

Cholesterol-SL

FOR THE QUANTITATIVE MEASUREMENT OF CHOLESTEROL

METHOD: ENZYMATIC (CHOLESTEROL ESTERASE/OXIDASE); ENDPOINT

Cholesterol measurements are used as an aid to monitor and diagnose heart disease.

The Sekisui Cholesterol-SL assay employs an enzymatic method using cholesterol esterase and cholesterol oxidase as reliable determinants for the quantitative measurement of cholesterol in serum.

Features:

- No significant interference displayed from samples with elevated levels of lipemia
- One part, stable liquid
- Excellent precision
- Applicable to multiple instrument platforms

Benefits:

- Reduces the need for sample dilutions
- Easy to use, no additional preparation required
- Confidence in results
- Flexible testing, well suited for use with fully automated procedures

Performance Characteristics

Precision

- Within-Run: $\leq 0.6\%$
- Total Precision: $\leq 1.2\%$

Accuracy^(a)

- Slope: 1.05
- Intercept: -13.9 mg/dL (-0.36 mmol/L)
- Correlation Coefficient: 0.9971

Linearity

- 1.2 - 600 mg/dL (0.03 - 15.5 mmol/L)

No Significant Interferences Up to Levels Indicated

- Hemoglobin: 500 mg/dL (78 $\mu\text{mol/L}$)
- Bilirubin: 20 mg/dL (342 $\mu\text{mol/L}$)
- Intralipid: 1000 mg/dL (3000 mg/dL (33.9 mmol/L) Simulated Triglycerides)

Reference Range⁽¹⁾

	DESIRABLE	BORDERLINE RISK FOR CHD	HIGH RISK FOR CHD
Cholesterol Levels	<200 mg/dL (5.2 mmol/L)	200-239 mg/dL (5.2-6.2 mmol/L)	≥ 240 mg/dL (6.2 mmol/L)
(Adults over age 20)			

(a) The performance of this method (y) was compared with the performance of a similar cholesterol method (x) on a Roche/Hitachi® 704 analyzer.

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Ordering information

	Configuration	Catalog Number
Cholesterol-SL	R1 2 x 100mL	234-60
DC-Cal Calibrator	5 x 3mL	SE-035
DC-Trol Level 1	10 x 5mL	SM-052
DC-Trol Level 2	10 x 5mL	SM-056

(1) Rafai, N., Warnick, R.G., (Ed) *Laboratory Measurement of Lipids, Lipoproteins and Apolipoproteins*, AACC Press, Washington, DC, 25, (1994).



Experience + Technology + Portfolio + Support = **CLINICAL CHEMABILITY™**

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