

Product Specification

GLUCOSE-6-PHOSPHATE DEHYDROGENASE

Product code:	G6PDH
E.C. number:	1.1.1.49
CAS number:	9001-40-5
EINECS number:	232-602-4
Systematic name:	D-glucose-6-phosphate:NADP+ 1-oxidoreductase
Alternative name:	Glucose-6-Phosphate dehydrogenase
Source:	Microorganism
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.
Unit definition:	That amount of enzyme causing the reduction of one micromole of NAD ⁺ per minute at 25°C and pH 7.8
Activity:	Not less than 200 U/mg material
Solubility:	Dissolves readily at 5mg/ml in 0.05 M Tris buffer, pH 8 to give a clear solution.