

Glucose dehydrogenase(PQQ-dependent), Enzyme Activity

Catalog	Unit
TBP0021-1KU	1000 U
TBP0021-5KU	5000 U

Preparation and Specification

Formulation: Liquid

Unit: 5000 U/mL

Contaminants: Glucose dehydrogenase $\leq 1.0 \times 10^{-3}\%$ (NAD-dependent), Hexokinase $\leq 1.0 \times 10^{-3}\%$

Stabilizers: Ca⁺⁺, BSA

Properties

Stability: Stable at -20°C for at least One year

Molecular weight: approx. 100,000 (by gel filtration)

Michaelis constant: 4.8mM (D-Glucose)

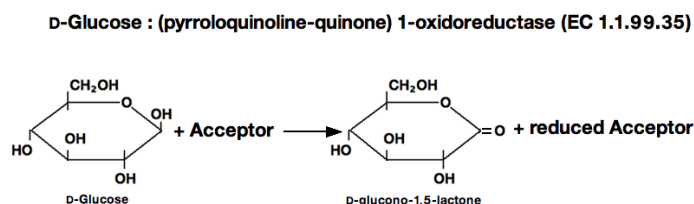
Inhibitors: Cu⁺⁺, Pb⁺⁺, Ag⁺

Optimum pH: 7.0

Optimum temperature: 37°C

pH Stability: pH 3.5-8.5 (25°C, 16hr)

Thermal stability: below 50°C (pH 7.5, 30min)



Applications

This enzyme is useful for enzymatic determination of D-Glucose.

For research use only