CREATIVE BIOMART®
Assay Kit

Starch Content Assay Kit

Product Information

Product Overview

Significance: Starch is the primary storage carbohydrate in plants. Its quantification is important for evaluating food nutritional value and investigating carbohydrate metabolism in plant tissues. Principle: Soluble sugars are removed using 80% ethanol, separating them from starch. Starch is then hydrolyzed into glucose under acidic conditions. Glucose content is determined by the anthrone colorimetric method, allowing calculation of starch concentration.

Size

50t/48s

Storage

Store at 2–8 °C. Shelf life: 1 year.

Detection method Spectrophotometer

Materials Required but Not Supplied

Visible spectrophotometer or microplate reader, water bath, adjustable pipettes, quartz cuvettes or 96-well plates, mortar and pestle, ice, concentrated sulfuric acid (non-shippable), distilled water.

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