CREATIVE BIOMART®
Assay Kit

GABA Aminotransferase (GABA-T) activity assay kit

Product Information

Product Overview

γ-aminobutyric acid transaminase (GABA-T, EC 2.6.1.96) is one of the key enzymes in the GABA shunt pathway, catalyzing the degradation and conversion of GABA. This kit uses γ-aminobutyric acid transaminase (GABA-T) to catalyze the reaction between pyruvate and GABA, producing succinic semialdehyde and alanine. By measuring the decrease in GABA, the enzyme activity of GABA-T can be determined.
Reaction equation: 4-aminobutanoate + pyruvate = succinate semialdehyde + L-alanine

Size

48 Samples

Storage

4□

Shipping

Ice pack

Kit Components

Extraction Solution: Liquid, 60mL × 1 bottle, stored at 4°C.
Reagent 1: Powder, mg × 1 vial, stored at 4°C.
Before use, shake the vial to bring the powder to the bottom, then add 3mL of Reagent 3 to dissolve and prepare for use.
Reagent 2: Powder, mg × 1 vial, stored at 4°C.
Before use, shake the vial to bring the powder to the bottom, then add 4.5mL of Reagent 3 to dissolve and prepare for use.
Reagent 3: Liquid, 8mL × 1 bottle, stored at 4°C.
Reagent 4: Liquid, 11mL × 1 bottle, stored at 4°C.
Reagent 5:
A: Liquid, 8mL × 3 bottles
B: Liquid, 2mL × 1 vial

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Stored at 4°C.
Before use, take 0.55mL of B liquid and add it to one bottle of A liquid, mix well and use as Reagent 5. Mixed Reagent 5 should be used within half a month.
Reagent 6: Liquid, 10mL × 1 bottle, stored at 4°C.
Standard: Powder, mg × 1 vial, stored at 4°C. This reagent is used if a new calibration curve needs to be prepared.

Materials Required but Not Supplied

Microplate reader, 96-well plate, water bath, centrifuge, adjustable pipette, mortar, ice, and distilled water.

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