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## Product Datasheet

### Total Cholesterol (TC) Colorimetric Assay Kit BYT-ORB1173223

Article Name	Total Cholesterol (TC) Colorimetric Assay Kit
Biozol Catalog Number	BYT-ORB1173223
Supplier Catalog Number	orb1173223
Alternative Catalog Number	BYT-ORB1173223-48, BYT-ORB1173223-96
Manufacturer	Biorbyt
Category	Kits/Assays
Product Description	The kit provides a method for detecting TC concentration in biological samples such as serum, plasma, tissues, cells, and bacteria. In the assay, esterase catalyzes the hydrolysis of cholesterol esters to produce free cholesterol (FC) and free fatty ...
Application Notes	Application Notes: The kit provides a simple method for detecting TC concentration in a variety of biological samples such as serum, plasma, tissues, cells, and bacteria. In the assay, esterase catalyzes the hydrolysis of cholesterol esters to produce free cholesterol (FC) and free fatty acids (FFA). Then Cholesterol oxidase catalyzes free cholesterol (FC) to produce 4-cholestenone and H <sub>2</sub> O <sub>2</sub> . Further, H <sub>2</sub> O <sub>2</sub> , 4-aminoantipyrine and phenol can be catalyzed by peroxidase to form red quinone compounds which has a characteristic absorption peak at 500 nm. The Total Cholesterol (TC) present in the sample is proportional to the signal obtained