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Product Datasheet

Superoxide Anion Colorimetric Assay Kit BYT-ORB1173205

Artikelname	Superoxide Anion Colorimetric Assay Kit
Artikelnummer	BYT-ORB1173205
Hersteller Artikelnummer	orb1173205
Alternativnummer	BYT-ORB1173205-48, BYT-ORB1173205-96
Hersteller	Biorbyt
Kategorie	Kits/Assays
Produktbeschreibung	The kit provides a method for detecting the O ₂ ⁻ content in biological samples such as tissues, serum, and cells. The superoxide anion reacts with hydroxylamine hydrochloride to produce NO ₂ ⁻ , which then reacts with Gris reagent....
Detektionsbereich	0.0125-0.5 mg/mL
Sensitivitaet	0.0125 mg/mL
Anwendungsbeschreibung	Application Notes: The kit provides a simple method for detecting the O ₂ ⁻ 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 ₂ ⁻ , and NO ₂ ⁻ 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 ₂ ⁻ and N-(1-naphthyl)ethylenediamine dihydrochloride to generate a red azo compound with a characteristic absorption peak at 540nm. The O ₂ ⁻ content in the sample can be calculated based on the A ₅₄₀ value