

Active Native Porcine Esterase

Cat. No. PLE-105P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Porcine esterase was purified from Porcine (Pig) Liver. CAS Number: 9016-18-6; E.C. Number: 3.1.1.1
Species	Pig
Source	Porcine (Pig) Liver
Description	Porcine liver Esterase has been used as a substitute for Leukocyte Esterase. White blood cells in the urine usually indicate a urinary tract infection. The leukocyte esterase (LE) test detects esterase, an enzyme released by white blood cells. Leukocyte esterase is a urine test for the presence of white blood cells and other abnormalities associated with infection. Porcine liver esterase is used to catalyze the hydrolysis of pentaacetyl catechin and epicatechin for use in pharmaceutical and industrial applications and is commonly used for kinetic resolutions and asymmetric synthesis in organic chemistry.
Form	Lyophilized from a solution in 20mM Phosphate, pH 7.5
Bio-activity	Typically >75 U/mg powder @ 37C
Molecular Mass	162000
Unit Definition	One unit will catalyze the hydrolysis of one micromole of ethyl butyrate to butyrate and ethanol per minute at pH 7.4 and 37C

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Storage	Store at -20°C.
Concentration	Typically >0.75 mg protein/mg (Coomassie/OD280)