

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