



Peroxidase (POD) Activity Assay Kit (Plant samples)

Cat No: HR3BC1279

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8?
Instrument	Microplate reader(410 nm-430 nm,optimum wavelength: 420 nm)
Assay Time	60 min
Validity	6
Assay Type	Enzyme Activity
Sample Type	Plant tissue
Synonyms	POD
Instrument	Microplate reader(410 nm-430 nm,optimum wavelength: 420 nm)
Detection Principle	Plant peroxidase, a member of the superfamily of peroxidase, catalyzes the redox reaction between H ₂ O ₂ and various reductants. The plant peroxidase has the same general structure and consists of iron porphyrin IX and ten α -helices. Based on the difference of primary structure, the superfamily of plant peroxidase can be divided into three types: class I (intracellular type), class II (extracellular type of fungi) and class III (secreted type of plant).
Reagents	PBS (0.01 M, pH 7.4)
Labware	Spectrophotometer (240 nm), Micropipettor, Vortex mixer, Centrifuge, 37? Incubator
Size	96T
Sensitivity	0.01 U/mL
Detection Range	0.01?100 U/mL
Recovery Rate	102