Aspartate Amino Transferase (AST/GOT) (AST)

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TEST OVERVIEW

Test Name	Aspartate Amino Transferase (AST/GOT)
Test Code	AST
Short Description	AST/GOT

OVERVIEW

Test Name	Aspartate Amino Transferase (AST/GOT)
Test Code	AST
Category	Biochemistry
TAT	Main Lab: 6, 4, 8 Hour(s) Family Site: <8hrs, <4hrs
Specimen(s)	1 x Venous blood - 5 mL Tube - Gold - SST

SPECIMEN(S)

SST

Specimen Type	SST
Specimen Format	Tube
Specimen Colour	Gold
Specimen Volume	5 mL
Sampling Order	2
Origin	Venous blood
Collection time after baseline	-
Transport Temperature	15-25°C
Accepted Other Specimens	Lithium Heparin Plasma Sodium Heparin Plasma Serum

	EDTA Plasma
TAT	Main Lab: 6, 4, 8 Hour(s) Family Site: <8hrs, <4hrs
Test Stability	Room Temp: 4 Day(s) 2–8°C: 7 Day(s)

CLINICAL INFORMATION

Aspartate Aminotransferase (AST/GOT)

Methodology	-
Specimen Type	SST
Delay before pre-treatment	24
Transport Temperature	15-25°C
Transport Stability at room temp	4 Day
Transport Stability at 2–8°C	7 Day
Haemolysis interference	No

Clinical Interest

Aspartate aminotransferase (AST), also referred to as glutamate oxaloacetate transaminase (GOT), is one of a group of enzymes which catalyzes the interconversion of amino acids and α-keto acids by transfer of amino groups. Both AST and alanine aminotransferase (ALT) are normally found in most body fluids, but not in urine except in instances of kidney lesions.

The greatest concentrations of AST are found in the heart, liver, muscle, and kidney tissues. Damage to these tissues can greatly elevate serum AST levels. Following myocardial infarction, AST in serum begins to increase within 6 to 8 hours of the onset of pain, reaching a peak within 18 to 24 hours and falling to normal by the fourth or fifth day. Serum values may increase to 10 to 15 times normal levels and the increase is roughly proportional to the degree of tissue damage.

PATIENT INFORMATION

Clinical Information Required	-
Patient Collection Notes	-

COMMENTS & NOTES

LOINC Code	239-8, 30239-8, 88112-8
Outwork	No