

## Alanine Aminotransferase (ALT) (ALT)

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### TEST OVERVIEW

<b>Test Name</b>	Alanine Aminotransferase (ALT)
<b>Test Code</b>	ALT
<b>Short Description</b>	GPT/ALT

### OVERVIEW

<b>Test Name</b>	Alanine Aminotransferase (ALT)
<b>Test Code</b>	ALT
<b>Category</b>	Biochemistry
<b>TAT</b>	Main Lab: 6, Hour(s) Family Site: <8hrs, <6hrs
<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 Serum

<b>TAT</b>	Main Lab: 6, Hour(s) Family Site: <8hrs, <6hrs
<b>Test Stability</b>	Room Temp: 3 Day(s) 2–8°C: 7 Day(s)

## CLINICAL INFORMATION

### Alanine Aminotransferase (ALT/SGPT)

<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>	3 Day
<b>Transport Stability at 2–8°C</b>	7 Day
<b>Haemolysis interference</b>	No

### Clinical Interest

**Alanine Aminotransferase (ALT)**, also referred to as glutamate pyruvate transaminase (GPT), is an enzyme involved in amino acid metabolism. It is found in many tissues, but the highest levels are found in liver and kidney tissues. Tissue destruction leads to the release of the intracellular enzyme into the circulating blood. Markedly elevated serum ALT levels may be found in a variety of diseases which involve the liver, such as hepatitis, mononucleosis, and cirrhosis.

These very high levels of ALT are not usually observed in other disease processes, e.g., myocardial infarction; thus, ALT is regarded as a reasonably specific indicator of liver disease"

## PATIENT INFORMATION

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

## COMMENTS & NOTES

<b>LOINC Code</b>	44-2, 1744-2, 1743-4
<b>Outwork</b>	No