-	0	-	-	-	20	-	5.8	5.2	49	0.2	3.8	18.0	20	2.5
Lab034	5	4.8	-	0	-	-	-	20	-	4.8	5.0	96	0.4	8.0	20.2	20	2.0
Lab037	5	5.4	-	0	-	-	-	20	-	5.4	5.5	30	0.3	5.5	12.8	20	3.3
Lab040	5	5.8	-	0	-	-	-	20	-	5.8	4.7	40	0.3	6.4	31.7	20	0.2
Lab043	5	4.5	-	0	-	-	-	20	-	4.5	4.8	88	0.4	8.3	23.3	20	1.6
Total	-	-	4.8	3	0.1	2.1	-	-	-	-	5.2	1707	0.4	7.7	-	-	-

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

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

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

Month : 2024 11 Change

Cumulative : from 2016 02 01 to 2024 11 30 Change

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Reagent Kit	Reagent Code
Medicon	5