BIOBOON BIOTECH LLC



SGOT (AST) IFCC Kinetic UV Test

Clinical Chemistry Reagent

For quantitative determination of SGOT (AST) activity



AUTOMATED PARAMETERS

Wavelength	340 nm
Cuvette	1 cm light path
Reaction temperature	37°C
Measurement	Against distilled water
Reaction type	Kinetic test
Reaction direction	Decreasing
Sample volume	100 µL
Reagent volume	1000 µL
Delay/Lag time	60 seconds
Interval time	30 seconds
Number 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

Working reagent	1000 µL
Sample	100 µL

Mix well; after 1 minute at 37°C and 340 nm read absorbance and start timer simultaneously; measure decrease every 30 seconds during 2 minutes and calculate ΔA/min (ΔA/30 sec × 2).

LINEARITY & DILUTION

Linear up to 400 U/L; if above, dilute sample 1:1 with 0.9% saline, repeat assay, multiply the result by 2.

LIMIT OF DETECTION

3 U/L

For In Vitro Diagnostic Use

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