BIOBOON BIOTECH LLC

Innovative Diagnostics for a Healthier Tomorrow

Accurate Lipid Testing for a Healthier Tomorrow

Cholesterol Test Kit

CHOD-PAP Method

Quantitative determination of Total Cholesterol in serum / plasma.

Only for In Vitro Diagnostic Use.



TEST PRINCIPLE

Cholesterol esters are hydrolyzed to produce cholesterol. Hydrogen peroxide is then produced from oxidation of cholesterol by cholesterol oxidase. The indicator quinoneimine is formed from hydrogen peroxide and 4-aminoantipyrine in the presence of phenol. The intensity of the red coloured complex is proportional to the cholesterol concentration in the sample.



KEY PARAMETERS (AUTOMATED)

Wavelength	505 nm (490–550 nm)
Reaction Type	End Point
Cuvette	1 cm light path
Reaction Temperature	37°C
Measurement	Against reagent blank
Sample Volume	10 µL
Reagent Volume	1000 µL
Incubation Time	5 minutes
Units	mg/dL
Linearity	1000 mg/dL

MANUAL ASSAY PROCEDURE

1. 
Add 1000 µL reagent into a test tube.

2. 
Add 10 µL sample (serum / plasma) and mix.

3. 

Incubate for 5 minutes at 37°C.

4. 
Measure absorbance at 505 nm against reagent blank.

SAMPLE TYPE



REFERENCE VALUES

Low Normal	< 200 mg/dL
High Normal	> 240 mg/dL

STORAGE & STABILITY

- Store at 2–8°C.
- Do not freeze.
- Protect from light.
- Use before the expiry date on the label.

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Global Diagnostic Solutions for a Healthier Tomorrow

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