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Product Datasheet

CheKine(TM) Micro Ribulose Bisphosphate Carboxylase/Oxygenase (Rubisco) Assay Kit ASC-KTB1480

Article Name	CheKine(TM) Micro Ribulose Bisphosphate Carboxylase/Oxygenase (Rubisco) Assay Kit
Biozol Catalog Number	ASC-KTB1480
Supplier Catalog Number	KTB1480
Alternative Catalog Number	ASC-KTB1480-48, ASC-KTB1480-96
Manufacturer	Abbkine Scientific
Category	Kits/Assays
Product Description	CheKine(TM) Micro Ribulose Bisphosphate Carboxylase/Oxygenase (Rubisco) Assay Kit is designed for detecting Rubisco activity in the sample....
Tag	Rubisco
Application Notes	CheKine(TM) Micro Ribulose bisphosphate carboxylase/oxygenase (Rubisco) Assay Kit provides a simple method for detecting Rubisco activity in plant tissues. One molecule of ribulose-1,5-diphosphate (RuBP) combines with one molecule of CO ₂ to produce two molecules of 3-phosphoglyceric acid (PGA). Glyceraldehyde-3-phosphate can be produced by PGA through the action of additional 3-phosphoglycerate kinase and glyceraldehyde-3-phosphate dehydrogenase, which is accompanied by NADH oxidation to produce NAD ⁺ . NADH has a characteristic absorption peak at 340 nm, while NAD ⁺ does not. Rubisco activity is calculated by measuring the rate of decrease in light absorption at 340 nm.