

DATA SHEET**Tli-Inorganic Pyrophosphatase (PPase)**

Source: Isolated from *E. Coli* strain that carries the cloned Inorganic Pyrophosphatase gene from *Thermococcus litoralis*

Concentration: 1000 units/ml

Description: Enzyme catalyzes the hydrolysis of inorganic pyrophosphatase to form orthophosphatase: $P_2O_7^{-4} + H_2O \rightarrow 2HPO_4^{-2}$. Enzyme is extremely thermostable

Storage buffer: 20 mM Tris-HCL (pH 7.6), 100 mM KCl, 0,1 mM EDTA, 0,2% Tween-20, 50 % glycerol

Storage condition: store at $-20^{\circ}C$

Unit Definition: One unit is the amount of enzyme that will generate 40 nmoles of phosphate per minute from pyrophosphate under standard reaction conditions (50 mM Tris-HCL, pH 8.5; 1 mM $MgCl_2$, 0.32 mM PPI) at $75^{\circ}C$.

Reaction Buffer: (x10) : 500 mM Tris-HCl, (pH8.5), 10 mM $MgCl_2$

Catalog #	Pack size	Price, Euro
404305	100 u	
404325	500 u	

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