

Product Specification Sheet

Description: Human Neutrophil Elastase
Product Number: SP34
Aliquot: 0.5 mg (5x100ug)
Lot Number: sp34.46099
Storage: 4°C
Expiration: October 30, 2026

DESCRIPTION:	Lyophilized Human Neutrophil Elastase
MOLECULAR WEIGHT:	29.5 kDa
CONCENTRATION:	Lyophilized
STORAGE BUFFER:	Reconstitute in 0.05 M Na Acetate, 0.1 M NaCl, pH 5.0 (stable for 7 days at 4°C) or 50% glycerol, 50% 0.02 M Na Acetate, pH 5.0 (stable for 60 days at -20°C). Acidic pH (pH 5.0) is recommended. Inactivation may occur at pH 8.0 due to autolysis.
STORAGE:	Store lyophilized powder at 4°C.
PURIFICATION:	Chromatography
PURITY:	>95% by SDS-PAGE analysis
SPECIFIC ACTIVITY:	0.8 to 0.9 U/mg on the substrate Suc-Ala-Ala-Ala-pNa. 15-19 U/mg on the substrate MeO-Suc-Ala-Ala-Pro-Val-pNA 1 unit will hydrolyze 1 umole of substrate per minute at pH 7.5 and 25°C.