

Lipase

Pancreatic Specific for Optimized Performance

DCL's Lipase is a cost effective, alternative reagent with premium features and performance. This assay uses a clear, "natural", water soluble substrate of pancreatic lipase, 1,2 diglyceride, and is specific for pancreatic lipase through the use of co-lipase and deoxycholate. Interferences from non-specific esterases, hepatic lipase or lipoprotein lipase are insignificant due to their inhibition by deoxycholate.

Interference profile

Interference factor	Level tested
Free Glycerol	100 mg/dL
Lipemia (Triglycerides)	3000 mg/dL (33.9 mmol/L)
Bilirubin (Icterus)	20 mg/dL (342 µmol/L)
Hemolysis (Hemoglobin)	100 mg/dL (124 µmol/L)

- DCL's methodology is a fully kinetic assay requiring no sample blanking and demonstrating improved accuracy over turbidimetric assays.
- Interference from endogenous glycerol and ascorbic acid is eliminated ensuring test accuracy.

Linearity and Precision

DCL's Lipase assay can provide extended linearity up to 2500 U/L when using reduced sample volume features of some chemistry analyzers. Within-run precision of < 2% is typical of performance achieved by this reagent.

Veterinary Diagnostic Ranges

Reference Ranges for canine and feline sera have been established. DCL Lipase is often used in veterinary applications on most of today's popular chemistry instruments.

Canine: 30-560 U/L

Feline: 3-105 U/L

Lipase

18 month shelf life at 2-8°C

Cat. No. 300-10 Enzymatic, Rate, 550 nm

2 x 10 mL (R1) Enzyme,
1 x 5 mL (R2) Activator

Cat. No. 300-50 Enzymatic, Rate, 550 nm

10 x 10 mL + 1 x 35 mL

Cat. No. 300-53 Enzymatic, Rate, 550 nm

5 x 30 mL + 1 x 50 mL

Associated Products

Cat. No. SE-050 Lipase Standard

4 x 3 mL

Cat. No. SM-052 DC-Trol Level 1 Control (Normal)

10 x 5 mL

Cat. No. SM-056 DC-Trol Level 2 Control (Abnormal)

10 x 5 mL

30050/53.1S
2/18/03



Diagnostic Chemicals Limited

800-565-0265 (Canada) - Charlottetown, PE, Canada C1E 2A6, 902-566-1396 ♦ Fax 902-566-2498

800-325-2436 (USA) - Oxford, Connecticut, USA 06478, 203-881-2020 ♦ Fax 203-888-1143

www.dclchem.com ♦ e-mail: sales@dclchem.com