



CLINICAL CHEMISTRY



Ultra N-geneous® HDL Reagent

FOR THE QUANTITATIVE MEASUREMENT OF HIGH-DENSITY LIPOPROTEIN CHOLESTEROL (HDL-C)

METHOD: ENZYMATIC (ACCELERATOR SELECTIVE DETERGENT); ENDPOINT

HDL-C measurements are a useful tool in identifying patients at increased risk of coronary artery disease. The SEKISUI Ultra N-geneous® HDL is based on accelerating the reaction of cholesterol oxidase with non-esterified cholesterol and dissolving HDL selectively using a specific detergent. The assay directly measures HDL-C levels in serum and plasma samples.

Features

- Meets 1998 NCEP total error goals of <13%
- Liquid stable, ready to use reagent
- Wide linear range compared to the reference range

Benefits

- Confidence in results and correct classification of patients
- Easy to use, no additional preparation required
- Reduced need for repeat testing and sample dilutions

Performance Characteristics

Precision

- Within-Run: $\leq 0.8\%$
- Total Precision: $\leq 1.5\%$

Accuracy^(a)

- Slope: 0.99
- Intercept: 2.8 mg/dL (0.07 mmol/L)
- Correlation Coefficient: 0.996

Linearity

- 2.5-200.0 mg/dL (0.06-5.17 mmol/L)

No Significant Interferences Up to Levels Indicated

- Conjugated Bilirubin: 60 mg/dL (712 $\mu\text{mol/L}$)
- Total Bilirubin: 60 mg/dL (1026 $\mu\text{mol/L}$)
- Hemoglobin: 1000 mg/dL (155 $\mu\text{mol/L}$)
- Ascorbic Acid: 100 mg/dL (5680 $\mu\text{mol/L}$)
- Lipemia (Intralipid®): 1800 mg/dL (20.34 mmol/L)
- Gamma-globulins: 5000 mg/dL (50 g/L)

Reference Range

- Males: 30-70 mg/dL (0.78-1.81 mmol/L)
- Females: 30-85 mg/dL (0.78-2.20 mmol/L)⁽¹⁾

It is recommended that each laboratory establish the normal range for its patient population.

(a) The performance of this method (y) on a Roche/Hitachi® 911 analyzer was compared with the performance of the designated comparison method (x).

(1) Tietz, N. W., Clinical Guide to Laboratory Tests, W. B. Saunders Co., Philadelphia, p. 256 (1986).

Ultra N-geneous® HDL Reagent

Ordering Information

	Configuration	Catalog Number
ULTRA N-GENEOUS® HDL REAGENT	R1 1 x 750 mL	80-6283-00
ULTRA N-GENEOUS® HDL REAGENT	R2 1 x 250 mL	80-6277-00
HDL Ultra	R1 1 x 60 mL R2 1 x 20 mL	6121
HDL Ultra	R1 1 x 250 mL R2 1 x 80 mL	6122
HDL ULTRA CHOLESTEROL CALIBRATOR	3 x 1 mL	6272-3

To learn more about our clinical chemistry reagent products scan the QR code or go to [Clinical Chemistry Reagents – SEKISUI Diagnostics](#).



Securing accurate and reliable Clinical Chemistry results!



THE AMERICAS

SEKISUI Diagnostics, LLC
One Wall Street
Burlington, MA 01803
Phone: 800 332 1042

Email: questions@sekisui-dx.com

INTERNATIONAL

Sekisui Diagnostics (UK) Limited
Liphook Way, Allington
Maidstone, Kent, ME16 0LQ, UK
Phone: +44 1622 607800

Email: info@sekisui-dx.com

SEKISUI
DIAGNOSTICS

Because every result matters™

sekisuidiagnostics.com