

DNaseMe

dsDNase

Cat. No. EN33
CoA Version: 1.2019

CERTIFICATE OF ANALYSIS

Product name:	DNaseMe dsDNase
Catalog number:	EN33
Concentration:	≥ 20 U/μl
Unit definition:	One unit (Kunitz) is defined as an increase in absorbance at 260 nm of 1.0 in 30 minutes at 37°C and pH 8.0 with herring sperm DNA as a substrate.
LOT number:	JCE706174
Expiry Date:	02.2021
Storage conditions:	-20°C in the freezer without a defrost cycle
Storage buffer:	20 mM Tris-HCl (pH 8.0); 50 mM KCl; 5 mM MgCl ₂ ; 50% (v/v) glycerol
Shipping conditions:	Shipping at room temperature or on blue/ dry ice
Specification version:	PS-EN33-1.2019

QUALITY CONTROL

Parameter	Specification	Analysis
Activity	≥ 20 U/ μ l (Kunitz)	29 U/ μ l (Kunitz)
Purity by SDS-PAGE Electrophoresis ¹	> 95%	Pass
RNase Activity ²	None detected	Pass
Protease activity ³	None detected	Pass

¹ The purity is > 95% as evaluated by SDS-PAGE electrophoresis.

² RNase activity is judged by gel electrophoresis following incubation of 1 μ g of total eukaryotic RNA with 10 U of enzyme in a 20 μ l volume for 1 hour at 37°C

³ Protease activity is judged by incubation of 1 μ g of BSA with 100 U of enzyme for 20 hours at 37°C. Results are visualized on an polyacrylamide gel. No detectable degradation of the protein mixture as determined by SDS-PAGE with Coomassie Blue detection.

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

Quality authorized by: Justyna Leibner-Ciszak

Date: 11.07.2019

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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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