QC Chart of Internal Quality Control (IQC)for G6PD Quantitative Test

Select LotNo：BJ0922N (2021-01-01 ~ 2100-12-31) ∨ | Change |

Print Table

Lab049

	Control N		Control D	
QC Control Lot No.	BJ0922N		BJ0922D	
Duration of the Analyzing	Month (2026/01)	CUM (2025/07/23~2026/01/29)	Month (2026/01)	CUM (2025/07/23~2026/01/29)
Runs (N)	4	26	4	26
Mean (U/gHb)	13.1	13.7	4.8	4.7
SD	0.1	0.7	0.1	0.3
CV (%)	0.8	5.1	2.1	6.4
Target Value (U/gHb)	13.8	13.8	4.7	4.7
Total Error (%)	6.6	10.9	6.3	12.8
TEa (%)	20	20	20	20
σ	>6	3.8	>6	3.1

Bias (%) = [(│Mean - Target│) / Target] x 100%
TE：Total Error(%) = Bias (%) + 2 × CV (%)
σ (Sigma) = [TEa% - Bias (%)] / CV (%)

Month：| 2026 ∨ | 01 ∨ | Change | ; Cumulative : from | 2025 ∨ | 07 ∨ | 23 ∨ | to | 2026 ∨ | 01 ∨ | 29 ∨ | Change |
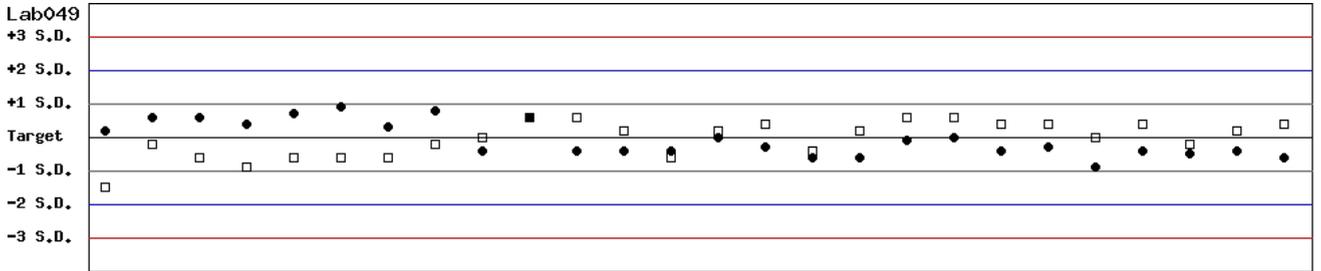
[TOP]

Control N and Control D SDI QC Chart

Lot No.: BJ0922N ; Duration : 2025-07-23 to 2026-01-29 ; Target : 13.8 ; SD : 1.38　　(●)

Lot No.: BJ0922D ; Duration : 2025-07-23 to 2026-01-29 ; Target : 4.7 ; SD : 0.47　　(□)

Month：| 2026 ∨ | 01 ∨ | Change | ; Cumulative : from | 2025 ∨ | 07 ∨ | 23 ∨ | to | 2026 ∨ | 01 ∨ | 29 ∨ | Change |

[TOP]

Control N SDI QC Chart
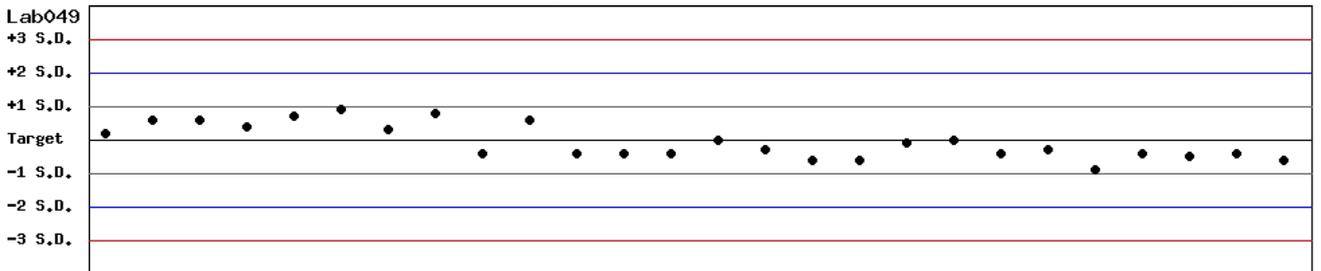
Lot No.: BJ0922N ; Duration : 2025-07-23 to 2026-01-29 ; Target : 13.8 ; SD : 1.38

