

G6PD 定量檢驗內部品管統計結果及 SDI 分佈圖

選擇 LotNo : AH1220N (2019-01-28 ~ 2100-12-31) Change

列印圖表

檢驗單位 : Lab050

QC Control Lot No.	Control N		Control D	
	AH1220N		AH1220D	
檢驗期間	Month (2023/08)	CUM (2023/05/04~2023/08/25)	Month (2023/08)	CUM (2023/05/04~2023/08/25)
累計點數 (N)	6	26	6	26
累計平均值 (Mean) U/gHb	13.8	13.8	4.3	4.4
累計標準差 (SD)	0.2	0.4	0.1	0.1
累計變異係數 (CV) %	1.4	2.9	2.3	2.3
目標值 (Target) U/gHb	13.8	13.8	4.3	4.3
總誤差 (TE) %	2.9	5.8	4.7	6.9
可容許總誤差 (TEa) %	20	20	20	20
σ	>6	>6	>6	>6

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 : 2023 08 Change ; 累計期間 (CUM) : 自 2023 05 04 至 2023 08 25 Change

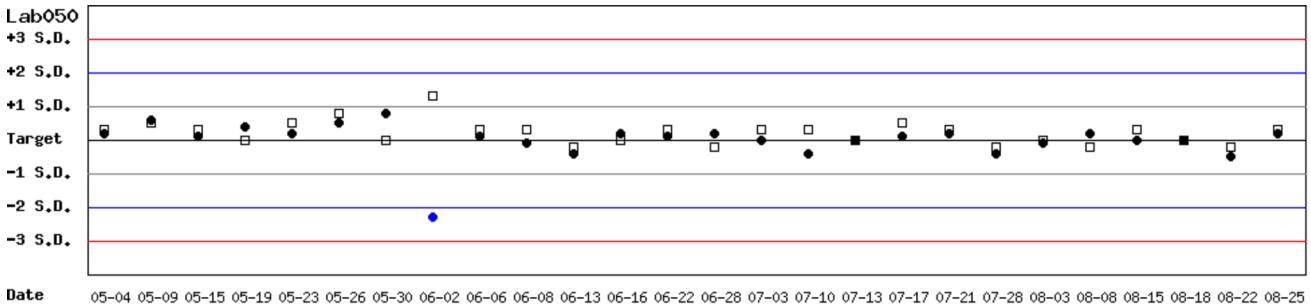
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Control N 及 Control D SDI 分佈圖

Lot No.: AH1220N ; 檢驗期間 : 2023-05-04 至 2023-08-25 ; 目標值 (Target) : 13.8 ; 參考標準差 (SD) : 0.8 (●)

Lot No.: AH1220D ; 檢驗期間 : 2023-05-04 至 2023-08-25 ; 目標值 (Target) : 4.3 ; 參考標準差 (SD) : 0.4 (□)

單位 : Lab050



Date 05-04 05-09 05-15 05-19 05-23 05-26 05-30 06-02 06-06 06-08 06-13 06-16 06-22 06-28 07-03 07-10 07-13 07-17 07-21 07-28 08-03 08-08 08-15 08-18 08-22 08-25

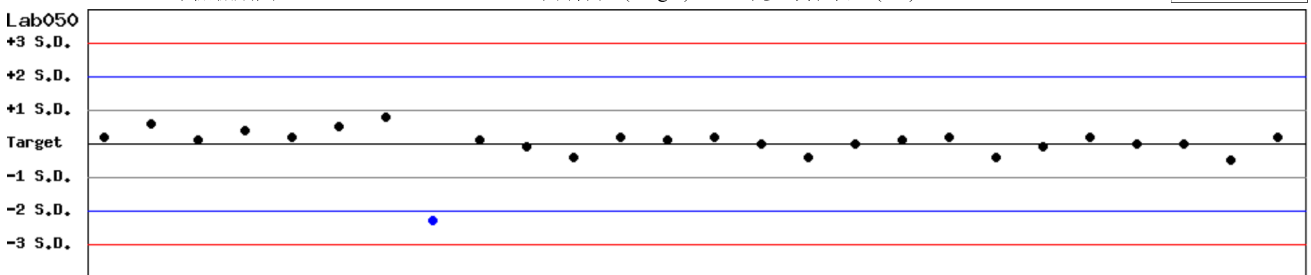
月統計 : 2023 08 Change ; 累計期間 (CUM) : 自 2023 05 04 至 2023 08 25 Change

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Control N SDI 分佈圖

Lot No.: AH1220N ; 檢驗期間 : 2023-05-04 至 2023-08-25 ; 目標值 (Target) : 13.8 ; 參考標準差 (SD) : 0.8

單位 : Lab050



Date 05-04 05-09 05-15 05-19 05-23 05-26 05-30 06-02 06-06 06-08 06-13 06-16 06-22 06-28 07-03 07-10 07-13 07-17 07-21 07-28 08-03 08-08 08-15 08-18 08-22 08-25

