Creative Enzymes®

# Native Microorganism Glucose Dehydrogenase (FAD-dependent)

*Cat. No. NATE-0251*

*Lot. No.* (See product label)

## Introduction

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| ***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

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| ***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

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| ***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 |