

## Esterase Isoenzyme 5 from Porcine liver, Recombinant

Cat. No. NATE-0232

Lot. No. (See product label)

### Introduction

#### Description

An esterase is a hydrolase that splits esters into acids and alcohols

#### Applications

Esterase Isoenzymes may be used to identify the monocytic element in normal and leukemic cells. They may be used for the biochemical characterization of different hematopoietic cell lineages and stages of differentiation when studying leukemias and lymphomas. Esterase Isoenzyme 5 is recombinant and from porcine liver. It is expressed in *E. coli*.

#### Synonyms

EC 3.1.1.1; Esterase Isoenzyme 5; 9016-18-6; carboxylesterase; ali-esterase; B-esterase; monobutyrase; cocaine esterase; procaine esterase; methylbutyrase; vitamin A esterase; butyryl esterase; carboxyesterase; carboxylate esterase; carboxylic esterase; methylbutyrate esterase; triacetin esterase; carboxyl ester hydrolase; butyrate esterase; methylbutyrase;  $\alpha$ -carboxylesterase; propionyl esterase; nonspecific carboxylesterase; esterase D; esterase B; esterase A; serine esterase; carboxylic acid esterase; cocaine esterase

### Product Information

#### Species

Porcine liver

#### Source

*E. coli*

#### EC Number

EC 3.1.1.1

#### CAS No.

9016-18-6

#### Activity

> 0.5 units/mg

#### Unit Definition

1 U corresponds to the amount of enzyme which converts 1  $\mu$ mol 4-nitrophenyl-L-acetate per minute at pH 7.5 and 30°C.

### Usage and Packaging

#### Package

Bottomless glass bottle. Contents are inside inserted fused cone.

### Storage and Shipping Information

#### Storage

-20°C