



## ArcticZymes launches its first Proteinase enzyme

ArcticZymes' Proteinase is a novel heat-labile enzyme easily inactivated after use. Gentle inactivation of the enzyme enables broader compatibility in the development of kits and products serving the In Vitro Diagnostic (IVD) and molecular research market segments.

### Main advantages

- Easy to inactivate
- Active at high salt
- Compatible with downstream analyses

ArcticZymes Proteinase is easy to inactivate after use.

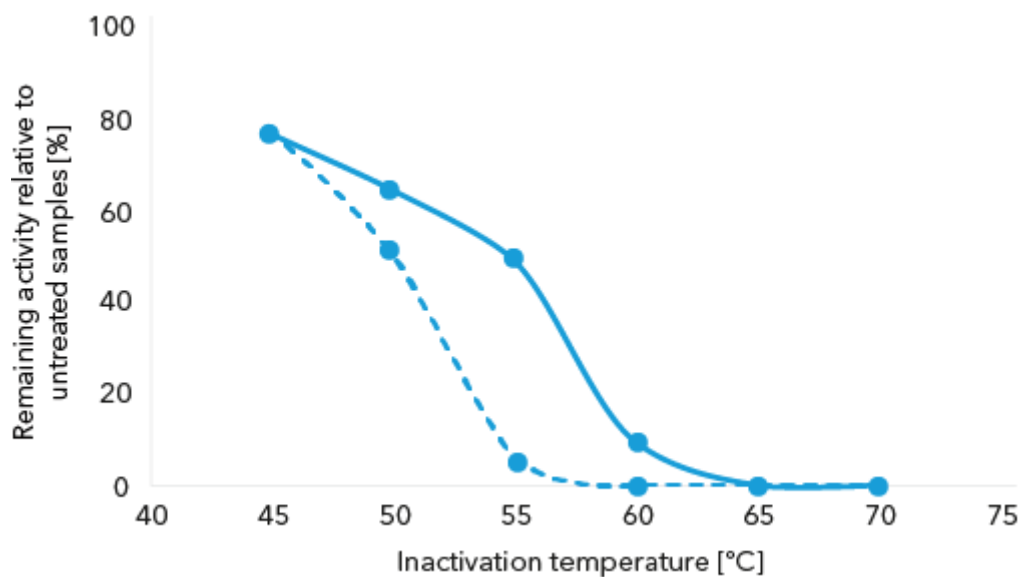


Figure 1. ArcticZymes Proteinase is easy to inactivate after use. Figure shows remaining activity after incubation of ArcticZymes Proteinase at different temperatures. Incubation for 30 minutes at indicated temperature in presence of 50 (solid line) or 300 (dotted line) mM NaCl. Remaining activity in % of sample kept on ice in same buffer.

## Overview.

ArcticZymes Proteinase is an unspecific endopeptidase originating from an Arctic marine microbial source. It has broad substrate specificity and is easy to inactivate after use.

Histones and other proteins are known to protect nucleic acids from interacting optimally with other DNA binding proteins and enzymes. ArcticZymes Proteinase is ideally suited for transforming chromatin and other dense nucleic acids to naked DNA. The enzyme is easy to heat-inactivate. This allows thermal inactivation at temperatures allowing RNA integrity as well as avoiding dissociation of dsDNA.

## [Learn more about ArcticZymes Proteinase](#)

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## News

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[Read Emmanuel Antonarakis excellent review "CTC-derived AR-V7 detection as a prognostic and predictive biomarker in advanced prostate cancer" in Expert Review of Molecular Diagnostics.](#)

[Dr Mikael Kubistas webinar "Normalization of qPCR data"](#)

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