



The ENZYME Company

Taq-red DNA polymerase

Description *Taq-red* DNA Polymerase is Taq DNA polymerase with chemically attached chromogenic molecule. The enzyme is stained in red. The stain facilitates the visual control of mixing the enzyme with other components. The stain doesn't influence the enzyme activity and other general characteristics.

Concentration 5000 units/ml

Storage buffer 10 mM K-phosphate, pH7.4, 0.1 mM EDTA, 50% glycerol, 0.1% Triton X-100, 0.1% Tween 20.

Unit definition One unit of activity is the amount of enzyme required to incorporate 10 nmoles of dNTP into acid-insoluble DNA fraction in 30 minutes at 72°C.

Reaction buffer (x10) incomplete:

160 mM (NH₄)₂SO₄, 670mM TrisHCl pH8,8, 0,1% Tween-20

Reaction buffer (x10) complete:

160 mM (NH₄)₂SO₄, 670mM TrisHCl pH8,8, 0,1% Tween-20, 25mM MgCl₂

Reaction buffer (x10) complete II KCl:

500 mM KCl, 100 TrisHCl pH8,8, 0,1% Tween-20, 15mM MgCl₂

plus one tube MgCl₂ (100mM)

Storage conditions Recommended storage temperature is -20°C.

Catalog #	Pack size
117002	200 u
117010	1000 u

VersionER 19.10.07

Bioron

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