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## Product Datasheet

### CheKine(TM) Micro Superoxide Anion Assay Kit ASC-KTB1210

Article Name	CheKine(TM) Micro Superoxide Anion Assay Kit
Biozol Catalog Number	ASC-KTB1210
Supplier Catalog Number	KTB1210
Alternative Catalog Number	ASC-KTB1210-48, ASC-KTB1210-96
Manufacturer	Abbkine Scientific
Category	Kits/Assays
Product Description	Abbkine CheKine(TM) Superoxide Anion Colorimetric Assay Kit is designed for detecting the O <sub>2</sub> <sup>-</sup> content in the sample....
Range	0.001-0.2 mg/mL
Sensitivity	0.001 µmol/mL
Tag	Superoxide Anion
Application Notes	The kit provides a simple method for detecting the O <sub>2</sub> <sup>-</sup> content in a variety of biological samples such as animal tissues, plant tissues, serum, cells . In the assay, The superoxide anion in variety of biological samples reacts with hydroxylamine hydrochloride to produce NO <sub>2</sub> <sup>-</sup> , and NO <sub>2</sub> <sup>-</sup> reacts with Gris reagent. The mechanism of Gris analysis is summarized as the azo coupling between diazoniums, which is It is produced by sulfonamides and NO <sub>2</sub> <sup>-</sup> and N-(1-naphthyl)ethylenediamine dihydrochloride to generate a red azo compound with a characteristic absorption peak at 540nm. The O <sub>2</sub> <sup>-</sup> content in the sample can be calculated based on the A <sub>540</sub> value.