CREATIVE BIOMART®
Assay Kit

Amino Acid (AA) Content Assay Kit

Product Information

Product Overview

Significance: In animals, the liver and kidneys are the primary organs for amino acid metabolism, so urinary amino acid levels reflect liver and kidney physiological status. Amino acids also provide insight into conditions like burns and typhoid. In plants, amino acid content helps study nitrogen metabolism, absorption, transport, assimilation, and nutritional status across growth stages and conditions.
Principle: The a-amino group of amino acids reacts with ninhydrin hydrate to form a blue-purple compound, with a characteristic absorbance at 570 nm. Amino acid content is determined by measuring absorbance at 570 nm.

Size

50t/48s

Storage

Store at 2–8 °C. Shelf life: 1 year.

Detection method Spectrophotometer

Materials Required but Not Supplied

Bench centrifuge, water bath, UV spectrophotometer, 1 mL glass cuvettes, adjustable pipettes, mortar, anhydrous ethanol, ice, distilled water.

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