月統計 : 2023 08 Change ; 累計期間 (CUM) : 自 2023 05 04 至 2023 08 25 Change

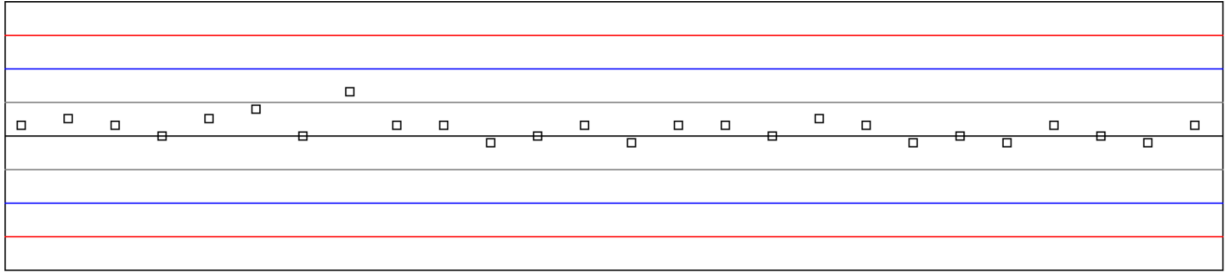
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Control D SDI 分佈圖

Lot No.: AH1220D ; 檢驗期間 : 2023-05-04 至 2023-08-25 ; 目標值 (Target) : 4.3 ; 參考標準差 (SD) : 0.4

單位 : Lab050

Lab050
+3 S.D.
+2 S.D.
+1 S.D.
Target
-1 S.D.
-2 S.D.
-3 S.D.



Date 05-04 05-09 05-15 05-19 05-23 05-26 05-30 06-02 06-06 06-08 06-13 06-16 06-22 06-28 07-03 07-10 07-13 07-17 07-21 07-28 08-03 08-08 08-15 08-18 08-22 08-25

月統計 : 2023 ▾ 08 ▾ Change ; 累計期間 (CUM) : 自 2023 ▾ 05 ▾ 04 ▾ 至 2023 ▾ 08 ▾ 25 ▾ Change

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Peer Group Statistics (Table 1)

Select LotNo : AH1220N (2019-01-28 ~ 2100-12-31)

Select Reagent Kit : 5 - Medicon

Monthly

Month : 2023

UnitID <input type="button" value="↑"/>	Reagent Kit (Code) <input type="button" value="↑"/>	Control N (Lot No.: AH1220N)								Control D (Lot No.: AH1220D)							
		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
Lab034	5	15.3	14.3	3	1.0	7.0	20.5	20	1.9	5.2	5.4	3	0.4	7.4	18.7	20	2.2
Lab050	5	13.8	13.8	6	0.2	1.4	2.9	20	>6	4.3	4.3	6	0.1	2.3	4.7	20	>6
Total	-	-	14.0	9	0.6	4.3	-	-	-	-	4.7	9	0.6	12.8	-	-	-

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

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

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

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Cumulative

Cumulative : from 2019 to 2023

UnitID <input type="button" value="↑"/>	Reagent Kit (Code) <input type="button" value="↑"/>	Control N (Lot No.: AH1220N)								Control D (Lot No.: AH1220D)							
		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
Lab019	5	15.0	14.8	67	0.5	3.4	8.1	20	5.5	4.6	4.5	67	0.2	4.4	11.1	20	4.1
Lab020	5	13.3	14.3	65	1.0	7.0	21.5	20	1.8	4.3	4.5	65	0.2	4.4	13.5	20	3.5
Lab022	5	13.8	13.0	88	0.9	6.9	19.6	20	2.1	4.4	4.2	88	0.2	4.8	14.1	20	3.2
Lab028	5	14.6	14.6	53	0.4	2.7	5.5	20	>6	4.6	4.6	53	0.2	4.3	8.7	20	4.7
Lab032	5	12.1	12.9	136	1.4	10.9	28.3	20	1.2	3.5	4.0	136	0.5	12.5	39.3	20	0.5
Lab033	5	12.4	12.5	144	0.4	3.2	7.2	20	6.0	3.9	3.9	144	0.2	5.1	10.3	20	3.9
Lab034	5	15.3	14.3	128	1.0	7.0	20.5	20	1.9	5.2	4.7	128	0.4	8.5	26.6	20	1.2
Lab037	5	15.3	15.2	55	0.4	2.6	5.9	20	>6	5.2	4.7	55	0.2	4.3	18.1	20	2.4
Lab040	5	13.9	14.6	40	0.6	4.1	13.3	20	3.6	4.6	5.0	40	0.4	8.0	24.7	20	1.4
Lab043	5	13.8	12.7	19	0.7	5.5	19.0	20	2.2	4.4	4.1	19	0.3	7.3	21.5	20	1.8
Lab047	5	14.7	13.7	26	1.2	8.8	24.3	20	1.5	4.6	4.3	26	0.3	7.0	20.5	20	1.9
Lab049	5	14.7	14.3	42	0.5	3.5	9.7	20	4.9	4.9	4.7	42	0.3	6.4	16.8	20	2.5
Lab050	5	13.8	14.1	186	0.5	3.5	9.3	20	5.1	4.3	4.4	186	0.1	2.3	6.9	20	>6
Total	-	-	13.8	1049	1.2	8.7	-	-	-	-	4.4	1049	0.4	9.1	-	-	-

