Glycolate Oxidase Activity Assay Kit

Cat No: HR3BC1294

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8?
Instrument	Spectrophotometer (324 nm)
Assay Time	30 min
Validity	6
Assay Type	Enzyme Activity
Sample Type	plant tissue
Synonyms	
Instrument	Spectrophotometer (324 nm)
Detection Principle	Glycolate oxidase catalyzes sodium glycolate substrate to form glyoxylic acid, which reacts with phenylhydrazine hydrochloride to form phenylhydrazone glyoxalate. The substance has an absorption peak at 324 nm, and its OD value is proportional to the concentration of phenylhydrazone glyoxalate in a certain range, and the amount of phenylhydrazone generated reflects the activity of glycolate oxidase.
Reagents	
Labware	Test tube, Micropipettor, Vortex mixer, Optical path cuvette (1 mL of volume, 1 cm optical diameter)
Size	100 Assays
Sensitivity	0.3 U/mL
Detection Range	0.3-350 U/mL
Recovery Rate	102