



ENZYMES

Colipase

ORIGIN: *PORCINE PANCREAS*

CAT#: COLI-70-1254

EC#: 259-490-1



SPECIFICATIONS

Appearance:	Colourless liquid
Protein:	0.15-0.52 mg/mL
pH:	6.0-8.0
Contaminants:	Glucose Oxidase <0.002 U/mg powder

ASSAY PRINCIPLE

Colipase catalyses the following reaction:



The assay is based on the fact that lipase activity is inhibited by the presence of bile salts at pH 6.5. The addition of colipase restores this activity and the fatty acids released are continuously titrated with sodium hydroxide.

APPLICATION

Pancreatic colipase is a required co-factor for pancreatic lipase, due to its ability to reverse the inhibition of lipase activity by bile salts during hydrolysis of dietary triglycerides.

THE AMERICAS

SEKISUI Diagnostics, LLC
One Wall Street
Burlington, MA 01803
Phone: 800 332 1042
Fax: 800 762 6311

INTERNATIONAL

SEKISUI Diagnostics (UK) Limited
Liphook Way, Allington
Maidstone, Kent, ME16 0LQ, UK
Phone: +44 1622 607800
Fax: +44 1622 607801

info@sekisui-dx.com
sekisuidiagnostics.com

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