

# Glucose 6 phosphate dehydrogenase,

## G6PDH<sup>^</sup>

### General:

The G-6-PDH is an enzyme of the pentose phosphate cycle and is involved in the regeneration of NADPH. The hereditary deficiency (Synonym: favism) may lead to hemolytic crises (e.g. the consumption of fava beans, drugs, e.g. primaquine and chloroquine; sulfonamide, acetylsalicylic acid). The transmission is X-chromosomally inherited and occurs more often in the Mediterranean area. The symptoms are generally more severe in males than in female heterozygotes. Further pathological laboratory findings: spherocytosis, Heinz bodies, osmotic resistance reduction, Hb anomalies (Hb electrophoresis).

Indication: Favism

Material: 2 ml EDTA blood

Stability: 7 days at 2 to 8°C

TAT: 1 -2 days, FML

Method: photometry

Units: U/g Hb

Ref.- range: > 7.9

For complete list of laboratory test offered at Freiburg Medical Laboratory, please visit <http://www.fml-dubai.com/parameter-listings/>