

URICASE

EC Number	1.7.3.3
Alternative Names	Urate oxidase, Urate: oxygen oxidoreductase
Assay Principle	$\text{Uric acid} + \text{H}_2\text{O} + \text{O}_2 \xrightarrow{\text{Uricase}} \text{Unidentified products} + \text{H}_2\text{O}_2$ \downarrow $\text{CO}_2 + \text{Allantoin (racemic mixture)}$ $2 \text{H}_2\text{O}_2 + 4\text{-Aminoantipyrine} + \text{Phenol} \xrightarrow{\text{Peroxidase}} \text{Quinoneimine dye} + 4 \text{H}_2\text{O}$
Unit Definition	That amount of enzyme which produces one micromole of uric acid per minute at 25°C and pH 8.5

How can Uricase be used?

Uricase is a hepatic enzyme which is responsible for converting Uric Acid to allantoin in the liver. It can be used in Biosensor and Clinical Chemistry application for the determination of Uric acid.



Why BBI?

+ Proven performance – our Uricase has been used in multiple biosensor and clinical chemistry applications

Order your evaluation sample today

Product Analysis

Code	U5
Batch	31
Activity	6 U/mg material
Associated Activity	Catalase: <1%

Storage	Store desiccated at -15°C or below.
Stability	Stable for 6 months when stored in accordance with storage conditions.

ORDERING DETAILS - USE THE FOLLOWING CODES WHEN ORDERING

Product	Code	Description	Source	Applications
Uricase	U5	>4 U/mg material	Recombinant Escherichia coli	Biosensor/Clinical Chemistry

Related Products

Product Name	Code	Activity
Glucose Oxidase	GO2BS	> 180 U/mg material
	GO3A	~360 U/mg protein
	G03B2	~360 U/mg protein
	G03B3	~360 U/mg protein
Cholesterol Esterase	CE2	>35 U/mg material
	CE4F	>100 U/mg material
Cholesterol Oxidase	CO5F	>12 U/mg material
Creatinase	CR1F	>9 U/mg material
Creatininase	CNN1	>500 U/mg material
Sarcosine oxidase	S02F	>20 U/mg material
Peroxidase	161451BBI	> 250 Pyrogallol U/mg
	161453BBI	> 100 Pyrogallol U/mg material
	161455BBI	> 60 Pyrogallol U/mg material
	161457BBI	> 200 Pyrogallol U/mg material
	HRP3C	>150 U/mg material
	HRP4	>250 U/mg material
	HRP4B	>250 U/mg material
	HRP4C	>250 U/mg material

Order a sample today sales@bbisolutions.com

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