

CareStart™ G6PD

G6PD deficiency is a genetic disorder, resulting in no or low G6PD activity. People with G6PD deficiency should not take primaquine, an antimalarial drug, and other drugs with high oxidative stress because it could cause serious side effects such as acute hemolysis.

Meridian Healthcare®
medical diagnostics and equipment



CareStart™ G6PD RDT

True Point-Of-Care Test for G6PD with >99.9% Sensitivity*

*WHO classification I & II (<10% of normal activity)

CareStart™ G6PD RDT is a visual screening test. It can also be a performance test result in conjunction with a CareStart™ RDT Reader.

Results of Access Bio's G6PD Performance Test:
Institute Pasteur, Cambodia

	Cutoff Value (%)	<30%
CareStart™	Sensitivity (95% CL)	100%
G6PD RDT	Specificity	97%

Reference: November 2013. American Society of Tropical Medicine and Hygiene Annual Meeting. Title: A field trial to evaluate the performance of a point-of-care diagnostic for screening G6PD Deficiency in a falciparum and vivax malaria endemic area of Western Cambodia. Nov. 2013 ASTMH Annual Meeting.

Test Type	Qualitative point-of-care test
Assay Method	Visual dye colorization method
Interpretation	Normal vs. deficient
Specimen	Whole blood
Specimen Volume	2 µl
Result Time	10 minutes
Package Size	25 or 50 tests/box
Other Specifications	CE Marked, Simple and easy to use, broad range of assay temperature (18-32°C), Room temperature storage



CareStart™ G6PD RDT

Test Procedure

Do not cover hole

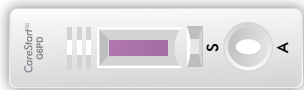
1. Gently hold the pipette below the hole and touch the blood drop~
(CAUTION: Do not cover the hole!)
2. Let the blood flow into the capillary tube.
3. Cover and press the hole to release the blood into the sample well. Add 2 drops of assay buffer (100 µl) immediately after applying blood.
4. Read result in 10 minutes

Interpretation of the Test Result

1. NORMAL

A distinct purple color appears in the reading window within 10 min.

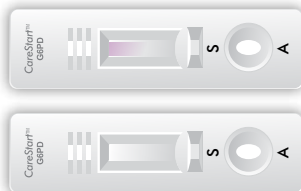
Normal



2. DEFICIENT

White color or any faint purple should be interpreted as deficient.

Deficient



3. INVALID

No blood migration or incomplete blood migration in window.

Invalid



Packaging Information

Product	Cat. No.	Package Size	Components
CareStart™ G6PD RDT	RGP-M02582	25 tests/box	Test devices, alcohol pads, lancets, pipettes, assay buffer, instructions for use
	RGP-M05082	50 tests/box	Test devices, alcohol pads, lancets, pipettes, assay buffer, instructions for use