

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 1.1.99.10
CAS No.	9035-82-9
Activity	> 625 U/mg
Contaminants	Glucose oxidase: <0.02%; GDH (NAD (P)) dependent: <0.02%; Hexokinase: <0.02%; α -Amylase: <0.01%
Unit Definition	That amount of enzyme causing the reduction of one micromole of 2,6-dichlorophenol-indopenol per minute at 37°C at pH 6.5

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
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