



Biomarkers	specificity	sensitivity	start	peak	end	
Myoglobin	Not specific	More sensitive than CK	1-4 hr	6-9 hr	18-24 hr	If normal after pain by 8h, MI can be ruled out
Total-CK	Not specific					Used on chest pain patients who are admitted later than 10-12 hr
CK-MB	High specificity (more than total-CK, less than troponin I)	Sensitive (was the gold marker before troponin I)	4-6 hr	12-24 hr	2-3 days	Useful for early diagnosis & re-infarction diagnosis
Troponin T	Not specific	More sensitive than CK-MB	6 hr	72 hr (3 days)	7-10 days (can't tell infarct from re-infarct)	May be elevated in patients with chronic renal failure

Troponin I	Specific	More sensitive than CK-MB	4-6 hr	14-24 hr	3-5 days (disappears from blood after a week)	Useful for diagnosis of delayed admission cases
LDH	Not specific		Increase later than CK-MB	48 hr	5-6 days	Useful when a patient with chest pain presents late
H-FABP			30 min (extremely early)	6-8 hr	24 hr	Used to quickly rule out MI
GPBB	Specific	Very sensitive [superior]	First hour of MI	1-3 hr after ischemia		Catch the MI before it happens (in ischemic phase)
Copeptin			Within minutes (15 min)			Adding copeptin to CTNI can rule out AMI
IMA	Not specific	Sensitive for ischemia	Within few minutes	2-4 hr	6 hr	Negative test (along with negative troponin and ECG) has 99% negative predictive value