

Native Microorganism Glucose Dehydrogenase (FAD-dependent)

Cat. No. NATE-0251

Lot. No. (See product label)

Introduction

Description FAD-GDH catalyses the oxidation of glucose in the presence of an electron acceptor, such as 2,6-dichlorophenolindophenol or potassium ferricyanide.

Applications Blood glucose monitoring (biosensors) Biosensors

Synonyms D-glucose:acceptor 1-oxidoreductase; glucose dehydrogenase (*Aspergillus*); glucose dehydrogenase (decarboxylating); D-glucose: (acceptor) 1-oxidoreductase; Glucose Dehydrogenase (FAD-dependent); FAD-GDH; EC 1.1.99.10; 9035-82-9

Product Information

Source Microorganism

Form A yellow freeze dried material

EC Number EC 1.1.5.9

CAS No. 37250-84-3

Activity ≥ 800 U/mg protein

Unit Definition One unit will convert one micromole of D-glucose to D-glucono-1,5-lactone per min at pH 7.0 at 37°C.

Storage and Shipping Information

Storage Store desiccated at -15°C or below. Allow to come to room temperature before opening. Before returning to storage, re-desiccate under vacuum over silica gel for a minimum of four hours