

## L-Asparaginase from Guinea pig, Recombinant

Cat. No. NATE-1577

Lot. No. (See product label)

### Introduction

#### Description

Asparaginase (EC 3.5.1.1, USAN) or Colaspase (BAN) is an enzyme that catalyzes the hydrolysis of asparagine to aspartic acid. Asparaginases are enzymes expressed and produced by microorganisms.

#### Synonyms

EC 3.5.1.1; Asparaginase; Colaspase; L-asparaginase; L-asparagine amidohydrolase

### Product Information

#### Species

Guinea pig

#### Source

E. coli

#### Form

25 mM Tris pH7.5, 500 mM NaCl, 2 mM DTT, 1 mM EDTA

#### EC Number

EC 3.5.1.1

#### CAS No.

9015-68-3

#### Molecular Weight

~63 kDa

#### Purity

>99% (SDS-PAGE)

#### Activity

> 1,400 IU/mg

#### Concentration

3mg/mL

#### Unit Definition

One unit of guinea pig L-asparaginase converts 1.0  $\mu$ mole of Asn to Asp per minute at pH 7.5 at 37°C, as measured by a coupled enzyme system with 2 mM Asn as substrate.

### Storage and Shipping Information

#### Storage

at -80°C