

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. 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 μ mole of oxidized cytochrome c per min at pH 8.5 at 25°C.

Storage and Shipping Information

Storage -20°C