

## Aspartate Amino Transferase (AST/GOT) (AST)

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### TEST OVERVIEW

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

### OVERVIEW

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

### SPECIMEN(S)

#### SST-Serum Separator Tube

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

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

## CLINICAL INFORMATION

### Aspartate Aminotransferase (AST/GOT)

<b>Methodology</b>	-
<b>Specimen Type</b>	SST-Serum Separator Tube
<b>Delay before pre-treatment</b>	24
<b>Transport Temperature</b>	15-25°C
<b>Transport Stability at room temp</b>	4 Day
<b>Transport Stability at 2–8°C</b>	7 Day
<b>Haemolysis interference</b>	<input type="button" value="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  $\alpha$ -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

<b>Clinical Information Required</b>	-
<b>Patient Collection Notes</b>	-

## COMMENTS & NOTES

<b>LOINC Code</b>	239-8, 30239-8, 88112-8
<b>Outwork</b>	<input type="button" value="No"/>