

RIBOPROTECT Hu RNase Inhibitor Lyo-ready

version: 1.2020

Cat. No.: RT35L

Product name	<i>RIBOPROTECT Hu</i> RNase Inhibitor Lyo-ready
Catalog numbers	RT35L
Concentration	40 U/ μ l
Unit definition	One unit is defined as the amount of <i>RIBOPROTECT Hu</i> RNase Inhibitor required to inhibit the activity of 5 ng of ribonuclease A by 50%.
Components	<i>RIBOPROTECT Hu</i> RNase Inhibitor Lyo-ready
Batch number	QCEXXXXXX
Expiry date	XX.XXXX
Storage conditions	2-8°C (up to 3 freeze/thaw cycles is acceptable)
Storage buffer	20 mM HEPES-KOH; 50 mM KCl; 8 mM reducing agent; pH 7.6
Shipping conditions	Blue ice
Specification version	PS-RT35L-1.2020

The product was made in Poland

Quality Control

Parameter	Specification	Analysis
Activity	40 U/ μ l	PASS
Protein Purity Assay ¹	> 90%	PASS
RNase Contamination ²	PASS	PASS
Latent RNase Contamination ³	PASS	PASS
Endonuclease Contamination ⁴	PASS	PASS
Endonuclease Contamination ⁵	PASS	PASS

1. The purity is >90% as evaluated by SDS-PAGE electrophoresis.
2. RNase activity is judged by incubation of 1 μ g of RNA with minimum of 200 U of **RIBOPROTECT Hu** RNase Inhibitor Lyo-ready for 1 hour at 37°C. Results are visualized on an ethidium bromide-stained agarose gel.
3. Latent RNase activity is judged by incubation of 1 μ g of RNA with minimum of 200 U of heat-inactivated **RIBOPROTECT Hu** RNase Inhibitor Lyo-ready for 1 hour at 37°C. Results are visualized on an ethidium bromide-stained agarose gel.
4. Endonuclease activity is judged by incubation of 1 μ g of supercoiled plasmid DNA with minimum of 200 U of **RIBOPROTECT Hu** RNase Inhibitor Lyo-ready for 2 hours at 37°C. Results are visualized on an ethidium bromide-stained agarose gel.
5. Exonuclease activity is judged by incubation of 1 μ g of digested plasmid DNA with minimum of 200 U of **RIBOPROTECT Hu** RNase Inhibitor Lyo-ready for 2 hours at 37°C. Results are visualized on an ethidium bromide-stained agarose gel.

This product has been tested and shown to be in compliance with all specifications.

Name Surname **Justyna Leibner-Ciszak**

Date **XX.XX.2020**

PRODUCTION

Name Surname **Monika Pokorska**

Date **XX.XX.2020**

QUALITY CONTROL

This document was generated electronically and is therefore valid without signature.

PRODUCT USE LIMITATION

This product of Blirt S.A. has been developed for research purposes only and it is not suitable for human and animal therapeutic or diagnostic use.

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