

Polyphenol Oxidase (PPO) Assay Kit | PPO assay kit

Polyphenol Oxidase (PPO) Activity Assay Kit

CATALOG #
AAA177794

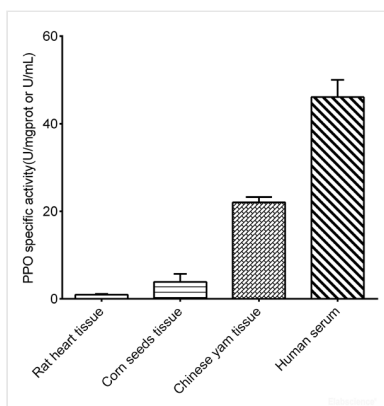
PRODUCT SYNONYMS

Polyphenol Oxidase (PPO); Polyphenol Oxidase (PPO) Activity Assay Kit; PPO assay kit

PRODUCT SPECIFICATIONS

Samples	Plant tissue samples
Preparation and Storage	Store at 2-8 degree C. Valid for 12 months

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for PPO assay kit

Intended Uses: This kit can be used to detect polyphenol oxidase (PPO) activity in plant tissue samples.

Principle of the Assay: Polyphenol oxidase (PPO) can catalyze phenolic compounds into quinone substances. The latter has specific absorption at 410 nm. The activity of PPO can be calculated indirectly by measuring the OD value at 410 nm.

Background/Introduction: Polyphenol oxidase (PPO) is one of the most widely distributed metalloproteinases in the nature. It is ubiquitous in plants, fungi, and insects. The activity of polyphenol oxidase can be detected even on the decaying plant residues of the soil. PPO catalyzes the formation of lignin and quinone compounds, which can prevent cells from being harmed by pathogens, and can also play a direct role in disease resistance by forming quinone substances. Therefore, through the research on the activity of PPO, it can more directly reflect the disease resistance of plant organism in the process of growth.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.