

CERTIFICATE OF ANALYSIS

Product Name: **Prima RNAPols™ ExTend Kit**
Part Number: **PBLTK**
Date of Manufacture: **MAR 2025**
Storage Conditions: **-20°C**

Prima RNAPols™ ExTend Kit Components

Description	Part Number	Lot Number	Quantity
2 kb Linearized DNA template	PBLT2-0.025	LT225001	25 µL
Prima RNAPols™ ExTend RNA Polymerase	PBRD3-0.1	RD325002	100 µL
5X IVT Reaction Buffer	PBB-0.1	B25001	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