

Glutaminase (GLN) from Microorganism

Product Information

Cat#	DIA-431
Source	Microorganism
Form	Freeze dried powder
Activity	≥ 4 U/mg
Unit Definition	One unit (U) is defined as the amount of enzyme which produces 1 μmol of NADH per min at 37 °C and pH 6.0 under the conditions described below.
Storage	Below –20 °C
Enzyme Commission Number	EC 3.5.1
pH Stability	5.5–9.0
Michaelis Constant	5.5×10^{-4} M (L-glutamine)
Optimum pH	ca. 7.0
Optimum temperature	ca. 65°C
Thermal stability	Below 50 °C
Contaminants	Catalase ≤ 3.0 U/U%
Applications	For the determination of L-glutamine in clinical analysis.
Appearance	Light gray lyophilizate
Molecular Weight	ca. 58 kDa (Gel filtration)
Notes	Expiration date: Liquid: stable at 37 °C for at least four days Powder: stable at 30 °C for at least two weeks