

## 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;  $\beta$ -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; NADH<sub>2</sub> 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  $\mu$ mole of oxidized cytochrome c per min at pH 8.5 at 25°C.

### Storage and Shipping Information

#### Storage

-20°C