



## **Product Information** **SP6 RNA Polymerase (5000U)**

### ***Product Information for 9K-005-0003:***

#### **Description**

SP6 RNA Polymerase is purified from *E. coli* strains carrying the plasmids encoding respective polymerase. This catalyzes the synthesis of RNA from ribonucleoside triphosphates using DNA templates.

#### **Kit Contents**

Components  
SP6 RNA Polymerase (50U/ul)  
10 X SP6 RNA Polymerase Buffer

#### **Storage**

Store at -20°C.

#### **Application**

- In vitro RNA synthesis
- RNA probe synthesis
- Generation of RNA template for in vitro translation
- RNAi (RNA interference) study

#### **Protocols**

Reaction mixture

10X SP6 RNA Polymerase buffer	2 µl
ATP, CTP, GTP & UTP (each 0.5mM)	1 µl
RNase inhibitor	10 unit
Template DNA	50 – 500ng
<u>SP6 RNA Polymerase</u>	<u>10 – 50u</u>
dH <sub>2</sub> O	up to final 20 µl

Incubation at 40°C for 30-60 min.