

## 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