

# Glucose Oxidase 100:1

## Catalogue No. GLOX-70-4854

### ORIGIN

*Aspergillus niger*

### SPECIFICATIONS

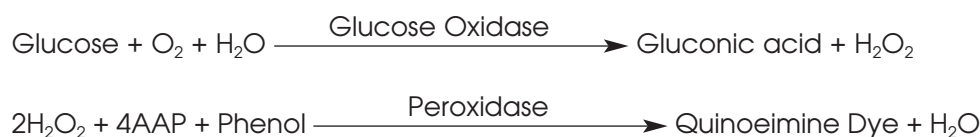
Appearance	Liquid
Activity	>7500 U/ml at 25°C
Specific Activity	>250.0 U/mg protein at 25°C
Contaminants:	
o Glucose oxidase to catalase ratio	>2.7:1

### CHARACTERISTICS

Optimum pH	5.2
pH stability	3.5 – 6.5
Optimum Temperature	55°C
Temperature stability	40°C - 60°C
Stability	1 year at 2-8°C

### ASSAY PRINCIPLE

Glucose Oxidase catalyses the following reaction:



The formation of quinoeimine dye can be measured spectrophotometrically at 500nm

### UNIT DEFINITION

One unit of activity is defined as the amount of enzyme that will catalyse the oxidation of 1.0 micromole of glucose per minute at 25°C under the standard assay method conditions.

(See Analytical Method for full details)



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