

Products	Cat #	Pack Size
SynergyT™ DNA Polymerase	GC-049-0250	250 u
SynergyT™ DNA Polymerase	GC-049-0500	500 u
SynergyT™ DNA Polymerase	GC-049-1000	1000 u

DESCRIPTION

SynergyT - Synergy™ mixture with addition of TthPlus DNA polymerase especially suited for **low specificity PCR with degenerated primers**.

APPLICATION

- Low specificity **PCR with degenerated primers**

CONCENTRATION

10 units/μl

UNIT DEFINITION

One unit is defined as the amount of enzyme that incorporates 10 nmoles of dNTPs into acid-insoluble form in 30 minutes at 72°C under the assay conditions (25 mM TAPS (tris-(hydroxymethyl)methyl-amino-propanesulphonic acid, sodium salt) pH 9.3 (at 25°C), 50 mM KCl, 2 mM MgCl₂, 1 mM β-mercaptoethanol) and activated calf thymus DNA as substrate.

10 x REACTION BUFER

160 mM (NH)₄SO₄, 670 mM Tris-HCl pH 9,1; 8% Glycerol, 2% DMSO, 35 mM MgCl₂

Please note the difference between Synergy™ and BioTherm™ reaction buffers!.

STORAGE BUFFER

10 mM K-phosphate buffer pH 7.0, 100 mM NaCl, 0.5 mM EDTA, 1 mM DTT, 0.01% Tween 20, 50% glycerol (v/v)

Comparison of Synergy and SynergyT under special reaction conditions

