



Laboratory Investigation Report

Patient Name	: Jasbir Kaur	Centre	: 1108 - Max Hospital Dehradun
Age/Gender	: 55 Y 4 M 9 D /F	OP/IP No	: OP/DNCS978186
Max ID/Mobile	: MDDN.229559/9650376650	Collection Date/Time	: 10/May/2021 02:25PM
Lab ID	: 0837052108913	Receiving Date	: 10/May/2021
Ref Doctor	: Dr.Preeti Sharma	Reporting Date	: 10/May/2021

Immunoassay

Trop I,Serum (High Sensitive)

Date	10/May/2021 02:25PM	Unit	Bio Ref Interval
Trop I CLIA	0.00	ng/ml	<0.02

Ref Range

“Important Note: The newly introduced high sensitive Trop I detects the analyte at a much lower concentration of 0.02 ng/mL. Thus the cut off reference range has been changed to 0.02 ng/mL.”

Troponin I (High Sensitive) is a cardio-specific, highly sensitive marker for myocardial injury. Compared to contemporary troponin assays, high sensitive trop I demonstrate significantly improved precision at ≤ 0.02 ng/mL, allowing better discrimination of small differences in cardiac troponin values between serial measurements.

Clinical performance of high sensitive Trop I at cut of ≥ 0.02 ng/mL were as follows:

Hrs after admission to Emergency Department	Diagnostic sensitivity (% MI correctly diagnosed) %	Diagnostic Specificity (% non-MI Correctly Diagnosed) %	Positive Predictive Value (PPV- Probability of MI Diagnosis) %	Negative Predictive Value (NPV-Probability of non- MI diagnosis) %
Base Line	86	90	61	97
$\geq 1 - 3$ hr	95	90	55	99
$\geq 3 - 6$ hr	93	90	55	99
$\geq 6 - 9$ hr	99	86	52	1

Trop I is increased in congestive heart failure, acute and chronic trauma, electrical cardioversion, hypertension, hypotension, arrhythmias, pulmonary embolism, severe asthma, sepsis, critical illness, myocarditis, stroke, non-cardiac surgery, extreme exercise, drug toxicity (adriamycin, 5-fluorouracil, herceptin, snake venoms), end stage renal disease, and rhabdomyolysis with cardiac injury. These other etiologies rarely demonstrate the classic rising and falling pattern experienced with a MI which highlights the importance of serial monitoring when the clinical scenario is confusing.

Kindly correlate with clinical findings

*** End Of Report ***



SIN No:DN868597

Test Performed at : 1108 - Max Hospital Dehradun, Near Indian Oil Petrol Pump, Malsi, Mussoorie Diversion Road, Dehradun

Max Lab - A Division of Max Healthcare Institute Ltd.

Max Lab, Max Super Specialty Hospital, Dehradun

Near Indian Oil Petrol Pump, Malsi, Mussoorie Diversion Road, Dehradun - 248001, Phone: +91-135-7193 000

CIN No.: L72200MH2001PLC322854

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MC-2455

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Dr. Mini Singhal M.D.
Principal Consultant Pathology



Dr.(Capt.) Nalin Bhatia DNB
Associate Consultant Pathology



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