Month：| 2026 ∨ | 01 ∨ | Change | ; Cumulative : from | 2025 ∨ | 07 ∨ | 23 ∨ | to | 2026 ∨ | 01 ∨ | 29 ∨ | Change |

[TOP]

Control D SDI QC Chart

Lot No.: BJ0922D ; Duration : 2025-07-23 to 2026-01-29 ; Target : 4.7 ; SD : 0.47
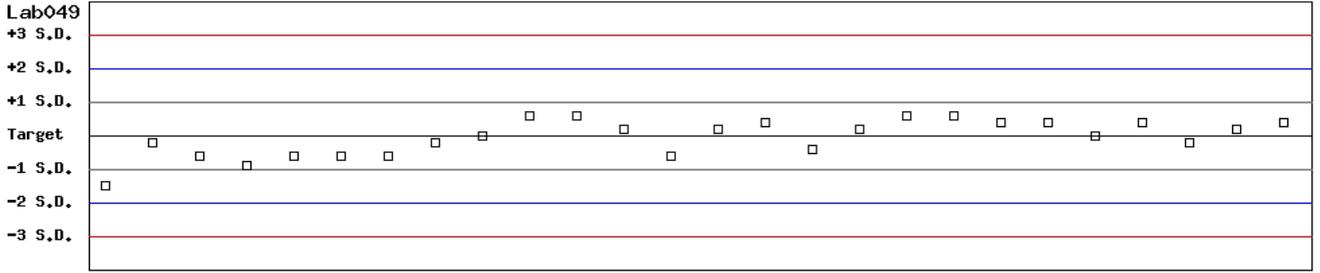
Month : [2026 ∨] [01 ∨] [Change]   ;   Cumulative : from [2025 ∨] [07 ∨] [23 ∨] to [2026 ∨] [01 ∨] [29 ∨] [Change]

[TOP]

Peer Group Statistics (Table 1)

Select LotNo：[BJ0922N (2021-01-01 ~ 2100-12-31) ▾] [Change]

Select Reagent Kit：[5 - Medicon ▾] [Change]

[Print Table 1]

Monthly

Month : [2026 ▾] [01 ▾] [Change]

UnitID ⬆	Reagent Kit (Code) ⬆	Control N (Lot No.: BJ0922N)								Control D (Lot No.: BJ0922D)							
		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	13.8	14.7	3	0.4	2.7	12.0	20	5.0	4.7	4.3	3	0.1	2.3	13.2	20	5.0
Lab043	5	13.2	13.7	15	0.5	3.6	11.1	20	4.5	4.2	4.7	15	0.2	4.3	20.4	20	1.9
Lab049	5	13.8	13.1	4	0.1	0.8	6.6	20	>6	4.7	4.8	4	0.1	2.1	6.3	20	>6
Total	-	-	13.8	22	0.6	4.3	-	-	-	-	4.6	22	0.2	4.3	-	-	-

Bias (%) = [(│Mean - Target│) / Target] x 100%
TE：Total Error(%) = Bias (%) + 2 × CV (%)
σ (Sigma) = [TEa% - Bias (%)] / CV (%)

[TOP]

Cumulative

Cumulative : from [2021 ▾] [01 ▾] [01 ▾] to [2026 ▾] [01 ▾] [31 ▾] [Change]

