

Glucose Oxidase 100:1

Catalogue No. GLOX-70-4854

ORIGIN

Aspergillus niger

SPECIFICATIONS

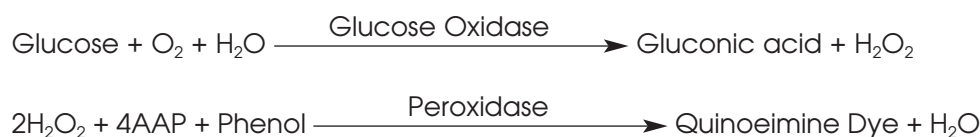
Appearance	Liquid
Activity	>7500 U/ml at 25°C
Specific Activity	>250.0 U/mg protein at 25°C
Contaminants:	
o Glucose oxidase to catalase ratio	>2.7:1

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)



THE AMERICAS
 31 New York Avenue
 Framingham, MA 01701-9322
 Phone: 800 332 1042
 Fax: 800 762 6311
 Email: usdiagcustomerservice@genzyme.com

INTERNATIONAL
 50 Gibson Drive
 Kings Hill, West Malling
 Kent, ME19 4AF, UK
 Phone: +44 (0) 1732 220022
 Fax: +44 (0) 1732 220024/5
 Email: ukdiagcustomerservice@genzyme.com