

Cell Wall-Binding Acid Invertase Activity Assay kit

Sucrose invertase (Invertase, Inv) irreversibly catalyzes the cleavage of sucrose to form glucose and fructose, which plays an important role in plant sucrose metabolism. According to the optimal pH, it can be divided into acid invertase (AI) and neutral invertase (NI). AI can be divided into soluble acid according to the difference of subcellular localization. Soluble acid Invertase (SAI) and Cell wall-bound acid Invertase (CWI). CWI binds to the cell wall in the form of ionic bonds, unloading sucrose in the phloem of the "bank" tissue, transporting sucrose out of the mass, plant growth and development.

CWI catalyzes the degradation of sucrose to produce reducing sugar, which reacts with 3,5-dinitrosalicylic acid to form a brown-red substance with a characteristic absorption peak at 540nm. CWI activity can be calculated by measuring the change in absorbance at 540nm.

Catalog No.	250432
Size	50 Assays / 100 Assays
Product Category	Colorimetric Assay
Detection Method	Spectrophotometry / Micro-Plate Reader
Storage/Stability	2 ~ 8°C/1 year
Shipping	Gel Packs