Creatine

General:

Creatine is produced in liver, pancreas and kidneys and is transported to the muscular system via blood. The high-energetic creatine phosphate is produced by creatine kinase in the muscle, out of which creatinine is produced and then excreted by the kidneys. The creatine quantity of the organism reflects the muscle mass (indirectly, creatinine reflects the muscle mass as well). Approx. 2% of creatine in muscles is biotransformed daily to creatinine via non-enzymatic pathways and transported into the blood. Increased creatine is detected in several muscle disorders.

The following tests are available:

- **Creatine in serum**

Indication:	Muscle dystrophy
Material:	1 ml serum
TAT:	10-14 days*
Method:	photometry
Units:	mg/dl
Ref.- range:	see report

- **Creatine in urine**

Indication:	Muscle dystrophy
Material:	10 ml urine
Preanalytics:	24 hours urine, please indicate the collected quantity!
TAT:	10-14 days*
Method:	photometry
Units:	mg/24 h
Ref.- range:	see report

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

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