

# VitaLab

FAST

SENSITIVE

RELIABLE



## Reference <<<

- [1] CK (Creatine Kinase) is Associated With Cardiovascular Hemodynamics
- [2] Creatine Kinase
- [3] Creatine kinase (CK), Creatine phosphokinase (CPK)
- [4] Creatine kinase, energy reserve, and hypertension: from bench to bedside
- [5] Cardiac marker - Part 2 - CK-MB (Cardiac Enzyme)

## CK-MB Test Kit

(Dry Fluorescence Immunoassay)

CE IVD

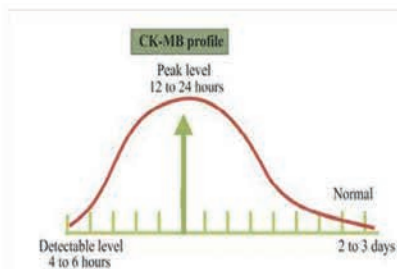
**CK-MB** is an early marker of acute myocardial infarction. Higher CK-MB may point more directly to heart damage. It is considered an early gold standard diagnostic tool.

**CK-MB** test may be used as a follow-up test to an elevated creatine kinase in order to determine whether the increase is due to heart damage or skeletal muscle damage.

## Clinical significance of CK-MB

- ▶ Clinical observation of whether there is reinfarction or re enlargement of myocardial infarction.
- ▶ To diagnose reinfarction and evaluate the prognosis of ACS.
- ▶ It is helpful to judge the time of myocardial injury and diagnose early reinfarction.
- ▶ When there is no condition to detect cTn, CK-MB or CK can be detected.

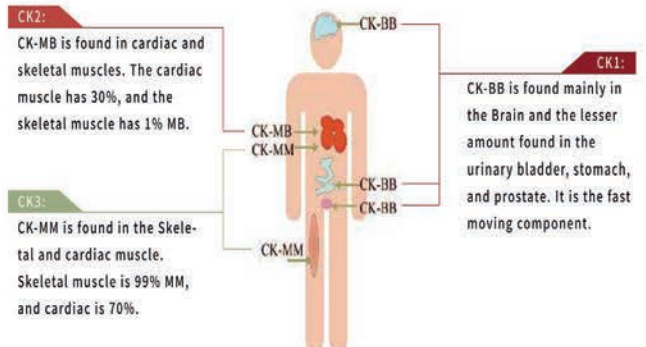
## CK-MB profile in acute myocardial infarction



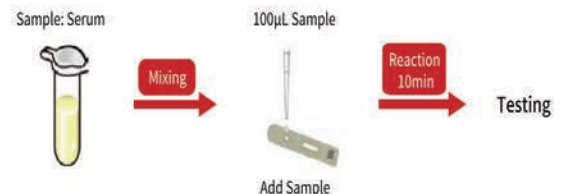
- Detectable Level** Begin To Rise in the first 3 to 4 hours of a heart attack.
- Peak Level** The peak is between 12 to 24 hours.
- Normal Level** Returns to normal after 48 hours.

## “ Creatine kinase distribution in the human body ”

There are three types of CK isozymes:



## Steps of Operation



## Interpretation of Result

CK-MB	Measuring Range	2.0 ng / ml - 80 ng / ml
	Cut-Off Value	5.0 ng / mL

