

## 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