

# RNase A

## CERTIFICATE OF ANALYSIS

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#RP14, RP145	RNase A
Batch Number:	755873
Expiry Date:	02.2019
Store at:	-20°C
Shipping conditions:	Ambient temperature
Specification:	<p>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.</p>

## QUALITY CONTROL

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Parameter	Analysis
Appearance	White lyophilizate
Activity	104 U/mg (Kunitz)
DNase contamination	Not detectable
Protease contamination	Not detectable

Quality authorized by: Justyna Leibner-Ciszak Date: 20.03.2018

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