

Cholesterol Assay Kit

Cat. No. Kit-2429 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CHOLESTEROL is a sterol and lipid present in the cell membranes, and is transported in the bloodstream of all animals. It is used to form cell membranes and hormones, and plays important roles in cell signaling processes. Elevated levels (hypercholesterolemia) have been associated with cardiovascular diseases such as atherosclerosis; whereas, low levels (hypocholesterolemia) may be linked to depression, cancer and cerebral hemorrhage. Simple, direct and automation-ready procedures for measuring cholesterol are very desirable. Cholesterol Assay is based on cholesterol esterase hydrolysis of cholesterol esters to form free cholesterol and cholesterol dehydrogenase catalyzed conversion of cholesterol to cholest-4-ene-3-one, in which NAD is reduced to NADH. The optical density of the formed NADH at 340 nm is directly proportionate to the cholesterol concentration in the sample.
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Storage	-20°C
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Shipping	On Ice
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Size	100 tests
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Detection method	OD340nm
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Compatible Sample Types	Serum, plasma etc
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Features & Benefits	Sensitive and accurate. Detection limit of 5 mg/dL, linearity up to 300 mg/dL cholesterol in 96-well plate assay.
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 45-1 Ramsey Road, Shirley, NY 11967, USA

Convenient. Room temperature assay. No 37°C heater is needed.

High-throughput. Can be readily automated as a high-throughput 96-well plate assay for thousands of samples per day.

Assay time	40 min
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Sensitivity	5 mg/dL
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