

Native *Arthrobacter globiformis* Uricase

Cat. No. NATE-0729

Lot. No. (See product label)

Introduction

Description The enzyme urate oxidase (UO) catalyzes the oxidation of uric acid to 5-hydroxyisourate: Uric acid + O₂ + H₂O → 5-hydroxyisourate + H₂O₂ → allantoin + CO₂.

Synonyms uric acid oxidase; uricase; uricase II; urate oxidase; factor-independent urate hydroxylase; EC 1.7.3.3; 9002-12-4; UO

Product Information

Source *Arthrobacter globiformis*

Form lyophilized powder

EC Number EC 1.7.3.3

CAS No. 9002-12-4

Molecular Weight 4 × ~32 KDa (tetramer)

Activity 15-30 units/mg protein (biuret)

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 and Shipping Information

Storage -20°C