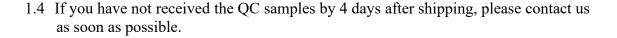
# Instruction to External Quality Assurance (EQA) for G6PD Quantitative Test

## 1. Report Quality Control Sample (QC sample) Received

- 1.1 1.1 Upon sample receipt, immediately log in at < https://g6pd.qap.tw/MIS\_Ph/> to report the QC sample arrival time as soon as QC sample arrived.
- 1.2 Report following informaions:
  - a) Time of receiving;
  - b) Sample Received Condition;
- 1.3 The online user instruction for the G6PD EQA MIS System is available at <a href="https://g6pd.qap.tw/G6PD\_Note\_RH\_Eng.htm">https://g6pd.qap.tw/G6PD\_Note\_RH\_Eng.htm</a>.



## 2. Storage

QC samples should be stored below -15°C upon arrival.

## 3. Assay Procedure

- 3.1 Open the vial carefully and add 0.5ml lysing reagent (the one your lab use).
- 3.2 Stand the vial on ice for 5 min, then shake gently until the lyophilized material is **totally** dissolved.
  - Note: Keep the dissolved hemolysate on ice and <u>use it as soon as possible</u>.
- 3.3 Use this dissolved QC material as the <u>hemolysate</u> for determination of both G6PD and hemoglobin directly.
- 3.4 The <u>hemolysate</u> should be assayed the same as patient samples in routine procedure run.

### 4. Report Results

- 4.1 Login the G6PD EQA MIS system < https://g6pd.qap.tw/MIS Ph/ > to report the QC results.
- 4.2 In order to facilitate the test results statistics, enter actual value. The system can not accept with> or < symbols, please check the test items must be accurate value. The units of test and the number of decimal places are set as follows:
  - a) G6PD value unit is U/g Hb, value units go in Tenths;
  - b) Hb value unit in g / dL, value units go in Tenths.
- 4.3 The reporting deadline of this survey is the 7 days after shipping.
- 4.4 If you want to make a correction after you have submitted the results, please fill the application form (<a href="https://g6pd.qap.tw/pdf/R406010103G6Ren.pdf">https://g6pd.qap.tw/pdf/R406010103G6Ren.pdf</a>) then email to <a href="mailto:g6pd@pmf.tw">g6pd@pmf.tw</a>.
- 4.5 Report the result in time, the reporting deadline will not be extended.

## 5. Warnings

- 5.1 High temperature and high relative humidity may lead to a reduction in quality of QC samples.
- 5.2 All of the blood materials used to produce QC samples have been tested and were found negative for HBsAg, Anti-HCV, STS (RPR or TPPA), HIV-1/HIV-2/HIV-O Ab, HIV p24 antigen, and Anti-HTLV. However, presence of these or other infectious agents cannot be excluded absolutely and therefore the QC samples should be treated as potential biohazards during testing and must be disposed appropriately.

## 6. Application for Reissue of the QC Samples

- 6.1 If you find the QC samples was broken, please take a photo of the QC samples and email to QAP center immediately. The QAP center will re-send the QC samples as soon as possible.
- 6.2 Report the result in time, the reporting deadline will **not be extended**.

#### 7. Notes

- 7.1 The homogeneity and stability of QC samples conform to the requirements of ISO17043:2023.
- 7.2 The individual laboratory report is confidential, will only be released to your laboratory and the authority concerned.

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