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 : AH1220N (2019-01-28 ~ 2100-12-31) ▼ Change

Select Reagent Kit : 5 - Medicon ▼ Change

Print Table 2

Control N Month vs. Cumulative

		Control N (Lot No.: AH1220N)															
		Month (2023/08)									CUM (2019/02/01~2023/08/31)						
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
Lab019	5	15.0	-	0	-	-	-	20	-	15.0	14.8	67	0.5	3.4	8.1	20	5.5
Lab020	5	13.3	-	0	-	-	-	20	-	13.3	14.3	65	1.0	7.0	21.5	20	1.8
Lab022	5	13.8	-	0	-	-	-	20	-	13.8	13.0	88	0.9	6.9	19.6	20	2.1
Lab028	5	14.6	-	0	-	-	-	20	-	14.6	14.6	53	0.4	2.7	5.5	20	>6
Lab032	5	12.1	-	0	-	-	-	20	-	12.1	12.9	136	1.4	10.9	28.3	20	1.2
Lab033	5	12.4	-	0	-	-	-	20	-	12.4	12.5	144	0.4	3.2	7.2	20	6.0
Lab034	5	15.3	14.3	3	1.0	7.0	20.5	20	1.9	15.3	14.3	128	1.0	7.0	20.5	20	1.9
Lab037	5	15.3	-	0	-	-	-	20	-	15.3	15.2	55	0.4	2.6	5.9	20	>6
Lab040	5	13.9	-	0	-	-	-	20	-	13.9	14.6	40	0.6	4.1	13.3	20	3.6
Lab043	5	13.8	-	0	-	-	-	20	-	13.8	12.7	19	0.7	5.5	19.0	20	2.2
Lab047	5	14.7	-	0	-	-	-	20	-	14.7	13.7	26	1.2	8.8	24.3	20	1.5
Lab049	5	14.7	-	0	-	-	-	20	-	14.7	14.3	42	0.5	3.5	9.7	20	4.9
Lab050	5	13.8	13.8	6	0.2	1.4	2.9	20	>6	13.8	14.1	186	0.5	3.5	9.3	20	5.1
Total	-	-	14.0	9	0.6	4.3	-	-	-	-	13.8	1049	1.2	8.7	-	-	-

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

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

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

Month : 2023 ▼ 08 ▼ Change

Cumulative : from 2019 ▼ 02 ▼ 01 ▼ to 2023 ▼ 08 ▼ 31 ▼ Change

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Control D Month vs. Cumulative

		Control D (Lot No.: AH1220D)															
		Month (2023/08)									CUM (2019/02/01~2023/08/31)						
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
Lab019	5	4.6	-	0	-	-	-	20	-	4.6	4.5	67	0.2	4.4	11.1	20	4.1
Lab020	5	4.3	-	0	-	-	-	20	-	4.3	4.5	65	0.2	4.4	13.5	20	3.5
Lab022	5	4.4	-	0	-	-	-	20	-	4.4	4.2	88	0.2	4.8	14.1	20	3.2
Lab028	5	4.6	-	0	-	-	-	20	-	4.6	4.6	53	0.2	4.3	8.7	20	4.7
Lab032	5	3.5	-	0	-	-	-	20	-	3.5	4.0	136	0.5	12.5	39.3	20	0.5
Lab033	5	3.9	-	0	-	-	-	20	-	3.9	3.9	144	0.2	5.1	10.3	20	3.9
Lab034	5	5.2	5.4	3	0.4	7.4	18.7	20	2.2	5.2	4.7	128	0.4	8.5	26.6	20	1.2
Lab037	5	5.2	-	0	-	-	-	20	-	5.2	4.7	55	0.2	4.3	18.1	20	2.4
Lab040	5	4.6	-	0	-	-	-	20	-	4.6	5.0	40	0.4	8.0	24.7	20	1.4
Lab043	5	4.4	-	0	-	-	-	20	-	4.4	4.1	19	0.3	7.3	21.5	20	1.8
Lab047	5	4.6	-	0	-	-	-	20	-	4.6	4.3	26	0.3	7.0	20.5	20	1.9
Lab049	5	4.9	-	0	-	-	-	20	-	4.9	4.7	42	0.3	6.4	16.8	20	2.5
Lab050	5	4.3	4.3	6	0.1	2.3	4.7	20	>6	4.3	4.4	186	0.1	2.3	6.9	20	>6
Total	-	-	4.7	9	0.6	12.8	-	-	-	-	4.4	1049	0.4	9.1	-	-	-

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

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

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

Month : 2023 ▼ 08 ▼ Change

Cumulative : from 2019 ▼ 02 ▼ 01 ▼ to 2023 ▼ 08 ▼ 31 ▼ Change

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Reagent Kit	Reagent Code
Medicon	5