



**Ease of use and acceptability of the STANDARD™ G6PD  
analyser in POC settings**

Proficiency assessment of Health Workers  
V2.0, 26 Nov 2019

Health Worker ID:

The assessment was carried out by: \_\_\_\_\_

Assessor role: \_\_\_\_\_

Assessor telephone: \_\_\_\_\_

Assessor e-mail: \_\_\_\_\_

Date (dd/mm/yy): \_\_\_\_\_

Name of Health Facility: \_\_\_\_\_

City, Country: \_\_\_\_\_

**Brief Assessment Instructions:**

- Instruct the Health Worker (HW) to conduct the test on voluntary members of the study team (assessment conducted immediately after the training).
- Before starting the assessment, read through the questionnaire again to be familiar with all questions and have in mind which key steps will have to be observed.
- While the HW conducts the test, observe carefully each of the key steps, and quickly answer the relevant questions in the questionnaire. Provide comments wherever needed or useful, e.g. describe any difficulties encountered by the HW, or note any comments he/she might make while conducting the test.
- At the completion of the assessment, re-read all your answers to check the form is complete, and clarify any comments as required.

**Abbreviations:**

G6PD	Glucose-6-phosphate dehydrogenase
Hb	Hemoglobin
HW	Health Worker
IFU	Instructions for use
ID	Identification number

**CONFIDENTIAL**

*Developed by FIND in collaboration with the Menzies School of Health Research (Australia), the icddr.b (Bangladesh) and the University of Maastricht (Netherlands), for the use in training workshops on the STANDARD™ G6PD test. This document may be freely reviewed, quoted, reproduced or translated, in part or in full, provided the source is acknowledged.*



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**Information about the HW: Ask the HW the following questions**

	Answers	Comment(s)
Age		
Sex	<input type="checkbox"/> Male <input type="checkbox"/> Female	
Main professional activity (can check more than one box):	<input type="checkbox"/> Laboratory testing <input type="checkbox"/> Blood collection <input type="checkbox"/> Medical consultation <input type="checkbox"/> Laboratory management <input type="checkbox"/> Other (specify in comments section)	
Education/diploma:	<input type="checkbox"/> Lab technician <input type="checkbox"/> Nurse <input type="checkbox"/> Lab scientist <input type="checkbox"/> Medical Doctor <input type="checkbox"/> Other (specify in comments section)	
Professional experience	<input type="checkbox"/> More than 10 years <input type="checkbox"/> 5-10 years <input type="checkbox"/> 1-5 years <input type="checkbox"/> Less than 1 year	
Prior participation in research studies?	<input type="checkbox"/> Yes, more than 2 studies <input type="checkbox"/> Yes, but only 1-2 studies <input type="checkbox"/> None <input type="checkbox"/> Other (specify in comments)	
If yes to the above, what was your role in this research study/ies (can check more than one box)?	<input type="checkbox"/> Patient screening/enrolment <input type="checkbox"/> Sample collection (blood etc.) <input type="checkbox"/> Patient testing <input type="checkbox"/> Patient consultation/treatment <input type="checkbox"/> Laboratory analyses <input type="checkbox"/> Assistance role only (no direct involvement in patients or samples management) <input type="checkbox"/> Other (specify in comments)	
Prior experience with the STANDARD™ G6PD test:	<input type="checkbox"/> Yes, more than 1 year <input type="checkbox"/> Yes, but less than 1 year <input type="checkbox"/> None <input type="checkbox"/> Other (specify in comments section)	



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Prior experience with similar tests (e.g. Hemocue, Biosensors,..): <i>Please specify which in the comments</i>	<input type="checkbox"/> <b>Yes, more than 1 year</b>
	<input type="checkbox"/> <b>Yes, but less than 1 year</b>
	<input type="checkbox"/> <b>None</b>
	<input type="checkbox"/> <b>Other (specify in comments section)</b>

