



FORSURE

G6PD QUALITATIVE KIT

Glucose-6-phosphate dehydrogenase (G6PD or G6PDH) is a cytosolic enzyme that catalyzes the chemical reaction. This enzyme participates in the pentose phosphate pathway, a metabolic pathway that supplies reducing energy to cells (such as erythrocytes) by maintaining the level of the co-enzyme nicotinamide adenine dinucleotide phosphate (NADPH). The NADPH in turn maintains the level of glutathione in these cells that helps protect the red blood cells against oxidative damage from compounds like hydrogen peroxide. Of greater quantitative importance is the production of NADPH for tissues involved in biosynthesis of fatty acids or isoprenoids, such as the liver, mammary glands, adipose tissue, and the adrenal glands. G6PD reduces NADP+ to NADPH while oxidizing glucose-6-phosphate. Clinically, an X-linked genetic deficiency of G6PD predisposes a person to non-immune hemolytic anemia.

The Forsure G6PD Qualitative Kit is an enzymatic method for the qualitative determination of G-6-PD activity in dried blood spots and whole blood specimen. The test is intended for use as a screening method for red cell glucose-6-phosphate dehydrogenase deficiency in newborns and adults.

Each kit contains G6PD reagents (Lyophilised), G6PD dilution buffer, filter cards (optional) and control (optional)



Product Code	G6PD Deficiency Qualitative Kit
FS-CC-106-250	Forsure G6PD Qualitative Kit, 250 Test (without Filter Cards)
FS-CC-107-500	Forsure G6PD Qualitative Kit, 500 Test (without Filter Cards)
FS-CC-108-750	Forsure G6PD Qualitative Kit, 750 Test (Without Filter Cards)
FS-CC-109-250	Forsure G6PD Qualitative Kit, 250 Test (with Filter Cards)
FS-CC-110-500	Forsure G6PD Qualitative Kit, 500 Test (with Filter Cards)
FS-CC-111-750	Forsure G6PD Qualitative Kit, 750 Test (With Filter Cards)

TS Diagnostics Sdn Bhd

No 7 & 9, Jalan TPP 5/11,
Taman Perindustrian Puchong,
47160 Puchong, Selangor,
Malaysia.

Ph number +6 03 8068 7311
contactus@ts-diagnostics.com

www.forsure-test.com

