

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 : Lab034

| QC Control Lot No. | Control N | | Control D | |
|--------------------|-----------------|-----------------------------|-----------------|-----------------------------|
| | AH1220N | | AH1220D | |
| 檢驗期間 | Month (2023/08) | CUM (2023/01/12~2023/08/25) | Month (2023/08) | CUM (2023/01/12~2023/08/25) |
| 累計點數 (N) | 3 | 26 | 3 | 26 |
| 累計平均值 (Mean) U/gHb | 14.3 | 14.1 | 5.4 | 5.0 |
| 累計標準差 (SD) | 1.0 | 0.8 | 0.4 | 0.3 |
| 累計變異係數 (CV) % | 7.0 | 5.7 | 7.4 | 6.0 |
| 目標值 (Target) U/gHb | 15.3 | 15.3 | 5.2 | 5.2 |
| 總誤差 (TE) % | 20.5 | 19.2 | 18.7 | 15.8 |
| 可容許總誤差 (TEa) % | 20 | 20 | 20 | 20 |
| σ | 1.9 | 2.1 | 2.2 | 2.7 |

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 01 12 至 2023 08 25 Change

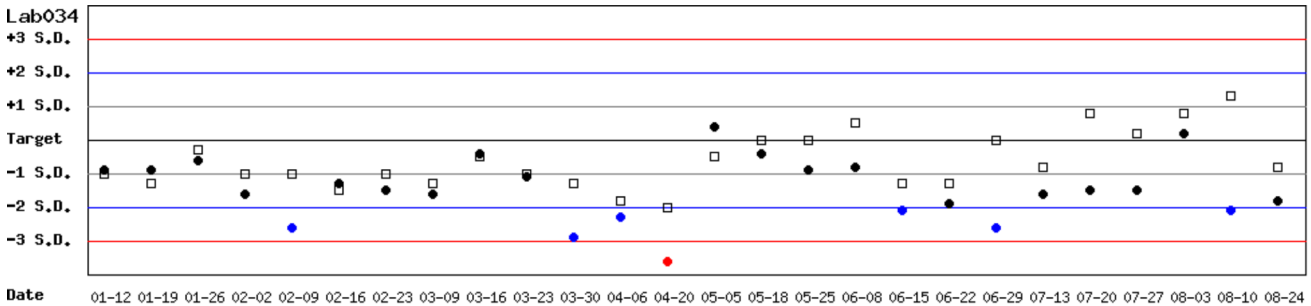
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Control N 及 Control D SDI 分佈圖

Lot No.: AH1220N ; 檢驗期間 : 2023-01-12 至 2023-08-25 ; 目標值 (Target) : 15.3 ; 參考標準差 (SD) : 0.8 (●)

Lot No.: AH1220D ; 檢驗期間 : 2023-01-12 至 2023-08-25 ; 目標值 (Target) : 5.2 ; 參考標準差 (SD) : 0.4 (□)

單位 : Lab034



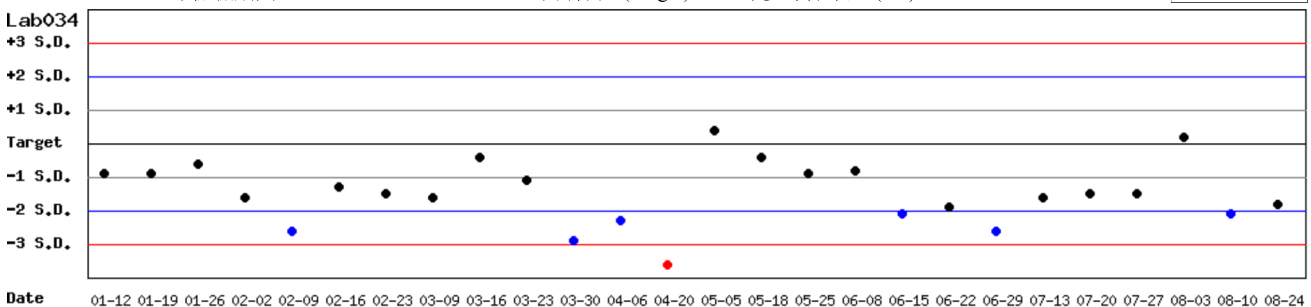
月統計 : 2023 08 Change ; 累計期間 (CUM) : 自 2023 01 12 至 2023 08 25 Change

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Control N SDI 分佈圖

Lot No.: AH1220N ; 檢驗期間 : 2023-01-12 至 2023-08-25 ; 目標值 (Target) : 15.3 ; 參考標準差 (SD) : 0.8

單位 : Lab034



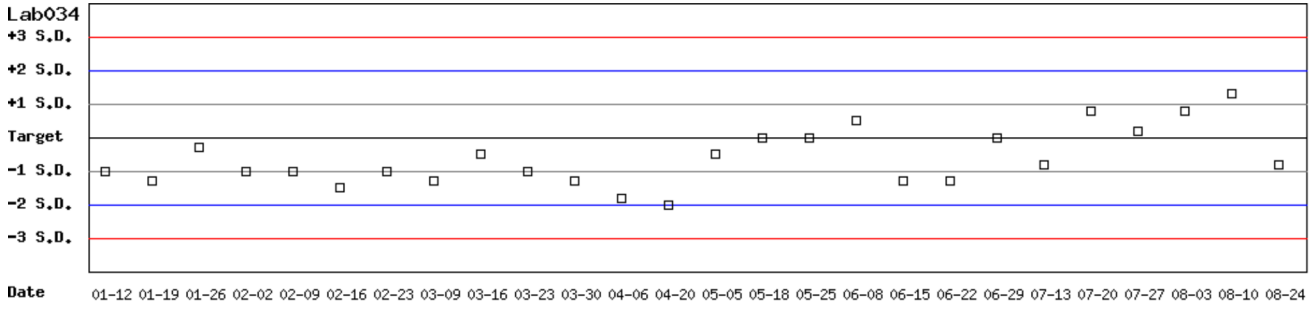
月統計 : 2023 08 Change ; 累計期間 (CUM) : 自 2023 01 12 至 2023 08 25 Change

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Control D SDI 分佈圖

Lot No.: AH1220D ; 檢驗期間 : 2023-01-12 至 2023-08-25 ; 目標值 (Target) : 5.2 ; 參考標準差 (SD) : 0.4

單位 : Lab034



月統計 : 2023 08 Change ; 累計期間 (CUM) : 自 2023 01 12 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 × 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 × 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 |