



PRIMA CAP AG



FOR AG-CAPPED WORKFLOWS

Prima RNApols® Cap AG is designed for AG-capped RNA workflows where teams can optimize template design for premium performance. It supports up to 3x higher translatability, >97% AG capping with reduced cap analog input, >100x dsRNA reduction while maintaining robust performance across template and UTR designs.

KEY BENEFITS

3x

Translatability

Generate highly translatable RNA that supports up to 3x higher protein expression.

SUPPORTS

>97%

AG Capping with Lower Cap Input

Achieve high efficiency capping with less cap analog, helping reduce one of the highest cost IVT reagent inputs.

>100x

Ultra-low dsRNA

Reduce dsRNA by >100x and minimize unwanted IVT byproducts to lower purification burden and support cleaner RNA.

KIT CONTAINS

20,000 U
RNA Polymerase
(100 µL)

2 kb Linearized
DNA Template
(25 µL)

5x Reaction Buffer
(100 µL)
4 vials

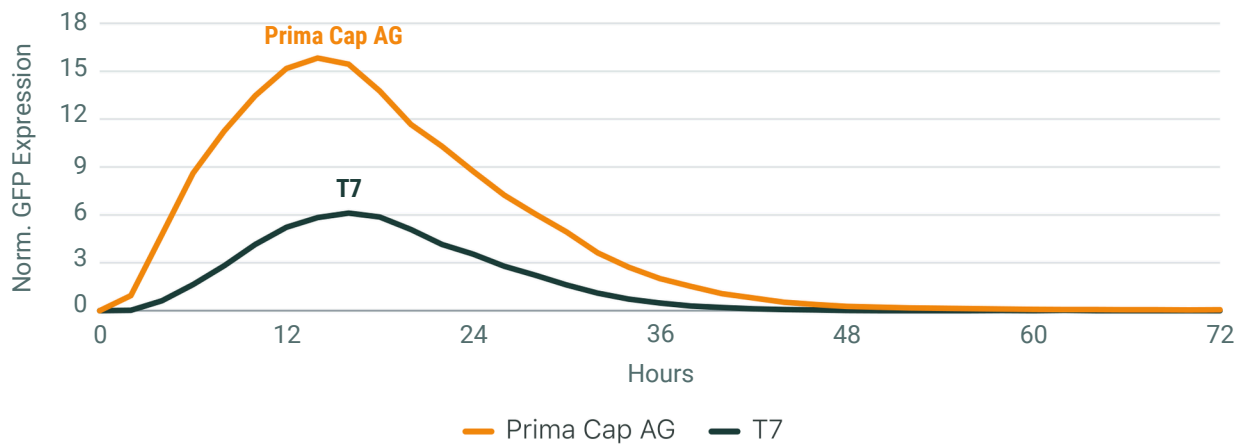


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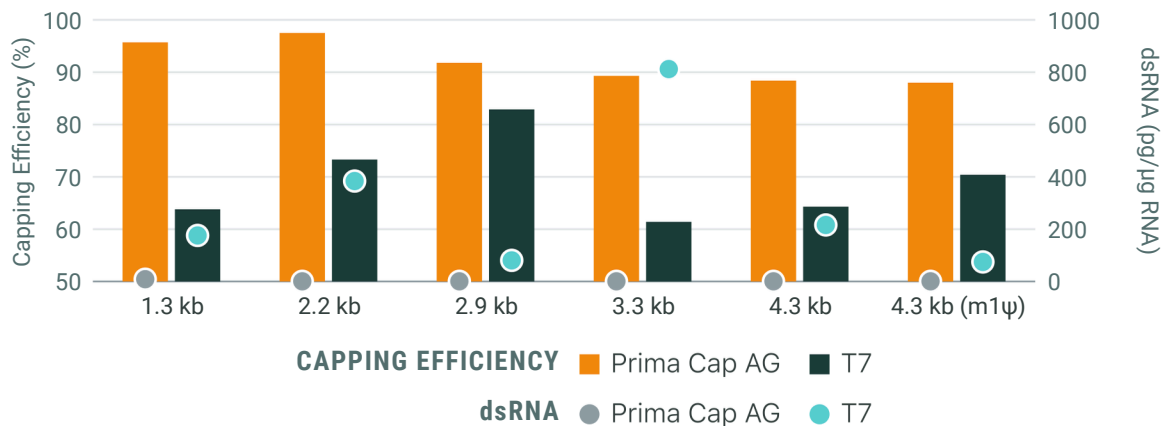
HIGHER CAPPING. ULTRA-LOW DSRNA. STRONGER TRANSLATABILITY.

TRANSLATION EFFICIENCY

3X HIGHER PROTEIN EXPRESSION



CAPPING EFFICIENCY & dsRNA



Translatability of 1.3 kb GFP template measured by fluorescence; the same amount of RNA generated by either polymerase was transfected. Capping efficiency determined by LC-MS; dsRNA determined by dot-blot; Similar IVT conditions used for each IVT including 2 mM AG cap and 9 mM NTPs.

TRANSFORM YOUR RNA PIPELINE TODAY

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