CREATIVE BIOMART®
Assay Kit

Sucrose Phosphoric Acid Synthetase (SPS) Activity Assay Kit

Product Information

Product Overview

Sucrose is a major photosynthetic product, the primary transport form of carbon in plants, and an important storage carbohydrate. Sucrose phosphate synthase (SPS, EC 2.4.1.14) catalyzes sucrose-phosphate formation from fructose-6-phosphate, which is subsequently converted to sucrose by sucrose-phosphate phosphatase. This enzyme system constitutes the main sucrose biosynthesis pathway.
SPS catalyzes sucrose-phosphate formation, which reacts with resorcinol to produce a colored product with characteristic absorbance at 480 nm. Color intensity is proportional to enzyme activity.

Size

100t/48s

Storage

Store at -20 °C. Shelf life: 6 months.

Detection method Spectrophotometer/Microplate Reader

Materials Required but Not Supplied

Visible spectrophotometer or microplate reader, water bath, centrifuge, pipettes, micro quartz cuvettes or 96-well plates, mortar, ice.

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