innovation diagnostic chemicals
17B Fota Business Park, Carrigtwohill, Cork T45EY16

PRODUCT SPECIFICATIONS

Product :	**Glucose dehydrogenase (PQQ-dependent)**
Origin :	**Microorganism**
Code :	**GDP-800**
E.C. Number :	**1.1.99.17**
Nomenclature :	**D-Glucose: pyrroloquinoline-quinone 1-oxidoreductase**
Form :	**Purple freeze-dried powder**
Molecular weight :	**100,000**
Activity :	**≥ 500 u/mg**
Contaminants :	**Hexokinase ≤ 10^{-3} %; Glucose dehydrogenase (NAD dependent) ≤ 10^{-3} %**
Optimum temperature :	**37 °C**
Optimum pH :	**7.0**
Unit definition :	**1 unit causes the formation of ½ micromole of diformazan/min at 37°C and pH 6.5**
Stability :	**12 months**
Storage :	**-20 °C**