CREATIVE BIOMART®
Assay Kit

Lactic Acid (LA) HPLC Assay kit

Product Information

Product Overview

L-Lactic acid is an organic acid produced from corn starch through biological fermentation. It is a colorless, clear, viscous liquid with acidic aqueous solutions. Due to its levorotatory nature, L-lactic acid exhibits excellent biocompatibility and can directly participate in human metabolism without adverse effects. It is widely used in food, pharmaceutical, and related industries.
L-Lactic acid shows an absorption peak at 210 nm and can be quantitatively determined by HPLC.

Size

50t/48s

Detection method HPLC

Materials Required but Not Supplied

HPLC system (Polaris C18-A column, 4.6 × 250 mm; UV detector), benchtop centrifuge, adjustable pipettes, mortar or homogenizer, 2 mL EP tubes, syringe filters (aqueous), syringes, vacuum filtration apparatus, aqueous and organic filter membranes, amber vials (1.5 mL, 50 pcs), and ultrapure water.

Kit Components

Extraction solution: 80 mL × 1 bottle, stored at 4 °C
Reagent I: 2 mL × 1 bottle, stored at 4 °C
Reagent II: powder × 2 bottles, stored at 4 °C
Standard: powder × 1 bottle, store at 4 °C protected from light. Reconstitute with 2 mL distilled water to prepare a 10 mg/mL L-lactic acid standard solution before use.

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