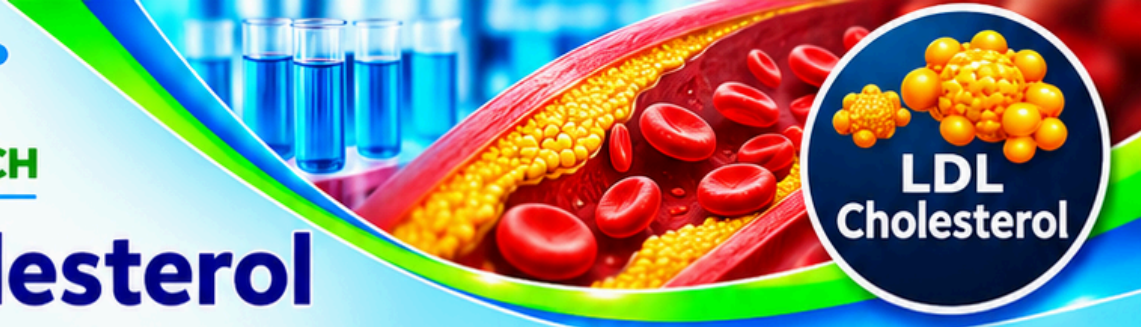
BIOBOON BIOTECH LLC



LDL Cholesterol Test Kit

Enzymatic

- Accurate & Reliable
- Enzymatic Method
- Wide Linear Range (up to 400 mg/dL)
- Low Detection Limit (2 mg/dL)



AUTOMATED PARAMETERS

Wavelength	546 nm
Measurement	Against Reagent Blank
Cuvette	1 cm light path
Reaction Temperature	37°C
Reaction Type	End Point
Reaction Direction	Increasing
Incubation	5 min + 5 min
Sample Volume	10 µL
Reagent I Volume	750 µL
Reagent II Volume	250 µL
Low Normal	0 mg/dL
High Normal	100 mg/dL
Linearity	400 mg/dL

MANUAL ASSAY PROCEDURE

Pipette into Test Tubes.

Addition Sequence	Calibrator Tube	Sample Tube
Reagent I	750 µL	750 µL
Calibrator	10 µL	-
Sample	-	10 µL
Mix and incubate 5 min at 37°C.		
Reagent II	250 µL	250 µL

After 5 minutes at 37°C, read the absorbance (Ac) for calibrator and absorbance (As) for sample.

SAMPLE DILUTIONS

1. This method is linear upto a concentration of 400 mg/dL.
2. Dilute samples above this concentration 1:1 with 0.9% saline.
3. Repeat assay. Multiply the result by 2.

LIMIT OF DETECTION

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The limit of detection for LDL Cholesterol is 2 mg/dL.

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