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Product Specification

Product Name:

Superoxide Dismutase from bovine erythrocytes – BioReagent, $\geq 3,000$ units/mg protein, suitable for cell culture, lyophilized powder

Product Number:

S5395

CAS Number:

9054-89-1

MDL:

MFCD00132404

Formula Weight:

32,000.00 g/mol

Storage Temperature:

-20 °C

TEST	Specification
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% Protein (Biuret)

 ≥ 95

units/mg protein

 ≥ 3000

Enzymatic Activity

One unit will inhibit the rate of reduction of cytochrome C by 50% in a coupled system using xanthine and xanthine oxidase at pH 7.8 at 25 deg C in a 3.0 mL reaction volume with a xanthine oxidase concentration that will cause a change in absorbance of 0.025 per min at 550 nm.

Cell Culture Test

Pass

at least 10 positive wells per plate

Specification: PRD.0.ZQ5.10000033533

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.