Peroxidase (POD) Activity Assay Kit (Plant Samples)

Cat No: HR3BC1155

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8?
Instrument	Spectrophotometer(240 nm?420 nm)
Assay Time	60 min
Validity	6
Assay Type	Enzyme Activity
Sample Type	Plant tissue
Synonyms	POD
Instrument	Spectrophotometer(240 nm?420 nm)
Detection Principle	The peroxidase can catalyze the decomposition of H2O2 and produce water and oxygen. And oxygen oxidized pyrogallic acid to form yellow product. The activity of peroxidase can be calculated by measuring the absorbance at 420 nm.
Reagents	Normal saline (0.9% NaCl), PBS (0.01 M, pH 7.4)
Labware	Incubator, Vortex mixer, Micropipettor, Centrifuge
Size	100Assays
Sensitivity	0.5 U/mL
Detection Range	0.5-40 U/mL
Recovery Rate	98