



Creative Enzymes

Diagnostic Enzymes

Native *Arthrobacter globiformis* Uricase

Product Information

Cat#	NATE-0729
Similar	UO
Source	<i>Arthrobacter globiformis</i>
Description	The enzyme urate oxidase (UO) catalyzes the oxidation of uric acid to 5-hydroxyisourate: $\text{Uric acid} + \text{O}_2 + \text{H}_2\text{O} \rightarrow 5\text{-hydroxyisourate} + \text{H}_2\text{O}_2 \rightarrow \text{allantoin} + \text{CO}_2$.
Form	lyophilized powder
Activity	15-30 units/mg protein (biuret)
CAS No.	9002-12-4
Isoelectric point	4.64
Unit Definition	One unit will convert 1.0 μmole of uric acid to allantoin per min at pH 9.0 at 25°C.
Storage	-20°C
Synonyms	uric acid oxidase; uricase; uricase II; urate oxidase; factor-independent urate hydroxylase; EC 1.7.3.3; 9002-12-4; UO
Enzyme Commission Number	EC 1.7.3.3
Abbr	UO, Native (<i>Arthrobacter globiformis</i>)
Alias	uricase; UO
Molecular Weight	4 × ~32 KDa (tetramer)

Tel: 1-631-562-8517 1-516-512-3133

Email: info@creative-enzymes.com

Fax: 1-631-938-8127

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