Aspartate Amino Transferase (AST/GOT) (AST)

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TEST OVERVIEW

Test Name Aspartate Amino Transferase (AST/GOT)

Test Code AST

Short Description Aspartate Amino Transferase (AST/GOT)

OVERVIEW

Test Name Aspartate Amino Transferase (AST/GOT)

Test Code AST

Category Biochemistry

Main Lab: 6, 4 Hour(s)

Family Site: <8hrs, <4hrs

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 FormatTubeSpecimen ColourGoldSpecimen Volume5 mLSampling Order2

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 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 IFCC (with Pyridoxal Phosphate Activation)

SST-Serum Separator Tube Specimen Type

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

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