

Native Escherichia coli Nitrate Reductase (cytochrome)

Cat. No. NATE-0485

Lot. No. (See product label)

Introduction

Description

Nitrate reductase (cytochrome) is an enzyme with system name ferrocycytochrome:nitrate oxidoreductase. This enzyme catalyses the following chemical reaction: $2 \text{ ferrocycytochrome} + 2 \text{ H}^+ + \text{nitrate} \leftrightarrow 2 \text{ ferricycycytochrome} + \text{nitrite}$.

Synonyms

Nitrate reductase (cytochrome); respiratory Nitrate reductase; benzyl viologen-Nitrate reductase; EC 1.9.6.1; 9029-42-9

Product Information

Source

Escherichia coli

Form

lyophilized powder

EC Number

EC 1.9.6.1

CAS No.

9029-42-9

Activity

> 5 units/g solid

Unit Definition

One unit will reduce 1.0 μmole of nitrate to nitrite per min at pH 7.0 at 30°C in a methylviologen system.

Storage and Shipping Information

Storage

-20°C