Lipoproteine Lipase "Chemically Stabilized"

LPL-322

SPECIFICATIONS

Appearance :	Light brown amorphous powder lyophilized
EC :	3.1.1.34
Origin :	Pseudomonas sp.
Activity :	≥ 30 U/mg-solid
Contaminants :	NADH oxidase ≤ 1.0×10^{-3}%
	Phosphatase ≤ 1.0×10^{-3}%
	Catalase ≤ 2.0×10^{-2}%
	Cholesterol oxidase ≤ 2.0×10^{-3}%
Stabilizers :	Mg^{2+}, bovine serum albumin
Stability :	Store at -20 ℃
Inhibitors :	Hg^{2+}, Cu^{2+}
Optimum pH :	8.0
Optimum temperature :	40 – 45 ℃
pH Stability :	pH 5.5 - 10 (25 ℃, 20hr)
Thermal stability :	below 40 ℃ (pH 7.0, 15min)

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SPECIFICATIONS

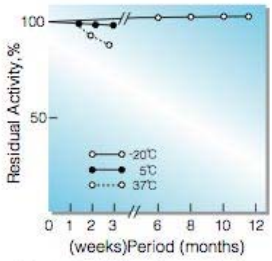

Fig.1. Stability (Powder form)
(kept under dry conditions)

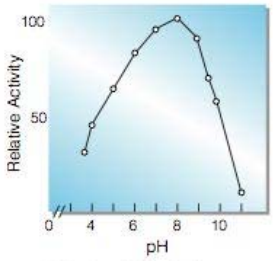

Fig.3. pH-Activity
(37℃,In 0.1M Britton-Robinson buffer)

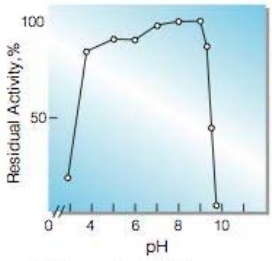

Fig.5. pH-Stability
(25℃,20hr-treatment with 0.1M Britton-Robinson buffer)

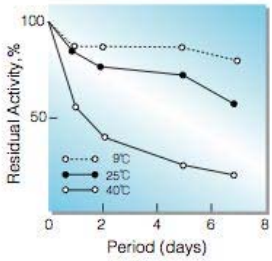

Fig.2. Stability (Liquid form)
(in 20mM K-phosphate buffer,pH7.5 (contg. 2.0mM $MgCl_2$, 0.5mM EDTA.Na_3, 0.005% NaN_3) enzyme concn.:4U/ml)

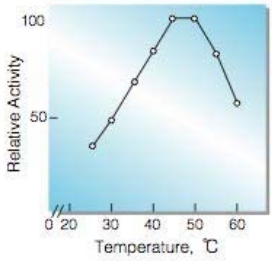

Fig.4. Temperature activity
(in 0.1M K-phosphate buffer, pH7.0)

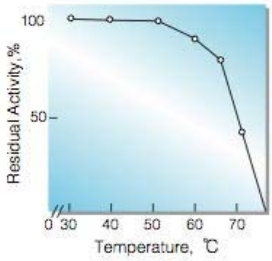

Fig.6. Thermal stability
(10min-treatment with 0.1M K-phosphate buffer, pH7.0)