

Reference Document : Repeatability of G6PD Quantitative Test

Survey No.: RH2019-02 Sample sent on: 2019/04/15 Reporting deadline: 2019/04/22

In this survey (RH2019-02), 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/gHb)	S3 (U/gHb)	Mean ^a (U/gHb)	Δ ^b (U/gHb)	Δ% ^c
F02	12.7	12.5	12.60	0.2	1.6%
F03	11.5	11.9	11.70	0.4	3.4%
F04	11.6	12.1	11.85	0.5	4.2%
F05	12.0	11.8	11.90	0.2	1.7%
F07	11.7	11.6	11.65	0.1	0.9%
F08	12.0	11.6	11.80	0.4	3.4%
F09	11.8	12.3	12.05	0.5	4.1%
F10	11.4	11.3	11.35	0.1	0.9%
F11	11.1	11.5	11.30	0.4	3.5%
F12	10.7	11.1	10.90	0.4	3.7%
F13	11.9	11.9	11.90	0.0	0.0%
F14	9.2	8.9	9.05	0.3	3.3%
F15	12.2	12.1	12.15	0.1	0.8%
F17	12.7	13.7	13.20	1.0	7.6%
F18	11.8	11.3	11.55	0.5	4.3%
F19	12.6	12.1	12.35	0.5	4.0%
F20	11.5	11.4	11.45	0.1	0.9%
F21	11.8	11.9	11.85	0.1	0.8%
F22	11.8	12.3	12.05	0.5	4.1%
F24	12.2	12.0	12.10	0.2	1.7%
F25	12.0	12.3	12.15	0.3	2.5%
F26	11.0	11.5	11.25	0.5	4.4%
F27	11.5	11.9	11.70	0.4	3.4%
F28	11.7	11.6	11.65	0.1	0.9%
F29	11.3	11.8	11.55	0.5	4.3%
F30	12.2	12.2	12.20	0.0	0.0%
F31	12.5	12.4	12.45	0.1	0.8%
F32	12.0	11.8	11.90	0.2	1.7%
Xa (Median)	11.8		11.85	0.3	2.9%
Range	8.9 ~ 13.7		9.05 ~ 13.20	0.0 ~ 1.0	0% ~ 7.6%
Mean	11.8		11.77	0.31	2.6%
Reference	12.9				

Note :

a) $Mean = (S1 + S3) / 2$

b) $\Delta = | S1 - S3 |$

c) $\Delta\% = (S1 - S3) / (Mean)$