

<b>Product:</b>	<b>GLUCOSE DEHYDROGENASE (FAD-dependent)</b>
<b>Product code:</b>	<b>GLD1</b>
<b>E.C. number:</b>	1.1.99.10
<b>CAS number:</b>	9035-82-9
<b>EINECS number:</b>	232-907-4
<b>Systematic name:</b>	D-Glucose: (flavin adenine dinucleotide) dehydrogenase
<b>Alternative name:</b>	Glucose dehydrogenase (FAD-) (III)
<b>Source:</b>	<i>Microorganism</i>
<b>Form:</b>	A yellow 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.
<b>Unit definition:</b>	That amount of enzyme causing the reduction of one micromole of 2,6-Dichlorophenol-indophenol per minute at 37°C and pH 6.5.
<b>Activity:</b>	Not less than <b>625 U/mg material</b>
<b>Contaminants:</b>	Glucose oxidase: <0.02% GDH(NAD(P)) dependent: <0.02% Hexokinase: <0.02% $\alpha$ -Amylase: <0.01%
<b>Solubility:</b>	Dissolves readily at 5mg/ml in 0.05M potassium phosphate buffer, pH 6.5 to give a clear solution.