

THE CHOICE FOR LIPOPROTEIN

Cardiovascular
Marker

DIAZYME'S LIPOPROTEIN ASSAYS

HDL | LDL | Lp(a) | Apo A-1 | Apo B

- Immunoturbidimetric method
- Liquid ready-to-use reagents
- Excellent accuracy and precision
- Low cost per test
- Wide dynamic range
- Wide range of instrument parameters available for simplifying implementation



LIPOPROTEIN ASSAYS

Dual Vial
Liquid Stable

	HDL	LDL	Lp(a)	Apo A-1	Apo B
Method	Proprietary PVS/PEGME coupled EnzymeTechnology		Immunoturbidimetric Assay		
Traceability	NIST Standard Reference 1951c		Traceable to Predicate	WHO International Reference Material	
Method Correlation	$R^2 = 0.987$ regression $y = 1.048x - 4.69$	$R^2 = 0.9804$ regression $y = 1.0883x + 0.6078$	$R = 0.9868$ regression $y = 0.9828x + 1.0033$	$R^2 = 0.9789$ regression $y = 0.91x + 2.813$	$R^2 = 0.9874$ regression $y = 0.9875x - 1.803$
Precision	Within-Run Precision (S_p) ≤ 1.1 %CV Between-Run Precision (S_T) ≤ 3.7 %CV	Within-Run Precision (S_p) ≤ 1.1 %CV Between-Run Precision (S_T) ≤ 1.6 %CV	Within-Run Precision (S_p) ≤ 3.7 %CV Between-Run Precision (S_T) ≤ 2.3 %CV	Within-Run Precision (S_p) ≤ 0.9 %CV Within-Laboratory Precision (S_T) ≤ 3.3 %CV	Within-Run Precision (S_p) ≤ 1.4 %CV Within-Laboratory Precision (S_T) ≤ 4.8 %CV
On-Board Stability*	8 weeks	8 weeks	4 weeks	8 weeks	7 weeks
Calibrator & Controls	The same calibrator is used for both HDL and LDL assays		Liquid stable Calibrator and Controls	The same calibrator are used for both Apo A-1 and Apo B assays	
Sample Type	Serum/Plasma • EDTA • Citrate • Lithium Heparin	Serum/Plasma • EDTA • Citrate	Serum/Plasma • K ₂ EDTA • Lithium Heparin	Serum	Serum
Sample Volume*	3 μ L	3 μ L	4 μ L	2 μ L	2 μ L
Linearity	1.06 to 184.8 mg/dL	4.4 to 250 mg/dL	5.4 to 100 mg/dL	1.44 to 250.8 mg/dL in serum	3.60 to 240 mg/dL in serum
Regulatory Status	• 510(k) Cleared • 	• 510(k) Cleared • 	• 510(k) Cleared •  • Health Canada Registered	• 510(k) Cleared • 	

*Analyzer Dependent

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