SPEZIFIKATION
SPECIFICATION

SERVA Electrophoresis

T7 RNA Polymerase **Cat.No. : 39721**

Parameter	Specification
Molecular weight	98 000
Appearance	clear colorless solution
Concentration	10 U/µl
Absence of Nuclease Activity	40 units of T7 RNA Polymerase when incubated for 16 h with 1 µg of λ DNA digest at 37 °C showed sharp unaltered pattern on 1 % agarose gel.
Absence of Nickase Activity	40 units of T7 RNA Polymerase when incubated for 4 h with 1 µg of supercoiled plasmid DNA at 37 °C showed unaltered pattern without nicking on 1 % agarose gel.
Absence of Ribonuclease	40 units of T7 RNA Polymerase when incubated for 4 h with 1 µg *E.coli* RNA at 37 °C showed no degradation of RNA as visualized on agarose gel.
Performance Test	Enzyme tested for its performance in *in-vitro* transcription assays.
Storage (°C)	-15 to -25

SERVA Electrophoresis GmbH

Unit definition

1 Unit of enzyme is defined as amount of enzyme required to incorporate 1 nmol of ATP into an acid insoluble form in 1 h at 37 °C.

Die Eignung des Produktes für spezielle Anwendungszwecke wird nicht zugesichert.
We do not guarantee that the product can be used for a special application.

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