

<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%
	α-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.	