

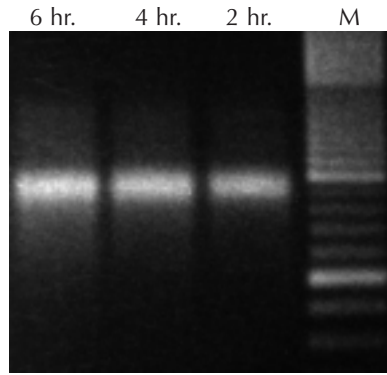
AmpliScribe T7 Kit after 2, 4 and 6 hour reactions. All time points yielded high quality, full-length RNA.

### Summary

The AmpliScribe T7 High Yield Transcription Kit consistently produces the highest RNA yields of any *in vitro* transcription system available using a broad range of DNA templates.

### References

- Melton, D. *et al.* (1984) Nucl. Acids Res. **12**, 7035.



**Figure 4.** RNA with excellent integrity is produced with the AmpliScribe™ T7 High Yield Transcription Kit. Agarose gel electrophoresis of the 1.4 Kb transcript produced from 2, 4, and 6 hour transcription reactions with the AmpliScribe T7 Kit. M, DNA ladder.

#### AmpliScribe™ T7 High Yield Transcription Kit

AS2607	25 Reactions
AS3107	50 Reactions

#### AmpliScribe™ T3 High Yield Transcription Kit

AS2603	25 Reactions
AS3103	50 Reactions

#### AmpliScribe™ SP6 High Yield Transcription Kit

AS2606	25 Reactions
AS3106	50 Reactions

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

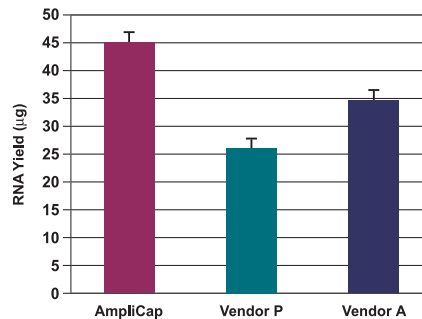
Quantity discount on AmpliScribe Kits is available. Please inquire.

## Highest Yield of 5'-Capped RNA from an *In Vitro* Transcription Reaction with AmpliCap™ High Yield Message Maker Kits

EPICENTRE's AmpliCap™ T7, T3 and SP6 High Yield Message Maker Kits are specially formulated to produce the highest yield of 5'-capped RNA from an *in vitro* transcription reaction. A Cap/NTP PreMix containing optimal concentrations of m<sup>7</sup>G[5']ppp[5']G Cap analog and NTPs, is provided to maximize capping efficiency and RNA yield.

The new AmpliCap™ T7, SP6 and T3 High Yield Message Maker Kits feature:

- Capped RNA yields of up to 45 µg from the T7 and T3 kits and up to 35 µg using the SP6 kit.
- Up to 80% of the RNA is capped using all three kits.
- An optimized m<sup>7</sup>G[5']ppp[5']G Cap/NTP PreMix solution is provided for ease of use and highest yields of capped RNA transcripts.
- A separate vial of GTP for efficient production of long, 5'-capped RNA.



**Figure.** AmpliCap™ T7 High Yield Message Maker Kit consistently produces the highest yield of 5'-capped RNA transcript. A standard 20 µl reaction produces more 5'-capped transcript than the competitor's kits.

#### AmpliCap™ High Yield Message Maker Kits

T7	
AC0707	25 Reactions
T3	
AC0703	25 Reactions
SP6	
AC0706	25 Reactions

Each kit contains the respective RNA Polymerase (including RNase inhibitor), Cap/NTP PreMix, 20 mM GTP 10X AmpliCap™ Transcription Buffer, 100 mM DTT, RNase-free DNase I, Control template DNA, RNase-free water