

## Native Papaya latex Papain

Cat. No. NATE-0506

Lot. No. (See product label)

### Introduction

#### Description

Papain papaya latex has antifungal activity against *C. albicans*. It is a cysteine protease that cleaves peptide bonds of basic amino acids, leucine, or glycine.

#### Applications

Used to produce Fab fragments of antibodies. Also used for cell dissociation since it has been shown to be more effective and less damaging with certain tissues. Papain from papaya latex, has been used to digest carotid artery smooth muscle cells. Papain is used in dissecting solutions. It is used to produce Fab fragments of antibodies. It is used for cell dissociation since it has been shown to be more effective and less damaging with certain tissues.

#### Synonyms

papayotin; summetrin; velardon; papaine; Papaya peptidase I; papain; EC 3.4.22.2; 9001-73-4

### Product Information

#### Source

Papaya latex

#### Form

lyophilized powder or buffered aqueous suspension, 2× Crystallized

#### EC Number

EC 3.4.22.2

#### CAS No.

9001-73-4

#### Molecular Weight

21 kDa

#### Activity

0.5-2.0 units/mg solid; 1.5-10 units/mg solid; > 10 units/mg protein; 16-40 units/mg protein

#### Optimum pH

6.0-7.0

### Storage and Shipping Information

#### Storage

−20°C