

## Native Lactobacillus 30a L-Histidine Decarboxylase

Cat. No. NATE-0336

Lot. No. (See product label)

### Introduction

#### Description

Histidine decarboxylase (HDC) is the enzyme that catalyzes the reaction that produces histamine from histidine with the help of vitamin B6 as follows: Conversion of histidine to histamine by histidine decarboxylase. In humans, the histidine decarboxylase enzyme is encoded by the HDC gene.

#### Applications

Major synthetic enzyme for histamine; decarboxylates L-histidine to form histamine

#### Synonyms

Histidine decarboxylase; HDC; 9024-61-7; EC 4.1.1.22; L-histidine decarboxylase; L-histidine carboxy-lyase; L-Histidine Decarboxylase

### Product Information

#### Source

Lactobacillus 30a

#### Form

crude acetone powder

#### EC Number

EC 4.1.1.22

#### CAS No.

9024-61-7

#### Activity

0.25-0.5 unit/mg solid

#### Unit Definition

One unit will release 1.0  $\mu$ mole of CO<sub>2</sub> from L-histidine per min at pH 4.5 at 37°C.

### Storage and Shipping Information

#### Storage

-20°C