



Plant Cinnamyl Alcohol Dehydrogenase Activity Assay kit

CAD is one of the key enzymes in the biosynthetic pathway of lignin, which catalyzes the production of the corresponding cinnamyl alcohol from coumarin, sinusaldehyde, and conifer aldehyde. The enzymes are mostly found in higher plants, yeasts, and fungi. The study of this enzyme can explore the metabolic mechanism of lignin deposition during the development of a variety of biological cells. Less fruit stone cell content can provide a basis for improving its quality.

CAD catalyzes the formation of cinnamyl alcohol and NADP⁺ from cinnamaldehyde and NADPH. The NADPH consumption rate is measured at 340nm to reflect the activity of CAD.

Catalog No.	251417
Size	50 Assays / 100 Assays
Product Category	Colorimetric Assay
Detection Method	Spectrophotometry / Micro-Plate Reader
Storage/Stability	-20°C/1 year
Shipping	Gel Packs