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## Product Datasheet

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

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| Artikelname              | CheKine(TM) Micro Superoxide Anion Assay Kit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Artikelnummer            | ASC-KTB1210                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Hersteller Artikelnummer | KTB1210                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Alternativnummer         | ASC-KTB1210-48, ASC-KTB1210-96                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Hersteller               | Abbkine Scientific                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Kategorie                | Kits/Assays                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Produktbeschreibung      | Abbkine CheKine(TM) Superoxide Anion Colorimetric Assay Kit is designed for detecting the O <sub>2</sub> <sup>-</sup> content in the sample....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Detektionsbereich        | 0.001-0.2 mg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Sensitivitaet            | 0.001 µmol/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Tag                      | Superoxide Anion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Anwendungsbeschreibung   | 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 A540 value. |