AMI

	SGOT "AST"	LDH	CPK	CPK-MB "CPK 2"	Myoglobin	Troponin T (not enzymes)	Troponin I	BNP
Sensitive	?	?	✓	✓	✓	TnT2 (100%)	✓	?
Specific	✓	✗	✗	✓	✗	✓	✓	?
accepted marker	✗	✗	✓	✓	✓	✓	✓	!
	• Prognostic importance • Reinfarction ✓ • Level dependent ⇒ >350 Fatal ⇒ >150 high mortality ⇒ <50 low mortality • muscle & Hepatic ⇒ ALT used to detect liver disease	• not used for reinfarction • used for the extent of myocardial infarction & monitoring • Found in RBC's mainly • Raised in Hemolytic anemia, Hepatocellular damage, muscular dystrophies, Carcinomas, leukemia 4 Subunit | 5 Combination H4 (LDH1) Fastest in Heart muscle M4 (LDH5) slowest	• Early Stages of MI • No elevation in HF & Coronary insufficiency. • reinfarction indicator.	• Heart specific • intermediate mobility • // // //	• Fastest • may be associated with renal failure & muscle injuries	TnT2 is 100% Sensetive • For monitoring (TnT) • X reinfarction. (TnI)	• Faster than TnT2	• ANP (Atrial) ⇒ use Aldosterone • BNP (Brain) Ventricles • C-Type (CNP) • Ventricular Function ⇒ Congestive HF ↑ ANP & BNP

Myoglobin → CPK → AST
(Fastest)