**Product:** GLUCOSE DEHYDROGENASE (FAD-dependent)

**Product code:** GLD3

**E.C. number:** 1.1.99.10

**CAS number:** 9035-82-9

**EINECS number:** 232-907-4

**Systematic name:** D-Glucose: (flavin adenine dinucleotide) dehydrogenase

**Alternative name:** Glucose dehydrogenase (FAD-) (III)

**Source:** Microorganism

**Form:** A yellow 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 2,6-Dichlorophenol-indophenol per minute at 37°C and pH 6.5.

**Activity:** Not less than 300 U/mg material

**Solubility:** Dissolves readily at 5mg/ml in 0.05M potassium phosphate buffer, pH 5.6 to give a clear solution.