

Product:	GLUCOSE OXIDASE	
Product code:	GO3A	
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:	Of the order of 360 U/mg protein (324-396 U/mg protein, approximately 270 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 2,000
	Typical Values	Not reported on CoA
		α -amylase less than 0.05%
		Saccharase less than 0.05%
		Maltase less than 0.05%