

# RNase A

## CERTIFICATE OF ANALYSIS

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#RP14, RP145	RNase A
Batch Number:	666572
Expiry Date:	10.2018
Store at:	-20°C
Shipping conditions:	Ambient temperature
Specification:	RNase A specifically cleaves at the 3'-side of pyrimidine (uracil or cytosine) phosphate bonds. Ribonucleases do not hydrolyze DNA, because the DNA lacks 2'-OH groups essential for the formation of cyclic intermediates. The enzyme is active under a wide range of reaction conditions. At low salt concentrations (0 to 100 mM NaCl), RNase A cleaves single-stranded and double-stranded RNA as well the RNA strand in RNA-DNA hybrids. However, at NaCl concentrations of 0.3 M or higher, RNase A specifically cleaves single-stranded RNA. RNase is supplied as a lyophilized powder.

## QUALITY CONTROL

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Parameter	Analysis
Appearance	<b>White lyophilizate</b>
Activity	<b>107 U/mg (Kunitz)</b>
DNase contamination	<b>Not detectable</b>
Protease contamination	<b>Not detectable</b>

Quality authorized by: Justyna Leibner-Ciszak Date: 11.10.2017

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

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