Creative Enzymes®

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