

Glucose-6-phosphate dehydrogenase (G-6-PD) Activity Assay Kit

Cat No: HR3BC1257

For research use only

Overview

Detection Method	Colorimetric method
Storage	-20°
Instrument	Microplate reader(450 nm)
Assay Time	20 min
Validity	6
Assay Type	Enzyme Activity
Sample Type	Serum, plasma, animal tissue
Synonyms	G-6-PD, G6PDH
Instrument	Microplate reader(450 nm)
Detection Principle	Under the presence of G6PDH, glucose-6-phosphoric acid is oxidized to 6-PG. In this reaction, NADP ⁺ is reduced to NADPH. Under the action of electron coupling reagent 1-MPMS, NADPH reduces WST-8 to form orange formazan, which has the maximum absorption peak at about 450 nm. Formazan generated in the reaction system is proportional to the activity of G6PDH in the sample.
Reagents	
Labware	Pipettor, Water bath, Centrifuge
Size	96T
Sensitivity	0.01 U/L
Detection Range	0.01-50 U/L
Recovery Rate	