CREATIVE BIOMART®
Assay Kit

Alpha-Ketoglutarate HPLC Assay kit

Product Information

Product Overview

a-Ketoglutarate is one of the keto derivatives of glutaric acid. Its anionic form, a-ketoglutarate, is an important biological compound, serving as the deamination product of glutamate and a key intermediate in the tricarboxylic acid (TCA) cycle.
a-Ketoglutarate exhibits an absorption peak at 210 nm and can be quantitatively analyzed using high-performance liquid chromatography (HPLC).

Size

50t/48s

Storage

Store at 2–8 °C. Shelf life: 6 months.

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 a-ketoglutarate standard solution before use.

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA