

## CERTIFICATE OF ANALYSIS

<b>Product</b>	<b>Proteinase K – Solution, Molecular Biology Grade</b>
<b>Cat. no.</b>	RP107B
<b>Batch no.</b>	<b>NBE795775-F1</b>
<b>Country of origin</b>	Poland, manufactured in compliance with our ISO 9001:2015 certified quality management system.
<b>Long-term storage</b>	-20°C
<b>Description</b>	Proteinase K from <i>Parengyodontium album</i> ( <i>Tritirachium album</i> ) is a subtilisin-related serine protease. It is a broad spectrum endopeptidase with very high specific activity. It is widely used for digestion of proteins, including DNases and RNases, during nucleic acid preparations without compromising integrity of isolated DNA or RNA. Proteinase K is active under wide range of reaction conditions, including elevated temperatures and presence of SDS. This recombinant enzyme is expressed in <i>Pichia pastoris</i> , and undergoes extensive purification to yield the highest quality product.

## QUALITY CONTROL

Parameter	Result
<b>As per Product Description RP107B, version 02.2018</b>	
Appearance	Clear, colorless liquid – <b>passed</b>
Specific activity	≥ 800 U/ml – <b>passed</b>
DNA content	≤ 0.25 pg/U – <b>passed</b>
Bioburden	≤ 1 CFU/ml – <b>passed</b>
Exonucleases	not detectable – <b>passed</b>
Endonucleases	not detectable – <b>passed</b>
Ribonucleases	not detectable – <b>passed</b>

**Expiration: 2 years from the release date**, when properly stored in unopened container.

**Released by:** Marta Sadowska, Quality Control Specialist

**Release date:** 13.03.2020

**Expiration date:** 03.2022

### LIMITATION OF USE

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

### WARRANTY

Blirt S.A. guarantees that the product, until its expiration date, conforms to all specifications described in Certificate of Analysis, provided the product is properly stored in its original container. If the product fails to meet these specifications prior to the expiration date, Blirt S.A. will replace it, free of charge. Blirt S.A. provides no other, additional warranties, including any other direct or indirect guarantees, regarding suitability, activity, the purpose of use, merchantability, or any other factors in relation its product.

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