

## Native Bovine L-Arginase

Cat. No. NATE-0379

Lot. No. (See product label)

### Introduction

**Description** Arginase (EC 3.5.3.1, arginine amidinase, canavanase, L-arginase, arginine transamidinase) is a manganese-containing enzyme. The reaction catalyzed by this enzyme is: arginine + H<sub>2</sub>O → ornithine + urea. It is the final enzyme of the urea cycle. It is ubiquitous to all domains of life.

**Synonyms** Arginase; arginine amidinase; canavanase; L-arginase; arginine transamidinase; EC 3.5.3.1

### Product Information

**Species** Bovine

**Source** Bovine liver

**Form** powder

**EC Number** EC 3.5.3.1

**CAS No.** 9000-96-8

**Purity** Protein > 70 % by biuret

**Pathway** Amoebiasis, conserved biosystem; Biosynthesis of amino acids, organism-specific biosystem; Metabolism, organism-specific biosystem

**Function** arginase activity; metal ion binding

**Unit Definition** One unit will cause the hydrolysis of 1.0 μmole of L-arginine per minute at pH 9.5 and 37°C.

### Storage and Shipping Information

**Storage** -20°C