

LabMed Report

A publication of:
Munson Healthcare Laboratories
Grand Traverse Pathology, PC
Physicians Diagnostic Support Service

In this issue: Glucose-6-Phosphate Dehydrogenase

April 2024, Volume 3

Kyle Carr, MD, Editor
Kate Haywood, MLS(ASCP)

To screen patients in preparation for use of medications such as primaquine, Munson Medical Center's lab will begin offering G6PD deficiency screening beginning on March 25, 2024.

Glucose-6-phosphate dehydrogenase (G6PD) is an enzyme in red blood cells which combats oxidative stress (caused by some foods and medications, such as primaquine) and thus protects red blood cell membranes.

- G6PD enzyme deficiency may lead to a chronic hemolytic anemia, but many patients are asymptomatic.
- Oxidative stress may cause severe hemolytic anemia in G6PD deficient patients.

References:

1. Abbott Products Binax NOW G6PD package insert
2. <https://www.uptodate.com/contents/diagnosis-and-management-of-glucose-6-phosphate-dehydrogenase-g6pd-deficiency>