

Glucose-6-Phosphate Dehydrogenase (G6PD)

Order Name: **G6PD**

Test Number: 2003750

Revision Date: 04/17/2024

| TEST NAME | METHODOLOGY | LOINC CODE |
|--|----------------------------|------------|
| Glucose-6-Phosphate Dehydrogenase (G6PD) | Kinetic Spectrophotometric | 32546-4 |

| SPECIMEN REQUIREMENTS | | | | |
|-----------------------|---|---------------|---------------------|-----------------------|
| Specimen | Specimen Volume (min) | Specimen Type | Specimen Container | Transport Environment |
| Preferred | Two 4.5 mL (Two 0.5mL) | Whole Blood | EDTA (Lavender Top) | Refrigerated |
| Instructions | <p>Notes: Hemoglobin: Two 4.5 mL EDTA or 0.5mL lavender-top Microtainer(TM) tubes filled to at least 50% of tube capacity. (Note: If any other size lavender tube is used, the tube must be filled to at least 50% capacity of tube fill volume. Insufficient volume may limit the extent of procedures performed); and G6PD: one lavender-top (EDTA) tube, green-top (heparin) tube or yellow-top (ACD) tube (0.1 mL) whole blood</p> <p>Specimen Type: Two lavender-top (EDTA) tubes or one green-top (heparin) tube AND one lavender-top (EDTA) tube or one yellow-top (ACD) tube AND one lavender-top (EDTA) tube</p> <p>Specimen Storage: Hemoglobin: Stable room temperature for 1 day or refrigerated for 72 hours.G6PD: Stable room temperature for 72 hours or refrigerated for seven days.</p> <p>Specimen Collection: Not Available</p> <p>Specimen Stability: Ambient: Not Available, Refrigerated : Not Available, Frozen: Not Available</p> | | | |

| GENERAL INFORMATION | |
|------------------------------|---|
| Expected TAT | 2-4 days after set-up |
| Clinical Use | <p>Useful for evaluation of individuals with Coombs-negative nonspherocytic hemolytic anemia. To help exclude inherited deficiency.</p> <p>G-6-PD is the most common enzyme deficiency in the world. Newborns with G-6-PD may have prolonged and more pronounced neonatal jaundice than other newborns. Older individuals are subject to hemolytic anemia that can be induced by some foods, drugs, and infections.</p> |
| Performing Labcorp Test Code | 121003 |
| CPT Code(s) | 85018, 82955 |
| Lab Section | Reference Lab |