UnitID ⬆	Reagent Kit (Code) ⬆	Control N (Lot No.: BJ0922N)								Control D (Lot No.: BJ0922D)							
		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	15.3	113	0.4	2.6	10.8	20	5.6	5.5	5.4	113	0.1	1.9	5.5	20	>6
Lab019	5	14.7	14.6	177	0.5	3.4	7.5	20	5.7	5.0	4.8	177	0.2	4.2	12.3	20	3.8
Lab020	5	14.4	14.4	90	0.5	3.5	6.9	20	5.7	4.6	4.7	90	0.2	4.3	10.7	20	4.1
Lab022	5	14.4	14.4	27	0.5	3.5	6.9	20	5.7	4.6	4.7	27	0.3	6.4	14.9	20	2.8
Lab025	5	14.4	14.2	13	0.5	3.5	8.4	20	5.3	5.4	5.1	13	0.3	5.9	17.3	20	2.4
Lab028	5	15.2	15.0	66	0.9	6.0	13.3	20	3.1	4.9	5.1	66	0.3	5.9	15.8	20	2.7
Lab032	5	14.9	14.3	153	0.4	2.8	9.6	20	5.7	4.8	4.5	153	0.2	4.4	15.1	20	3.1
Lab033	5	13.8	13.6	81	0.7	5.1	11.7	20	3.6	4.7	4.6	81	0.3	6.5	15.2	20	2.7
Lab034	5	13.8	14.6	56	0.6	4.1	14.0	20	3.5	4.7	4.9	56	0.7	14.3	32.8	20	1.1
Lab037	5	13.8	14.5	59	0.5	3.4	12.0	20	4.4	4.7	4.7	59	0.2	4.3	8.5	20	4.7
Lab040	5	14.4	14.8	169	0.2	1.4	5.5	20	>6	4.6	4.6	169	0.1	2.2	4.3	20	>6
Lab043	5	13.2	14.0	235	0.9	6.4	18.9	20	2.2	4.2	4.7	235	0.3	6.4	24.7	20	1.3
Lab049	5	13.8	14.3	293	0.6	4.2	12.0	20	3.9	4.7	4.7	293	0.3	6.4	12.8	20	3.1
Lab050	5	13.8	14.4	117	0.6	4.2	12.7	20	3.7	4.7	5.1	117	0.5	9.8	28.1	20	1.2
Total	-	-	14.4	1649	0.7	4.9	-	-	-	-	4.8	1649	0.4	8.3	-	-	-

Bias (%) = [(│Mean - Target│) / Target] x 100%
TE：Total Error(%) = Bias (%) + 2 × CV (%)
σ (Sigma) = [TEa% - Bias (%)] / CV (%)

[TOP]

Reagent Kit	Reagent Code
Medicon	5

Peer Group Statistics (Table 2)

Select LotNo：[BJ0922N (2021-01-01 ~ 2100-12-31) ⌄] [Change]

Select Reagent Kit：[5 - Medicon ⌄] [Change]

[Print Table 2]

Control N Month vs. Cumulative

		Control N (Lot No.: BJ0922N)														
		Month (2026/01)								CUM (2021/01/01~2026/01/31)						
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	16.2	-	0	-	-	-	20	-	16.2	15.3	113	0.4	2.6	10.8	20	5.6
Lab019	5	14.7	-	0	-	-	-	20	-	14.7	14.6	177	0.5	3.4	7.5	20	5.7
Lab020	5	14.4	-	0	-	-	-	20	-	14.4	14.4	90	0.5	3.5	6.9	20	5.7
Lab022	5	14.4	-	0	-	-	-	20	-	14.4	14.4	27	0.5	3.5	6.9	20	5.7
Lab025	5	14.4	-	0	-	-	-	20	-	14.4	14.2	13	0.5	3.5	8.4	20	5.3
Lab028	5	15.2	-	0	-	-	-	20	-	15.2	15.0	66	0.9	6.0	13.3	20	3.1
Lab032	5	14.9	-	0	-	-	-	20	-	14.9	14.3	153	0.4	2.8	9.6	20	5.7
Lab033	5	13.8	-	0	-	-	-	20	-	13.8	13.6	81	0.7	5.1	11.7	20	3.6
Lab034	5	13.8	14.7	3	0.4	2.7	12.0	20	5.0	13.8	14.6	56	0.6	4.1	14.0	20	3.5
Lab037	5	13.8	-	0	-	-	-	20	-	13.8	14.5	59	0.5	3.4	12.0	20	4.4
Lab040	5	14.4	-	0	-	-	-	20	-	14.4	14.8	169	0.2	1.4	5.5	20	>6
Lab043	5	13.2	13.7	15	0.5	3.6	11.1	20	4.5	13.2	14.0	235	0.9	6.4	18.9	20	2.2
Lab049	5	13.8	13.1	4	0.1	0.8	6.6	20	>6	13.8	14.3	293	0.6	4.2	12.0	20	3.9
Lab050	5	13.8	-	0	-	-	-	20	-	13.8	14.4	117	0.6	4.2	12.7	20	3.7
Total	-	-	13.8	22	0.6	4.3	-	-	-	-	14.4	1649	0.7	4.9	-	-	-

