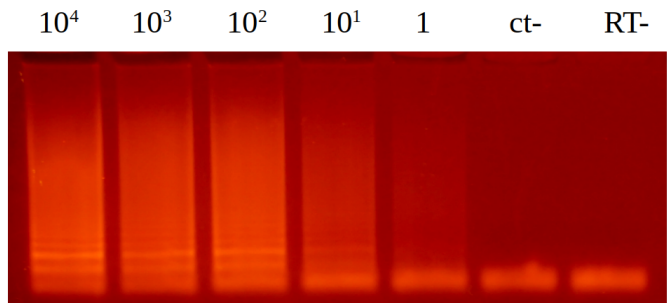


Catalog #	1972
Synonyms	MMLV-RT, Thermostable RT H-
Type	Recombinant
Source	E. coli
Species	MMLV
Tag	His6
Form	Liquid
Purity	>95% by SDS PAGE
Shipping	Ice pack



RT-LAMP assay detecting SARS-CoV-2 virus.
Serial dilution of viral isolate (copy numbers).

Introduction

Moloney Murine Leukemia Virus encoded sequence of reverse transcriptase was in silico optimized and produced in E.coli strain.

Description

Highly active recombinant enzyme with an increase thermal stability. RNase H-minus fragment of reverse transcriptase suitable for all molecular techniques requiring reliable reverse transcriptase activity, such as RT-PCR and RT-LAMP assays. An increased thermal stability of this particular enzyme allow coupled reverse transcription at elevated temperatures up to 60C, which results in an increased sensitivity and specificity of various detection techniques.

Application

RT-LAMP, RT-PCR, RT-qPCR

Purification method

Affinity chromatography. The enzymes supplied by Protean Ltd. are manufactured in certified environment under ISO 9001 and ISO 13485 international standards, which fully qualifies them for a use in downstream GMP certified processes.

Formulation

Storage buffer: 10mM Tris (pH 7,5), 50mM KCl, 1mM DTT, 0,1mM EDTA, 0,1% Triton, 50% glycerol. 10x Reaction Buffer: Proprietary optimized buffer.

Specificity

RNA

Storage

Store at -20C

For research use only. Not for use in diagnostic procedures.