

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
Source:	<i>Aspergillus niger</i>
Form:	A yellow freeze-dried powder.
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.
Specific 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:	GO/CAT ratio: greater than 5,000