



EUB Polymerase

DNA free

Features

Description

EUB Polymerase is a thermostable DNA polymerase. It has a half-life of 3 hours at 96 °C. *EUB* DNA Polymerase possesses a strong 5'→3' DNA polymerase activity but no 5'→3' exonuclease activity. EUB Polymerase lacks the 3'→5' proofreading activity, which makes it easy to use. EUB Polymerase is purified free of contaminating endo- and exonucleases. This enzyme is optimal for use with Onar®*EUB*.

The *Taq*'s activity is blocked at ambient temperature, e.g. while preparing your sample. The inhibition of the *Taq* polymerase is completely reversed when the temperature is above 70 °C. Complete activation of the polymerase is achieved at 94 °C for 2 min.

EUB Polymerase is supplied with a 10x buffer for maximal yield and sensitivity which should fit most standard applications.

Recommended Use / Scope

Routine and multiplex PCR; real-time PCR; use with Onar®*EUB*

Kit Components

EUB Polymerase, supplied at 100 units/ml, 2 units/μl in 20 mM Tris-HCl (pH 7.4 at 25 °C); 100 mM KCl; 0.1 mM EDTA; 1 mM DTT; 0.5 % Tween®20; 0.5 % Nonidet P 40; 200 μg/ml BSA, and 50 % (v/v) glycerol.

If the polymerase is used in combination with Onar®*EUB* the buffer provided with the polymerase is not required.

Package Sizes

Cat.-No. 54-0100 100 Units

Cat.-No. 54-0500 500 Units

Shelf Life and Storage

Components must be stored at -18 °C. Shipment on cool packs. The product is stable for at least 6 months.