



Creative Enzymes

Diagnostic Enzymes

Native Uricase (UA-T) from Microorganism

Product Information

Cat#	BDE-018
Specification	2 KU, 10 KU, 100 KU, 500 KU
Description	Uricase (UA-T) features optimized activity and is specifically designed for use in uric acid assay kits, ensuring stable and reliable results.
Applications	Optimized specifically for uric acid assay kits to meet clinical requirements for high stability and high resistance to interference.
Enzyme Commission Number	EC 1.7.3.3
Form	White amorphous lyophilized powder
Source	Microorganism
Activity	≥ 4 U/mg
Unit Definition	One unit is defined as the amount of enzyme required to oxidize 1 μmol of uric acid per minute under specified assay conditions.
Molecular Weight	40 kDa (SDS-PAGE)
Purity	≥ 90%
Optimum pH	8.5
Optimum temperature	37°C
pH Stability	5.5-10.0 (25°C, 16 h)
Thermal Stability	< 60°C (pH 8.5, 30 min)
Isoelectric Point	5.1
Km Value	2.1×10 ⁻⁵ M (Urate)
Inhibitors	Fe ³⁺ , Co ²⁺ , Cu ²⁺ , Mn ²⁺ , Zn ²⁺

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45-1 Ramsey Road, Shirley, NY 11967, USA



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Protectant Borates, EDTA, and nonionic surfactants

Storage Store at -25°C to -15°C for 12 months to maintain at least 80% activity.

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