PRIMA RNAPOLS® · CAP AU KIT · RNA POLYMERASE KIT

Prima RNApols®

primrose bio®

PRIMA CAP AU

FOR AU-CAPPED RNA AND saRNA WORKFLOWS

Prima RNApols® Cap AU is designed for AU-capped and self-amplifying RNA workflows where capping efficiency, yield, dsRNA reduction, and RNA integrity shape IVT performance. It supports cleaner IVT output and more efficient RNA synthesis with lower cap analog, DNA template, and enzyme requirements.

KEY FEATURES & BENEFITS

>97%

AU Capping with Reduced Cap Analog Input

Achieve >97% co-transcriptional capping at lower cap analog input, helping reduce reagent requirements in AU-capped IVT workflows.

VS. T7

+30%

High-Yield with Less DNA Template & Enzyme Inputs

Generate high yields of AU-capped RNA and saRNA with less DNA template and enzyme input while maintaining RNA integrity.

UP TO

100x

Ultra-low dsRNA Reduction + Higher Purity

Reduce dsRNA by up to 100x and minimize unwanted IVT byproducts, supporting higher-purity RNA for vaccine, therapeutic, and platform-development applications.

KIT CONTAINS

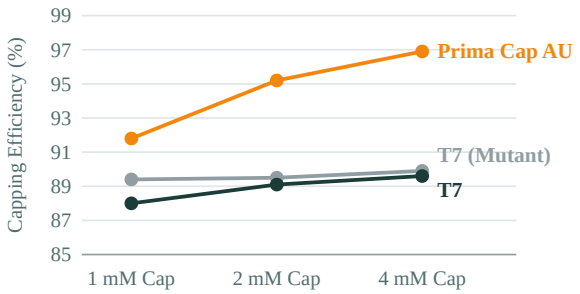
- 20,000 U RNA Polymerase (100 µL)
- 9.5 kb Linearized saRNA Template (25 µL)
- 5x Reaction Buffer (100 µL), 4 vials

$349

HIGHER EFFICIENCY.
LOWER INPUTS.
SAME TOP PERFORMANCE.

Prima RNApols® by primrose bio

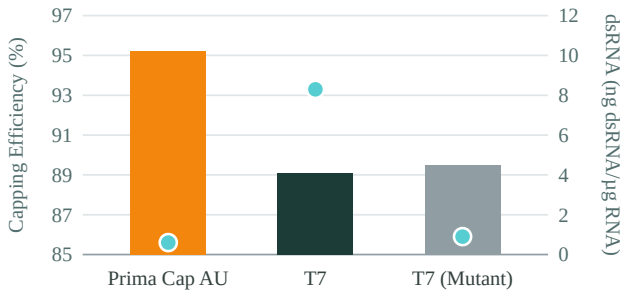
CAPPING EFFICIENCY



Prima Cap AU T7 T7 (Mutant)

Capping efficiency on 9.5 kb saRNA determined by LC-MS; 4nM DNA template, 9 mM NTPs, 5 U polymerase/µL IVT

CAPPING EFFICIENCY & dsRNA



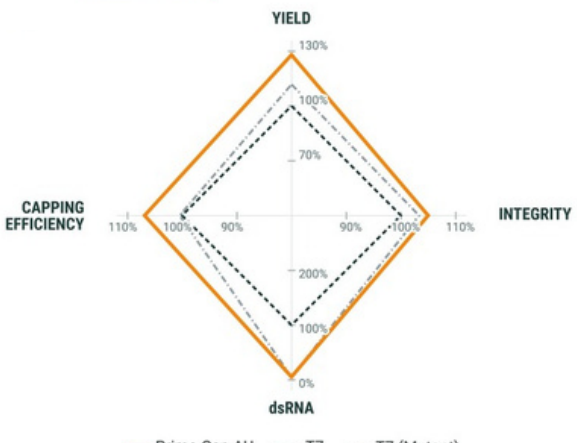
CAPPING EFFICIENCY Prima Cap AU T7 T7 (Mutant)

dsRNA All enzymes (right axis)

Capping efficiency on 9.5 kb saRNA determined by LC-MS; dsRNA determined by J2 ELISA; 4nM DNA template, 9 mM NTPs, 5 U polymerase/µL IVT, 2 mM cap analog

YIELD, INTEGRITY, CAPPING & dsRNA

ALL VALUES AS % OF T7



Prima Cap AU T7 T7 (Mutant)

Do more with less. Unmatched capping efficiency. No trade-offs.

Yield was determined using A260 on 9.5 kb saRNA; Integrity was determined using Agilent Fragment Analyzer; Capping efficiency determined by LC-MS; dsRNA determined by J2 ELISA; 4nM DNA template, 9 mM NTPs, 5 U polymerase/µL IVT, 2 mM cap analog

TRANSFORM YOUR RNA PIPELINE TODAY

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