

PORCINE LIVER ESTERASE

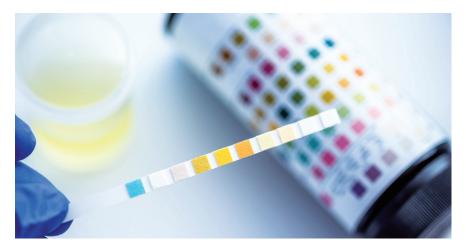
EC Number	3.1.1.1	
Alternative Names	Carboxylesterase	
Assay Principle	Ethyl Butyrate + H ₂ O Esterase Butyric Acid + Ethanol	
Unit Definition	That amount of enzyme with hydrolyses 1.0 μ mole of ethyl butyrate to butyric acid ethanol per minute at 25 ⁰ C and pH 8.0.	

What is Porcine Liver Esterase?

Porcine Liver Esterase (PLE) is used in Urinalysis controls as a partial substitute for Human Leukocyte Esterase.

Leukocyte esterase test is a urine test for the presence of white blood cells and other abnormalities associated with an infection of the urinary tract.

PLE acts on water-soluble carboxyl esters containing short chain fatty acids. PLE has a molecular weight of 168kDa.



Porcine Esterase is used in Urinalysis, Asymmetric Ester Hydrolysis, Research, Life Science and Assay Manufacturing.

Control manufacturers use porcine esterase for the detection of esterase levels in urine to indicate infection. It is also commonly used for kinetic resolutions and asymmetric synthesis in organic chemistry. In addition, in pharmaceutical and industrial applications it is used to catalyse the hydrolysis of pentaacetyl catechin and epicatechin.

Key Benefits

+ COST-EFFECTIVE SOLUTION

PLE can provide a cost-effective alternative to human leucocyte esterase

+ SECURE RAW MATERIAL SOURCE

Our raw materials are obtained from veterinary approved European abattoirs

+ VALIDATED MANUFACTURING PROCESS

Ensuring a high quality product through batch to batch consistency

+ ACCESS TO TECHNICAL SUPPORT

Over 60 years enzyme manufacturing experience

+ BULK QUANTITIES

Manufacturing scale up capabilities in order to meet customer and market demands

Order your evaluation sample today



WHY CHOOSE BBI'S FOR YOUR SUPPLY?

Working with BBI, you can be confident in the safe and secure supply of our raw materials, obtained from veterinary approved European abattoirs.

Our manufacturing processes are validated, so that we can ensure a high quality product through batch to batch consistency. Our facilities provide bulk order manufacturing scale up capabilities in order to meet customer and market demands.

With over 60 years enzyme manufacturing experience our technical support and expertise is unparalleled. We pride ourselves on working closely with customers to ensure they get the most success from our products.

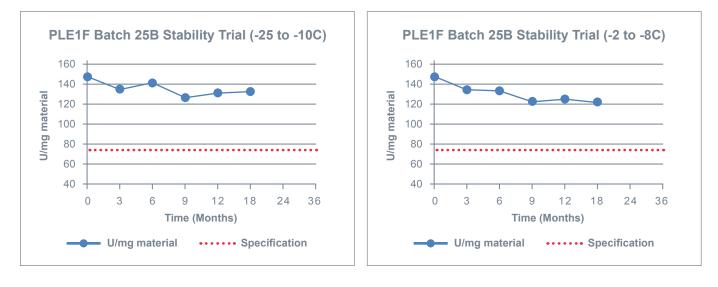
Product Analysis

AN EXAMPLE OF TYPICAL BATCH DATA

Parameter	Specification	Result	
Activity	≥ 75 U/mg material	97.9 U/mg	

Stability Studies

Formal stability studies ongoing. PLE is stable for 18 months from -25°C to 8°C.



ORDERING DETAILS - USE THE FOLLOWING CODES WHEN ORDERING

	Product	Code				
- + + +	Porcine Liver Esterase (PLE)	PLE1F	>75 U/mg material	Porcine Liver	Urine Test Strips	+++
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