**Assessment questions:**

<b>Q1: Set-up for testing</b>	<b>Yes</b>	<b>No</b>	<b>Comment(s)</b>
Has the IFU visually available:	<input type="checkbox"/>	<input type="checkbox"/>	
Checks expiry date of strip:	<input type="checkbox"/>	<input type="checkbox"/>	
Inserts the correct code chip (matching code on test pouch):	<input type="checkbox"/>	<input type="checkbox"/>	
Wears / puts on gloves:	<input type="checkbox"/>	<input type="checkbox"/>	
Inserts the strip correctly (correct orientation, fully inserted):	<input type="checkbox"/>	<input type="checkbox"/>	
Installs sharps box / infectious waste container:	<input type="checkbox"/>	<input type="checkbox"/>	

Additional comments:

<b>Q2: Blood collection and G6PD testing:</b>	<b>Yes</b>	<b>No</b>	<b>Comment(s)</b>
Good fingerprick (firm stab, large blood drop):	<input type="checkbox"/>	<input type="checkbox"/>	
Wipes off first blood drop:	<input type="checkbox"/>	<input type="checkbox"/>	
Adequate blood volume picked (sample collector filled up to the black line):	<input type="checkbox"/>	<input type="checkbox"/>	
Transfer of full blood volume into the extraction buffer:	<input type="checkbox"/>	<input type="checkbox"/>	
Clean blood transfer without any spillage or contact of blood with health worker's gloves, skin, clothing or any other surface:	<input type="checkbox"/>	<input type="checkbox"/>	
In case of spillage, correctly cleans and disinfects the contaminated area / changes gloves or clothing:	<input type="checkbox"/>	<input type="checkbox"/>	



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Blood specimen correctly mixed with extraction buffer (press-release 8-10 times):	<input type="checkbox"/>	<input type="checkbox"/>	
Sample collector disposed of in infectious waste container or sharps box:	<input type="checkbox"/>	<input type="checkbox"/>	
Used a new sample collector for next step (no re-use of previous sample collector):	<input type="checkbox"/>	<input type="checkbox"/>	
Adequate volume of mixture collected with new sample collector (filled up to the black line):	<input type="checkbox"/>	<input type="checkbox"/>	
Clean blood transfer without any spillage or contact of blood with health worker's gloves, skin, clothing or any other surface:	<input type="checkbox"/>	<input type="checkbox"/>	
Specimen mixture correctly deposited in specimen application well (entire volume on the filter pad):	<input type="checkbox"/>	<input type="checkbox"/>	
Closed the measurement chamber flap immediately:	<input type="checkbox"/>	<input type="checkbox"/>	
Sample collector disposed of in infectious waste container or sharps box:	<input type="checkbox"/>	<input type="checkbox"/>	
Waited for correct time until result appears (2 minutes):	<input type="checkbox"/>	<input type="checkbox"/>	
<i>If using G6PD controls:</i> Properly reconstitutes the controls and prepares them for analysis:	<input type="checkbox"/>	<input type="checkbox"/>	
<i>If using G6PD controls:</i> Successfully performs the assay with the controls and obtains 'in range' values:	<input type="checkbox"/>	<input type="checkbox"/>	
<i>If using G6PD controls:</i> Demonstrates reproducibility by obtaining similar values upon repeating the assay:	<input type="checkbox"/>	<input type="checkbox"/>	



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Additional comments:

<b>Q3: Test result reading &amp; interpretation</b>	<b>Yes</b>	<b>No</b>	<b>Comment(s)</b>
Properly records both G6PD and hemoglobin values:	<input type="checkbox"/>	<input type="checkbox"/>	
Does not use G6PD result if Hb value is below 7g/dL (note NA in comments section if Hb value is above 7g/dL)	<input type="checkbox"/>	<input type="checkbox"/>	
Repeats the test if result indicates deficient or intermediate G6PD activity:	<input type="checkbox"/>	<input type="checkbox"/>	

Additional comments:

<b>Q4: Confidence level with performing the test</b>	<b>Select relevant description</b>	<b>Comment(s)</b>
(i) Correctly performed the assay with no hesitation	<input type="checkbox"/>	
(ii) Some uncertainties in the testing procedure and/or needed repeated attempts	<input type="checkbox"/>	
(iii) Mistakes made when performing the test / test handling was slow	<input type="checkbox"/>	
(iv) Needed guidance to complete the assay / test handling was very slow	<input type="checkbox"/>	

Additional comments: