

Repeatability of G6PD Quantitative Test (I)

Survey No.: RH2025-03

Sample sent on: 2025/09/15

Reporting deadline: 2025/09/22

In this survey, Sample 1 and Sample 3 used the same lot of quality control sample. To evaluate the repeatability of each participant, we compared the difference between the test results of the two samples and its percentage of the mean.)

LabID	S1 (U/g Hb)	S2 (U/g Hb)	Mean ^a (U/g Hb)	Δ ^b (U/g Hb)	$\Delta\%$ ^c
F02	5.5	5.5	5.50	0.00	0.0%
F04	5.3	5.1	5.20	0.20	3.8%
F05	5.2	5.2	5.20	0.00	0.0%
F07	5.3	5.4	5.35	0.10	1.9%
F09	5.4	5.2	5.30	0.20	3.8%
F10	5.5	5.0	5.25	0.50	9.5%
F11	5.2	5.1	5.15	0.10	1.9%
F12	5.6	5.7	5.65	0.10	1.8%
F13	5.2	5.0	5.10	0.20	3.9%
F15	5.5	5.2	5.35	0.30	5.6%
F17	5.3	5.2	5.25	0.10	1.9%
F18	5.3	5.1	5.20	0.20	3.8%
F19	5.4	5.3	5.35	0.10	1.9%
F20	5.1	5.2	5.15	0.10	1.9%
F21	5.2	5.1	5.15	0.10	1.9%
F22	5.3	5.3	5.30	0.00	0.0%
F24	5.0	5.1	5.05	0.10	2.0%
F25	5.3	5.4	5.35	0.10	1.9%
F26	5.2	5.2	5.20	0.00	0.0%
F27	5.2	5.1	5.15	0.10	1.9%
F28	5.2	5.3	5.25	0.10	1.9%
F29	5.0	5.1	5.05	0.10	2.0%
F30	5.3	5.3	5.30	0.00	0.0%
F31	5.4	5.5	5.45	0.10	1.8%
F32	5.3	5.3	5.30	0.00	0.0%
F33	5.3	5.2	5.25	0.10	1.9%
F34	5.3	5.3	5.30	0.00	0.0%
F35	5.2	5.4	5.30	0.20	3.8%
F36	5.0	5.0	5.00	0.00	0.0%
F37	5.2	5.1	5.15	0.10	1.9%
Median	5.2		5.25	0.10	1.9%
Range	5.0 ~ 5.7		5.00 ~ 5.65	0.00 ~ 0.50	0.0% ~ 9.5%
Mean	5.3		5.25	0.11	2.1%

Note :

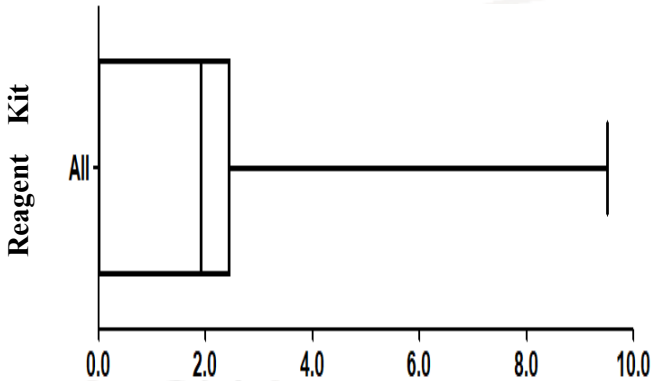
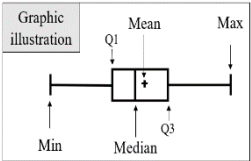
- a) $\text{Mean} = (S1 + S3) / 2$
- b) $\Delta = |S1 - S3|$
- c) $\Delta\% = \Delta / (\text{Mean})$

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Reagent Kit	Labs (n)	$\Delta\%$ median	$\Delta\%$ mean	$\Delta\%$ range
5	30	1.9%	2.1%	0.0% ~ 9.5%

Reagent kit 5 : Medicon

n < 5, NOT calculated