

Product:	GLUCOSE OXIDASE		
Product code:	GO3B3		
E.C. number:	1.1.3.4		
CAS number:	9001-37-0		
EINECS number:	232-601-0		
Systematic name:	β -D-Glucose:oxygen 1-oxidoreductase		
Alternative name:	Glucose oxyhydrase		
Source:	<i>Aspergillus niger</i>		
Form:	A freeze-dried material		
Storage conditions:	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. Re-seal before returning to -15°C or below.		
Unit definition:	That amount of enzyme causing the oxidation of one micromole of glucose per minute at 25°C and pH 7.0.		
Activity:	Not less than 324 U/mg protein (approximately 280 U/mg material).		
Solubility:	Dissolves readily at 5mg/ml in 0.1M potassium phosphate buffer, pH 7.0, to give a clear, yellow solution.		
Contaminants:	Specification	GO/CAT ratio: greater than 5,000	
	Typical Values	Not reported on CoA	
		α -amylase	less than 0.05%
		Saccharase	less than 0.5%
		Maltase	less than 0.05%