

DATA SHEET

OmniBio™ Taq DNA Polymerase

DESCRIPTION

OmniBio™ is a recombinant, affinity - purified thermostable DNA Polymerase. The recombinant of this enzyme is expressed in E.Coli. It has both 5' -> 3' polymerase - and 5' -> 3' exonuclease activities. OmniBio™ can add a single template - directed deoxyadenosin (A) residue to the 3' end of duplex PCR products.

CONCENTRATION

5 units/ µl

PACKAGING

OmniBio™ Taq DNA Polymerase is supplied with 10x reaction buffer including MgCl₂ or with 10x reaction buffer without MgCl₂ plus a separate tube of MgCl₂. Shipped on ice.

REACTION BUFFER (5X)

160 mM (NH₄)₂ SO₄, 670 mM Tris-HCL at PH 8.8 (at 25°C), 15 mM MgCl₂, 0,1% Tween 20

STORAGE BUFFER

10 mM K-phosphate buffer pH 7.0, 100 mM NaCl, 0.5 mM EDTA, 1 mM DTT, 0.1% Tween 20, 50% glycerol (v/v).

STORAGE

- 20 °C

SHELF LIFE

2 years from the date of receipt under proper storage conditions

FOR RESEARCH USE ONLY.