

## **Proteinase K (lyophilized)**

<http://www.lumiprobe.com/p/proteinase-k-lyophilized>

Proteinase K is a non-specific protease of the serine protease family that cleaves peptide bonds adjacent to the carboxylic group of aromatic and aliphatic amino acids. Proteinase K is commonly used to digest proteins in biological samples, remove endogenous nucleases during DNA and RNA purification, unmask antigens in immunochemistry, and prepare tissues for *in situ* hybridization.

Proteinase K is active under a wide range of pH (between 6.5 and 9.5), elevated temperatures, and the presence of metal chelating agents and SDS.

A typical working concentration for Proteinase K is 50–100 µg/mL.

Proteinase K is a component of [LumiPure Genomic DNA Blood and Buccal Kit](#).

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### **General properties**

Appearance: white powder

CAS number: 39450-01-6

Storage conditions: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks.

Legal statement: Product is offered and sold for research purposes only. Product is not tested for safety and efficacy in food, drug, medical device, cosmetic, no express or implied authorization to use for any other purpose, including, without limitation, *in vitro* diagnostic purposes, for humans or animals or for commercial purposes.