

<b>Product:</b>	<b>GLUCOSE OXIDASE</b>
<b>Product code:</b>	<b>GO3A</b>
<b>E.C. number:</b>	1.1.3.4
<b>CAS number:</b>	9001-37-0
<b>EINECS number:</b>	232-601-0
<b>Systematic name:</b>	$\beta$ -D-Glucose:oxygen 1-oxidoreductase
<b>Alternative name:</b>	Glucose oxyhydrase
<b>Source:</b>	<i>Aspergillus niger</i>
<b>Form:</b>	A freeze-dried material
<b>Storage conditions:</b>	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.
<b>Unit definition:</b>	That amount of enzyme causing the oxidation of one micromole of glucose per minute at 25°C and pH 7.0.
<b>Specific activity:</b>	Of the order of <b>360 U/mg protein</b> (324-396 U/mg protein, approximately 270 U/mg material).
<b>Solubility:</b>	Dissolves readily at 5mg/ml in 0.1M potassium phosphate buffer, pH 7.0, to give a clear, yellow solution.
<b>Contaminants:</b>	Maltase: less than 0.05% GO/CAT ratio: greater than 2,000