

# SGOT (AST) IFCC Kinetic UV Test

## INTERPRETATION OF RESULTS

Automated Parameters	
Wavelength	340 nm
Cuvette	1 cm light path
Reaction Temperature	37°C
Measurement	Against distilled w
Reaction Type	Kinetic test
Reaction Direction	Decreasing
Sample Volume	100 µl
Reagent Volume	1000 µl
Delay/Lag/time	60 Secs
Interval time	30 Secs
No. of Readings	04
Blank Absorbance limit	> 0.8
Factor	1746
Low Normal at 37°C	0 U/l
High Normal at 37°C	35 U/l
Linearity at 37°C	400 U/l

## MANUAL ASSAY PROCEDURE

### Pipette into Test Tubes.

Working Reagent	1000 µl
Sample	100 µl

Mix well and after 1 min 37°C at 340 nm read absorbance values and start timer simultaneously. Measure absorbance Decrease every 30 sec. during 2 minutes & calculate  $\Delta A / \text{min}$  ( $\Delta A / 30 \text{ sec} \times 2$ )

### SAMPLE DILUTIONS:

1. This method is linear upto a concentration of 400 U/l.
2. If the concentration exceeds this value, the sample should be diluted 1:1 with 0.9% saline solution.
3. Repeat assay. Multiply the result by 2.

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### SGOT (AST) IFCC TEST KIT



### LINEARITY

The method is linear to a concentration of 400 U/L. If the concentration exceeds this value, the sample should be diluted 1:1 with 0.9% saline solution and reassayed.  
Multiply the result by 2.

**Limit of detection: 3U/L.**

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