

Patient Name : Demo Patient Name
Age / Sex : 16 Y / M
Referred By : DEMO HOSPITAL
Centre : HOD Head Office

Lab No : Demo Visit No
Registration On : 21-Jan-25 14:41
Patient ID : UHID.DEMO.001

CPK				Serum Sample
Accession No: DEMO_BARCODE		Collected On: 21-Jan-25 14:41	Received On: 21-Jan-25 17:05	Approved On: 21-Jan-25 19:00
Observation	Result	Unit	Biological Ref. Interval	Method
Creatine Kinase	375	U/L	55 - 170	Rosalki Modified

Sample Type: Serum
Technology: Dry Chemistry (VITROS MicroSlide, MicroSensor and Intellicheck Technology)
Analyzer: Fully Automated Integrated Biochemistry and Immunology Analyzer: VITROS 5600

Clinical Significance:
Serum creatine kinase (CK) also known as creatine phosphokinase (CPK) activity is greatly elevated, at some time during the course of the disease, in all types of muscular dystrophy, and especially so in Duchenne type, in which levels up to 50 times the upper limit of normal may be encountered. In progressive muscular dystrophy, enzyme activity in serum is highest in infancy and childhood (7-10 years of age) and may be elevated long before the disease is clinically apparent. Quite high values of CK are noted in viral myositis, polymyositis, and similar muscle diseases. However, in neurogenic Parkinsonism, serum enzyme activity is normal. Very high activity is also encountered in malignant hyperthermia. An early rise in CK is also seen after an acute myocardial infarction (MI), with values peaking at 12 to 24 hours and falling back to normal in 3 to 4 days. Although total CK activity has been used as a diagnostic test for MI, it has been replaced by the troponin T and I immunoassays, and is no longer the laboratory test choice for diagnosing and monitoring acute infarctions. Serum CK activity may increase in patients with acute cerebrovascular disease or neurosurgical intervention and with cerebral ischemia. Serum CK activity also demonstrates an inverse relationship with thyroid activity. About 60% of hypothyroid subjects show an average elevation of CK activity 5-fold over the upper reference limit; elevation of as high as 50-fold may also be found.

Remarks: Please correlate results with clinical conditions.



This is a Demo Signature
and the doctor's signature should appear here

In case of any unexpected or alarming results, please contact us immediately for re-confirmation, clarifications, and rectifications, if needed.

