

## 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 catalises 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  $\mu\text{mole}$  of nitrate to nitrite per min at pH 7.0 at 30°C in a methylviologen system.

### Storage and Shipping Information

**Storage** -20°C