



**Creative Enzymes**

*Diagnostic Enzymes*

## Native *Arthrobacter globiformis* Uricase

### Product Information

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

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

Email: [info@creative-enzymes.com](mailto:info@creative-enzymes.com)

Fax: 1-631-938-8127

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