

Product:	GLUCOSE OXIDASE
Product code:	GO3B2
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 (324-396U/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:	α -amylase: less than 0.05% Saccharase: less than 0.5% Maltase: less than 0.05% GO/Cat ratio: greater than 2,000

GO3B2 is processed through 2 chromatographic steps