CREATIVE BIOMART®
Assay Kit

Soil Saccharase (S-SC) Activity Assay Kit

Product Information

Product Overview

Significance: S-SC hydrolyzes sucrose into absorbable monosaccharides. Its activity correlates with soil organic matter, N, P content, microbial population, and soil respiration, serving as an indicator of soil fertility.
Principle: S-SC catalyzes sucrose into reducing sugars, which react with 3,5-dinitrosalicylic acid to form a brown-red compound with characteristic absorbance at 510 nm.

Size

50t/24s

Storage

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

Detection method Spectrophotometer

Materials Required but Not Supplied

Visible spectrophotometer, centrifuge, water bath, adjustable pipettes, 1 mL glass cuvette, mortar, ice, toluene (not shippable), distilled water.

Kit Components

Toluene: 5 mL × 1 bottle, 4 °C (self-provided)
Liquid reagent: 15 mL × 1 bottle, 4 °C
Powder reagent: × 1 bottle, 4 °C, dissolve in 40 mL distilled water before use
Liquid reagent: 30 mL × 1 bottle, 4 °C

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