

# Get the Highest Possible Yield of Full Length RNA with AmpliScribe™

## T7, SP6 & T3 HIGH YIELD TRANSCRIPTION KITS

EPICENTRE's AmpliScribe™ T7, SP6 and T3 High Yield Transcription Kits are specially formulated to utilize high concentrations of NTPs that are inhibitory to other kits and "homemade" *in vitro* transcription systems. The result is the highest yield of RNA from an *in vitro* transcription reaction.

### Make the Most Long RNA

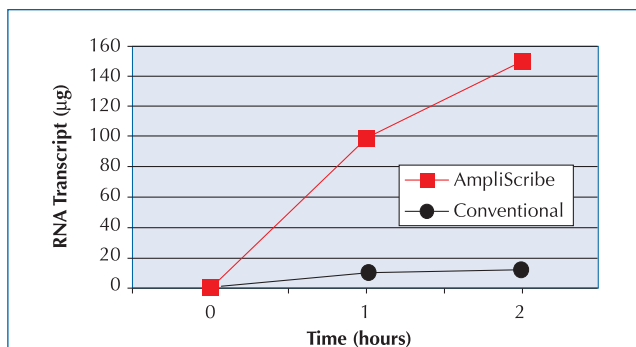
An AmpliScribe™ T7 reaction can generate up to 150 µg of >1 Kb RNA transcript per µg of DNA in a standard 20 µl reaction (Figure 1). AmpliScribe High Yield Transcription Kits incorporate up to 95% of the input NTPs into RNA product and will produce up to 30 times more RNA than conventional *in vitro* transcription systems.

### Make the Most Short RNA

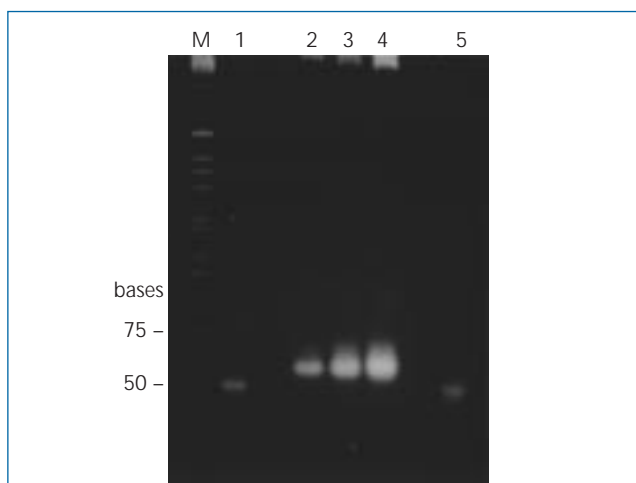
Synthesize the highest yields of short (<100 nt) RNA (Figure 2) such as functional ribozymes. Generate up to mg amounts of short RNA from a 100 µl reaction.

### Make the Most of Our Special Offer

Find out for yourself why EPICENTRE's AmpliScribe™ High Yield Transcription Kits are the best value for *in vitro* transcription. Until 4/28/00, take **15% off** the highest yielding transcription kits available.



**Figure 1. RNA yield with the AmpliScribe T7 Kit compared to a conventional transcription system.** 1 µg of a linearized Control Template DNA was transcribed for 2 hours using the protocol provided with the kit. The resultant transcript was 1.4 kb in length.



**Figure 2. Synthesis of a 53-base CAT ribozyme using an AmpliScribe T7 Kit.** Transcription was performed as described in the AmpliScribe T7 Transcription Kit protocol, except that 5X standard reaction volume was used (100 µl). The template was linearized pGEMCAT2 (5 µg). Aliquots of the transcription mixture were separated on a 3% MetaPhor™ agarose gel. Lane M, DNA standards; Lanes 1 and 5, 50-nt DNA oligo; Lanes 2-4, 1 µl, 2 µl, and 4 µl of transcription mixture. The gel was stained with ethidium bromide.

#### AmpliScribe™ High Yield Transcription Kits

##### AmpliScribe™ T7 High Yield Transcription Kit

AS2607-F71	25 Reactions
AS3107-F71	50 Reactions

##### AmpliScribe™ T3 High Yield Transcription Kit

AS2603-F71	25 Reactions
AS3103-F71	50 Reactions

##### AmpliScribe™ SP6 High Yield Transcription Kit

AS2606-F71	25 Reactions
AS3106-F71	50 Reactions

Each kit includes RNA Polymerase (with added RNase inhibitor), 10X Reaction Buffer, 100 mM each NTP, RNase-free DNase I, DTT, and Control DNA template.

**ALSO AVAILABLE:** High concentration RNA Polymerases for *in vitro* transcription.

T7 RNA Polymerase	TH925K-F71	1000 U/µl	25,000 U	SP6 RNA Polymerase	SH910K-F71	1000 U/µl	10,000 U
	TH950K-F71	1000 U/µl	50,000 U		SU925K-F71	2500 U/µl	25,000 U
	TU950K-F71	2500 U/µl	50,000 U		T3 RNA Polymerase	TU050K-F71	2500 U/µl

All of our AmpliScribe Kits and RNA Polymerases are also available in bulk quantity.