Alanine Aminotransferase (ALT) (ALT)

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TEST OVERVIEW

Test Name Alanine Aminotransferase (ALT)

Test Code ALT

Short Description Alanine Aminotransferase (ALT)

OVERVIEW

Test Name Alanine Aminotransferase (ALT)

Test Code ALT

Category Biochemistry

Main Lab: 6 Hour(s)

Family Site: <8hrs

Specimen(s) 1 x Venous blood - 5 mL Tube - Gold - SST-Serum Separator Tube

SPECIMEN(S)

SST-Serum Separator Tube

Specimen Type SST-Serum Separator Tube

 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

Serum

TAT Main Lab: 6 Hour(s)

Family Site: <8hrs

Test Stability Room Temp: 3 Day(s)

2-8°C: 7 Day(s)

CLINICAL INFORMATION

Alanine Aminotransferase (ALT/SGPT)

Methodology IFCC (without Pyridoxal Phosphate Activation)

Specimen Type SST-Serum Separator Tube

Delay before pre-treatment 24

Transport Temperature 15-25°C

Transport Stability at room temp 3 Day

Transport Stability at 2–8°C 7 Day

Haemolysis interference

Alanine Aminotransferase (ALT/GPT)

Methodology IFCC (without Pyridoxal Phosphate Activation)

Specimen Type SST-Serum Separator Tube

Delay before pre-treatment 24

Transport Temperature 15-25°C

Transport Stability at room temp 3 Day

Transport Stability at 2–8°C 7 Day

Haemolysis interference

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

Clinical Information Required

Patient Collection Notes -

COMMENTS & NOTES

LOINC Code 44-2, 1744-2, 1743-4

Outwork

No