

INSTRUCTIONS FOR USE

Product Name: SP6 RNA Polymerase

Catalog # SR01-E21B

Additional Materials:

- NTP Solution Set (100 mM) (Cat. # NT01-M29A)
- RNase Inhibitor such as:
 - Murine RNase Inhibitor (Cat. # RNI03-X25A)
 - Murine RNase Inhibitor, GMP-Grade (40 U/μL) (Cat. # RNI02-X55A)
 - Murine RNase Inhibitor (200 U/μL), Glycerol-Free (Cat. # RNI05-X25A)
 - Murine RNase Inhibitor (40 U/μL), Glycerol-Free (Cat. # RNI04-X25A)

1. Thaw the reagents in Table 1 on ice.
2. Once thawed, mix and briefly spin down.

Table 1. Reagents for SP6 RNA Polymerase Amplification

Reagent	Amount
10X SP6 Reaction Buffer	5 μL
NTP Mixture (25 mM each)	1 μL
Linear DNA Template containing SP6 promoter sequence	0.1 – 1 μL
RNase Inhibitor (40 U/μL)	0.3 μL
SP6 RNA Polymerase (20 U/μL)	2 μL
DEPC H ₂ O	Up to 50 μL

3. Gently mix the reagents together according to Table 1.
4. Briefly spin down and incubate at 37 °C for 1-2 hours.
5. Terminate the reaction by adding 5 μL of 0.5 M EDTA (pH 8.0) or by storing at -20 °C.