Creative Enzymes®

Native Porcine Cytochrome c Reductase

Cat. No. NATE-0179

Lot. No. (See product label)

Introduction

Description	Cytochrome c reductase is a flavoprotein that completes the oxidation-reduction chain between hexosemonophosphate and cytochrome c. The molecular weight of cytochrome c reductase is found to be approximately 78 kDa Da. The prosthetic group of cytochrome c reductase is alloxazine mononucleotide. The enzyme is very unstable with respect to low pH and to denaturation by heat.
Synonyms	EC 1.6.99.3; cytochrome c reductase; type 1 dehydrogenase; β-NADH dehydrogenase dinucleotide; diaphorase; dihydrocodehydrogenase I dehydrogenase; dihydronicotinamide adenine dinucleotide dehydrogenase; diphosphopyridine diaphorase; DPNH diaphorase; NADH diaphorase; NADH hydrogenase; NADH oxidoreductase; NADH-menadione oxidoreductase; reduced diphosphopyridine nucleotide diaphorase; NADH:cytochrome c oxidoreductase; NADH2 dehydrogenase; NADH: (acceptor) oxidoreductase; 9027-14-9

Product Information

Species	Porcine
Source	Porcine heart
Form	lyophilized powder. Crude, lyophilized powder containing potassium phosphate, pH approx. 7.0
EC Number	EC 1.6.99.3
CAS No.	9027-14-9
Activity	> 1.0 units/mg protein
Unit Definition	One unit will reduce 1.0 µmole of oxidized cytochrome c per min at pH 8.5 at 25°C.

Storage and Shipping Information

Storage	−20°C