

<b>Product:</b>	<b>GLUTAMATE DEHYDROGENASE</b>
<b>Product code:</b>	<b>GDHB3</b>
<b>E.C. number:</b>	1.4.1.3
<b>CAS number:</b>	9029-12-3
<b>EINECS number:</b>	232-848-4
<b>Systematic name:</b>	L-Glutamate:NAD(P) <sup>+</sup> oxidoreductase (deaminating)
<b>Alternative names:</b>	Glutamate dehydrogenase [NAD(P) <sup>+</sup> ]; Glutamic dehydrogenase
<b>Source:</b>	Bovine liver
<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 transformation of one micromole of 2-Oxoglutarate per minute at 25°C and pH 7.3. (under assay conditions <b>not</b> containing ADP)
<b>Activity:</b>	Not less than <b>10U/mg material</b> (approximately 40U/mg enzyme protein)
<b>Solubility:</b>	Dissolves readily at 5 mg/ml in 0.05M potassium phosphate buffer, pH 7.4 to give a clear solution.
<b>Contaminants:</b>	Ammonium ions: less than 0.001µmole/Unit GLDH LDH: less than 0.01% MDH: less than 0.01%