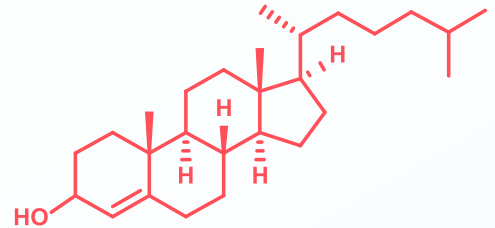




# Total Cholesterol Assay



## Cholesterol

Cholesterol is a fundamental structural component of animal cell membranes. Animals and humans synthesize primary sterol cholesterol de-novo but can also acquire it from dietary sources. Cholesterol is also the precursor for a wide variety of other physiologically important steroids such as bile acids and steroid hormones.

## Applications

The Total Cholesterol Assay measures the total cholesterol content in a sample which is the sum of free and esterified cholesterol. Applications for the assay include:

- ▶ Evaluation of cholesterol biosynthesis modulating drugs
- ▶ Basic research of cholesterol metabolism

Total Cholesterol Assay	LLOQ*	
	Plasma	Tissue
Total Cholesterol	0.0391 mg/g	0.0391 mg/g

\*Lower Limit of Quantitation (LLOQ) varies for each sample type

The panel is for non-GxP testing and is not for diagnostic use

## Analysis Method and Instrumentation

LC-MS/MS (Agilent 1290 Infinity II UHPLC/Sciex QTrap 6500+)

## Sample Type and Required Amounts

Sample Type	Sample Requirement
Plasma/Serum	100 - 150 $\mu$ L
Tissue	50 - 150 mg
Others on request	

Contact us to get started  
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