G-6-PD, NEWBORN, SCREEN (Fluoro Immuno Assay)	U/g of Hb	>2.00

Interpretation

RESULT IN U/g of Hb	REMARKS
>2	Normal
<2	Deficient

Note: 1.Results should be clinically correlated as individual / biological variations can affect the test results

2. Test conducted on heel prick blood

3. Recommended confirmation of deficient state is by quantitative estimation of G-6-PD in whole blood

4. Genetic counseling available with prior appointment at Department of Genetics,

National Reference Lab, New Delhi

Comments

Glucose -6-Phosphate dehydrogenase (G-6-PD) deficiency is the most common enzymopathy affecting 400 million people worldwide. The disease is X-linked and more than 300 different types of G-6-PD variants have been described. Majority of G-6-PD deficient individuals are usually asymptomatic and develop hemolysis only when oxidative stress occurs as with bacterial / viral infections and after ingestion of certain drugs or fava beans.

Classification of G-6-PD deficiency

Class I	Severe deficiency associated with Chronic hemolytic anemia
Class II	Severe deficiency (< 10% residual activity)usually without Hemolytic anemia
Class III	Moderate to mild deficiency (10-60% residual activity)
Class IV	Very mild or no deficiency
Class V	Increased activity