

Selenium Se

General:

Selenium is part of the essential trace elements and is cofactor of some enzymes and proteins. Daily required quantity is approx. 50-100 µg. Food containing selenium is egg yolk, fish, meat, particularly chicken and pork as well as innards. Nutritive selenium supply is sufficient, a risk of an insufficient supply exists during pregnancy and lactation or in persons exposed to heavy metals and oxidation substances.

Selenium deficiency manifests primarily in liver, heart, bone and joints. Selenium deficiency occurs i.e. after long-lasting parenteral nutrition, in patients with malabsorption syndrome, Keshan- (endemically appearing cardiomyopathy) and Kashin-Beck disease (endemic osteoarthropathy with severe joint deformation). Intoxications show clinical symptoms like discoloration of the fingernails, hair loss, coagulation malfunctions, breath smells like garlic.

Indication: clarification of cardiomyopathy, suspicion of intoxication, clarification of osteoarthropathy, myopathies of skeletal muscles

Material: 1 ml serum

TAT: 7-10 days*

Method: IPMS

Units: µg/l

Ref.- range: see report

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