

CERTIFICATE OF ANALYSIS

Product Name: **Prima RNAPols™ ExTend Cap AU Kit**
 Part Number: **PBKREC-0.1**
 Manufacturing Date: **OCT 2025**
 Storage Conditions: **-20°C**

Prima RNAPols™ ExTend Cap AU Kit Components

Description	Part Number	Lot Number	Quantity
9.5 kb saRNA Template	PBST-0.025	ST25001RW	25 µL
Prima RNAPols™ ExTend Cap AU RNA Polymerase	PBREC-0.1	REC25001RP	100 µL
5x IVT Reaction Buffer	PBB1-0.1	B126001	4 x 100 µL

QUALITY ANALYSIS

Individual test parameters are evaluated for relevant kit components.

Test Parameter	Analysis Method	Release Criteria	Result
Functional Testing	Test sample evaluated via <i>in-vitro</i> transcription reaction.	Meets designated specification	Conforms
Unspecific Nuclease Activity	Test sample incubated with DNA and analyzed via agarose-gel electrophoresis.	Meets designated specification	Conforms
Exonuclease Activity	Test sample incubated with DNA probe followed by analysis via fluorescent readout.	Meets designated specification	Conforms
Nicking Activity	Test sample incubated with DNA probe followed by analysis via agarose-gel electrophoresis.	Meets designated specification	Conforms
RNase Activity	Test sample incubated with RNA and analyzed via capillary gel electrophoresis.	Meets designated specification	Conforms
Protease Activity	Test sample incubated with substrate followed by analysis via fluorescent readout.	Meets designated specification	Conforms
pH	Test sample measured using a pH meter.	Meets designated specification	Conforms