



AmpliScribe™ T7-Flash™ Transcription

Quickest and Highest Yields of T7 RNA Polymerase Transcribed RNA

- **Fast:** Produce maximal RNA yields in only 30 minutes
- **High Yield:** Produce $\leq 180 \mu\text{g}$ of RNA from $1 \mu\text{g}$ of template DNA
- **Flexible:** Accepts a variety of template DNAs with T7 promoters including linearized vectors, PCR products, cDNA, and dsDNA oligos
- **Scaleable:** Reactions can be scaled up to quickly produce milligram - gram amounts of RNA
- **Multi-application compatible:** Make long (up to 9 kb) or short (>25 bases) RNA transcripts suitable for a variety of applications including: CRISPR (gRNA), in vitro translation, RNAi (shRNA, dsRNA), RNase protection, structural studies, anti-sense experiments, and hybridization-based detection (RNA probes)

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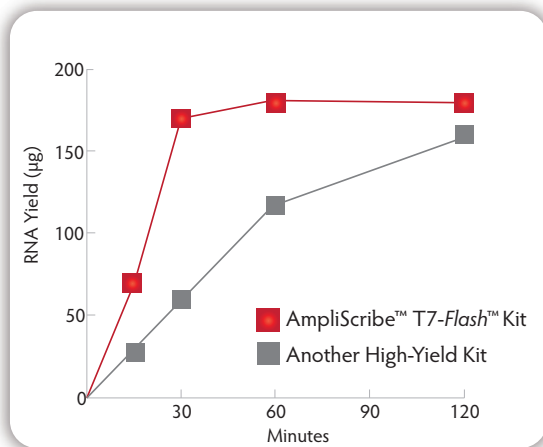


Figure 1: Faster and higher yields of RNA than competitor "high yield" kits. Yields shown were for a 1.4 kb RNA transcript obtained using $1 \mu\text{g}$ of a linear DNA template in a $20\text{-}\mu\text{l}$ reaction, according to manufacturers' recommended protocols.

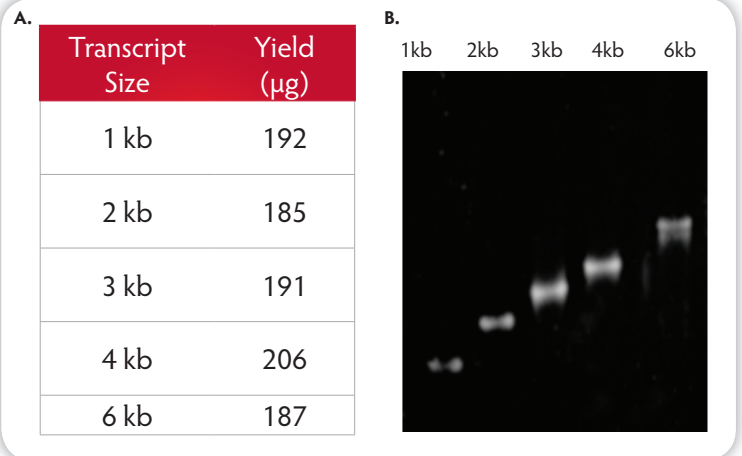


Figure 2: High yields of short and long RNA transcripts. Transcripts were produced using the AmpliScribe™ T7-Flash™ Transcript Kit using $1 \mu\text{g}$ of a linear DNA templates with different insert sizes in 30 minute reactions. Quantitated yields (A) and gel images (B) of the in vitro transcripts are shown.

Products	Size	Biozm Nr.	Cat. No.
AmpliScribe™ T7-Flash™ Transcription Kit	25 rxns	150407	ASF3257
	50 rxns	150408	ASF3507

ORDER INFORMATION

AmpliScribe™ T7-Flash™ Enzyme Solution, AmpliScribe™ T7-Flash™ 10X Reaction Buffer, ATP, CTP, GTP and UTP Solutions, RNase-Free Water, RNase-Free DNase I, DTT, Control DNA Template (linearized), RiboGuard™ RNase Inhibitor.

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