

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name:	Collagenase
SKU #:	C754928
Version:	1
Source:	Native
Specifications & Purity:	ActiBioPure™, Bioactive, High performance, EnzymoPure™, Native, from Clostridium histolyticum; 0.5-5.0 FALGPA units/mg solid, ≥125 CDU/mg solid, For general use
Concentration:	from Clostridium histolyticum; 0.5-5.0 FALGPA units/mg solid, ≥125 CDU/mg solid, For general use
Formulation:	Lyophilized
Reconstitution:	Reconstitution Buffers: For enzyme assays: 50 mM TES with 0.36 mM CaCl ₂ , pH 7.4, at 37 °C. For tissue dissociations: KrebsRinger Bicarbonate Buffer with added calcium (0.3–0.5 mM) and BSA (1%). For tissue culture applications: calciumfree solutions such as Hank's Balanced Salts or Earle's Balanced Salt Solution. To sterile filter solutions of crude collagenase, first centrifuge the solution or filter through a 0.8 µm filter to remove insolubles. This pretreatment will reduce the clogging of the 0.2 µm filter during sterile filtration.
Storage Conditions:	Store at -20°C, Avoid repeated freezing and thawing

Parameter	Limit Values
Appearance(C754928)	Faint beige to very dark beige and faint brown to very dark brown powder
Enzyme activity (enzyme powder): Collagen	≥125(U/mg)
Enzyme activity (enzyme powder): FALGPA	0.5-5.0(U/mg)
Enzyme activity (enzyme powder): Caseinase	≥10(U/mg)
Enzyme activity (enzyme powder): Clostripain	≥0.1(U/mg)
Enzyme activity (enzyme powder): Tryptic activit	≥0.01(U/mg)