

Sucrose Phosphorylase (SPL) from E. coli

Product Information

Cat#	DIA-437
Source	E. coli
Form	Freeze dried powder
Activity	≥ 50 U/mg
Isoelectric point	4.6
Unit Definition	One unit (U) is defined as the amount of enzyme which produces 1 μmol of NADPH per min at 25 °C and pH 6.8 under the conditions described below.
Storage	Below –20 °C
Enzyme Commission Number	EC 2.4.1.7
pH Stability	5.0–8.0
Michaelis Constant	3.9 × 10 ⁻² M (Sucrose) 6.2 × 10 ⁻³ M (Phosphate)
Optimum pH	7.5
Optimum temperature	40 °C
Thermal stability	Below 45 °C
Inhibitors	Glucose, glucono-1,5-lactone
Applications	For the determination of inorganic phosphate in clinical analysis.
Appearance	White lyophilizate
Molecular Weight	ca. 56 kDa (Gel filtration)
Notes	Expiration date: Liquid: stable at 37 °C for at least two weeks



Creative Enzymes

Diagnostic Enzymes

Sucrose Phosphorylase (SPL) from E. coli

Powder: stable at 30 °C for at least two weeks

Tel: 1-631-562-8517 1-516-512-3133

Email: info@creative-enzymes.com

Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA