

## Lipase Color

### FOR THE QUANTITATIVE MEASUREMENT OF LIPASE

#### METHOD: ENZYMATIC; KINETIC

Lipase measurements are used to diagnose pancreatic disease and the associated monitoring of therapeutic effects.

The Lipase Color test is a colorimetric, kinetic assay that uses a clear substrate solution of 1, 2-diglyceride that is a “natural” substrate. The assay is highly sensitive and specific for pancreatic lipase, using colipase and deoxycholate as activators. <sup>(1)</sup> It is intended for the quantitative measurement of pancreatic lipase activity in serum or plasma.

Features	
<ul style="list-style-type: none"> <li>Wide linear range compared to the reference range</li> </ul>	<ul style="list-style-type: none"> <li>No significant interferences from triglyceride, glycerol, ascorbic acid, bilirubin, hemoglobin or lipemia</li> </ul>
Benefits	
<ul style="list-style-type: none"> <li>Reduces repeat testing</li> </ul>	<ul style="list-style-type: none"> <li>Reduced need for sample dilutions</li> </ul>
Performance Characteristics	
<p><b>Precision</b></p> <ul style="list-style-type: none"> <li>Within-Run: <math>\leq 2.4\%</math></li> <li>Total Precision: <math>\leq 4.4\%</math></li> </ul> <p><b>Accuracy<sup>(a)</sup></b></p> <ul style="list-style-type: none"> <li>Slope: 1.045</li> <li>Intercept: -0.7 U/L</li> <li>Correlation Coefficient: 0.9988</li> </ul> <p><b>Linearity</b></p> <ul style="list-style-type: none"> <li>2-750 U/L</li> </ul> <p>(a) The performance of this method (y) on a Roche/Hitachi® 911 analyzer was compared with the performance of a similar method (x) on a Beckman CX analyzer.</p>	<p><b>No Significant Interferences Up to Levels Indicated</b></p> <ul style="list-style-type: none"> <li>Liposyn: 3000 mg/dL (1%)</li> <li>Triglyceride: 1000 mg/dL (11.3 mmol/L)</li> <li>Ascorbic Acid: 50 mg/dL (2840 <math>\mu\text{mol/L}</math>)</li> <li>Unconjugated Bilirubin: 20 mg/dL (342 <math>\mu\text{mol/L}</math>)</li> <li>Conjugated Bilirubin: 25 mg/dL (296.5 <math>\mu\text{mol/L}</math>)</li> <li>Hemoglobin: 2000 mg/dL (310 <math>\mu\text{mol/L}</math>)</li> <li>Glycerol: 250 mg/dL (27.15 mmol/L)</li> </ul> <p><b>Reference Range</b></p> <ul style="list-style-type: none"> <li>21-67 U/L</li> </ul>

(1) Imamura S., et al, “An Enzymatic Method Using 1, 2-Diglyceride for Pancreatic Lipase Test in Serum.” Clinical Chemistry 1989; 35 (6): 1126.

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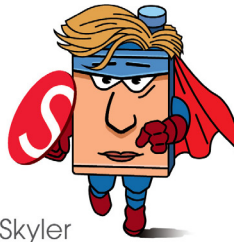
## Ordering Information

	Configuration	Catalog Number
LIPASE COLOR	5 x 30 mL (Reagent) 1 x 200 mL (Solvent) 1 x 60 mL (Activator) 2 x 3 mL (Calibrator)	905-B

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