Bias (%) = [(│Mean - Target│) / Target] x 100%
TE：Total Error(%) = Bias (%) + 2 × CV (%)
σ (Sigma) = [TEa% - Bias (%)] / CV (%)

Month : [2026 ⌄] [01 ⌄] [Change]   Cumulative : from [2021 ⌄] [01 ⌄] [01 ⌄] to [2026 ⌄] [01 ⌄] [31 ⌄] [Change]

[TOP]

Control D Month vs. Cumulative

		Control D (Lot No.: BJ0922D)														
		Month (2026/01)								CUM (2021/01/01~2026/01/31)						
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	5.5	-	0	-	-	-	20	-	5.5	5.4	113	0.1	1.9	5.5	20	>6
Lab019	5	5.0	-	0	-	-	-	20	-	5.0	4.8	177	0.2	4.2	12.3	20	3.8
Lab020	5	4.6	-	0	-	-	-	20	-	4.6	4.7	90	0.2	4.3	10.7	20	4.1
Lab022	5	4.6	-	0	-	-	-	20	-	4.6	4.7	27	0.3	6.4	14.9	20	2.8
Lab025	5	5.4	-	0	-	-	-	20	-	5.4	5.1	13	0.3	5.9	17.3	20	2.4
Lab028	5	4.9	-	0	-	-	-	20	-	4.9	5.1	66	0.3	5.9	15.8	20	2.7
Lab032	5	4.8	-	0	-	-	-	20	-	4.8	4.5	153	0.2	4.4	15.1	20	3.1
Lab033	5	4.7	-	0	-	-	-	20	-	4.7	4.6	81	0.3	6.5	15.2	20	2.7
Lab034	5	4.7	4.3	3	0.1	2.3	13.2	20	5.0	4.7	4.9	56	0.7	14.3	32.8	20	1.1
Lab037	5	4.7	-	0	-	-	-	20	-	4.7	4.7	59	0.2	4.3	8.5	20	4.7
Lab040	5	4.6	-	0	-	-	-	20	-	4.6	4.6	169	0.1	2.2	4.3	20	>6
Lab043	5	4.2	4.7	15	0.2	4.3	20.4	20	1.9	4.2	4.7	235	0.3	6.4	24.7	20	1.3
Lab049	5	4.7	4.8	4	0.1	2.1	6.3	20	>6	4.7	4.7	293	0.3	6.4	12.8	20	3.1
Lab050	5	4.7	-	0	-	-	-	20	-	4.7	5.1	117	0.5	9.8	28.1	20	1.2
Total	-	-	4.6	22	0.2	4.3	-	-	-	-	4.8	1649	0.4	8.3	-	-	-

Bias (%) = [(│Mean - Target│) / Target] x 100%
TE：Total Error(%) = Bias (%) + 2 × CV (%)
σ (Sigma) = [TEa% - Bias (%)] / CV (%)

Month : [2026 ⌄] [01 ⌄] [Change]   Cumulative : from [2021 ⌄] [01 ⌄] [01 ⌄] to [2026 ⌄] [01 ⌄] [31 ⌄] [Change]

[TOP]

Reagent Kit	Reagent Code
Medicon	5