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

PRODUCT SPECIFICATIONS

Product :	**Glucose dehydrogenase (NAD(P)-dependent)**
Origin :	**Microorganism**
Code :	**GDN-800**
E.C. Number :	**1.1.1.47**
Nomenclature :	**β-D-Glucose: $NAD(P)^+$ 1-oxidoreductase**
Form :	**Yellowish amorphous powder**
Molecular weight :	**101,000**
Activity :	**≥ 250 u/mg**
Contaminants :	**NADH oxidase ≤ 10^{-3} %; α-glucosidase ≤ 10^{-3} %; Glucose-6-P dehydrogenase ≤ 10^{-3} %**
Optimum temperature :	**55 °C**
Optimum pH :	**9.0**
Unit definition :	**1 unit causes the formation of 1 micromole of NADH/min at 25°C and pH 7.5**
Stability :	**12 months**
Storage :	**-20 °C**