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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 <sub>2</sub> 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 <sup>+</sup> . NADH has a characteristic absorption peak at 340 nm, while NAD <sup>+</sup> does not. Rubisco activity is calculated by measuring the rate of decrease in light absorption at 340 nm. |