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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:	Aspergillus niger
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.
Specific 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:	Maltase: less than 0.05% GO/CAT ratio: greater than 2,000

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