

Glucose dehydrogenase (PQQ-dependent) from Microorganism

Product Code: 183403

EC: 1.1.5.2

SKU: 183403

Category: [Enzymes](#)

PRODUCT DESCRIPTION

SPECIFICATIONS

EC 1.1.5.2

Name D-Glucose:(pyrroloquinoline-quinone) 1-oxidoreductase

Appearance Purple amorphous powder lyophilized

Activity Grade III, 500U/mg-solid or more

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

Stabilizers Ca⁺⁺, BSA

Stability Stable at -20°C for at least 12 months

Molecular weight approx. 100,000 (Gel filtration)

Michaelis constants 4.8mM (D-Glucose)

Inhibitors Ag⁺, Cu⁺⁺, Pb⁺⁺

Optimum pH 7.0

Optimum temperature 37 °C

pH Stability pH 3.5 - 8.5 (25°C, 16hr)

Temperature stability Below 50 °C (pH 7.5, 30min)