

ENZYMES

Colipase

ORIGIN Porcine pancreas

CAT# 70-6254-01

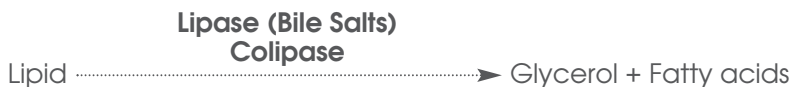
EC# 259-490-1

▀ SPECIFICATIONS

Appearance	Colourless liquid
Activity	10 KU-20 KU/mL at 20°C
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.

▀ UNIT DEFINITION

One unit of activity is defined as the amount of enzyme that will catalyze the release of 1.0 micromole of fatty acid from tributyrin per minute at 20°C under the standard assay method conditions.

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