

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name:	Collagenase NB 5 Sterile Grade
SKU #:	C279009
Version:	1
Source:	Native
Specifications & Purity:	EnzymoPure™, Sterile, ≥ 0.10 U/mg, ≥0.10 U/mg
Concentration:	≥0.10 U/mg
Formulation:	Lyophilized
Reconstitution:	It is recommended to prepare a stock solution by dissolving collagenase NB in an appropriate volume of buffer (e.g., HBSS, PBS, Tris, or Ringer's solution). The prepared enzyme should be sterile-filtered (if not sterile), aliquoted and stored at -20°C. Our stability studies indicate that the enzyme remains stable for up to one year under these conditions, provided that repeated freeze-thaw cycles are avoided.
Storage Conditions:	Store at 2-8°C

Parameter	Limit Values
Identification (Pattern of main bands: Must comply to Reference substance 3)	Conform
Loss on drying	4-10(%)
Sterility test	Conform
Absence of Clostridia	Not detected
Collagenase (PZ activity, 25°C)	≥0.1(U/mg)
Proteolytic activity	800-2500(U/g)
Clostridiopeptidase A activity	400-2500(U/g)
Ratio Clostridiopeptidase A activity : proteolytic activity	≤5.0
Molecular Weight (70-120 kDa)	Conform
Appearance(C279009)	Light brown fine powder