



JOURI LABS

SGOT

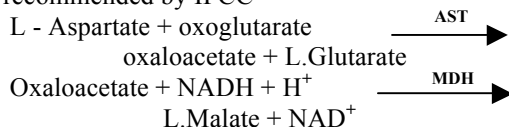
Liquid Reagent

Kinetic determination. IFCC

Store at 2-8 °C

PRINCIPLE

Kinetic determination of Aspartate aminotransferase recommended by IFCC



The rate of NADH consumption is directly proportional to the SGOT activity in the sample.

REFERENCE VALUES

Temperature		25°C	30°C	37°C
GOT	Men	6-21	9-30	13-46
U/L	Women	5-18	7-26	11-39

It is recommended that each laboratory should assign its own normal range.

SAMPLES

Serum free of hlymolysis, Heparin or EDTA plasma
Lipaemia interfere with the test.

REAGENTS

A:

Tris buffer	100 mmol/l
L- aspartate	200 mmol/l
2- oxglutarate	12 mmol/l
MDH	1.0 U/ml
LDH	1.9 U/ml

B :

NADH	0.18mmol/l
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PREPARATION OF WORKING REAGENT

Reagent A and B are ready to use. If a monoreagent procedure is preferred then the reagent must be mixed in the ration 4 parts of A to 1 part of B. The working reagent is stable for one month at 2-8°C

PROCEDURE

Wavelength	340 nm
Temperature	25°C/30°C/37° C
Zero adjustment	air or distilled water
Cuvette	1 cm light path
Method	Kinetic - decreasing

Sample	0.1 ml
Working reagent	1.0 ml

Mix and after 1 minute incubation. Measure the change of optical density per minute (Δ O.D/ min) during 3 minutes .

CALCULATION

$$U/L = \Delta .O.D / \text{min} \times 1746$$

LINEARITY

Up to 237 U/l, If Δ O.D/ min exceeds 0.25 repeat the test using diluted sample with saline solution.

QUALITY CONTROL

All control sera with SGOT values determined by this method may be employed.

NOTS

The reagent contain NaN_3 , Do not swallow avoid contact with skin and mucous membranes.

The test doesn't contain peridoxal-phosphate.

SPECIFICATION

Bilirubine 0.5g/l, lipid 10g/l, glucose 10g/l and ascorbic acid 0.1g/l don't interfere with the assay up to the given levels.

PRESENTATION

10 +50 ml	Cat No 0701	60 Tests
3 X 60 ml	Cat No 0702	180 Tests

BIBLIOGRAPHY

- International Federation of Clinincal Chemistry, Scientific committee, Clin. Chem., 23. 887 (1977).
- Bergmeyer et al., Clin. Chem. Acta. 70 (1978).

The following symbols are used on labels

IVD

For in vitro diagnostic use



Use day (last day of the month)



Temperature limitation

LOT

Batch code

REF

Code