

Lipase Activity Colorimetric Assay Kit II

Cat. No. Kit-2223 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Lipase is a subclass of the esterases that catalyze the hydrolysis of ester bonds in water-insoluble, lipid substrates. Lipases perform essential roles in the digestion, transport and processing of dietary lipids (e.g. triglycerides, fats, oils) in most, if not all, living organisms. In humans, pancreatic lipases are the key enzyme responsible for breaking down fats in the digestive system by converting triglycerides to monoglycerides and free fatty acids. During the damage of the pancreas, lipase levels can rise 5 to 10-fold within 24 to 48 hours. The kit provides a simple, sensitive, and reliable assay for rapid analysis of Lipase in samples. In the assay, Lipases hydrolyze a specific substrate to generate a product which reacts with the DTNB probe to generate color ($\lambda=412$ nm). The kit is also suitable for high throughput analyses.
Storage	-20°C
Shipping	Gel Pack
Size	100 assays
Kit Components	Lipase Assay Buffer; DTNB Probe; Lipase Substrate; TNB Standard (5 mM); Lipase Positive Control
Target Species	Mammalian
Detection method	Absorbance (412 nm)
Features & Benefits	Simple procedure; takes ~ 60-90 minutes;

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Fast and convenient;

Sensitive assays for measuring Lipase activity in various biological samples and the kit is also suitable for high throughput analyses.

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