

Specification Sheet

Coll 1

Product description	Our Coll 1 solution (5 mg/mL) is type I collagen sourced from rat tail tendons. Neutralize it on ice, mix it with cells and cast constructs. Coll 1 can be printed between 15 and 25°C, and thermally gelled at 37°C. Recommended for use with BIO X, a temperature-controlled printhead and a heated printbed. For description on how to neutralize, mix with cells, cast and thermally gel, follow the Neutralization and Casting Protocol .
Intended use	Biocompatible material for 3D bioprinting, <i>Research Grade</i> . For research use ONLY. Not intended for <i>in vitro</i> diagnostics or <i>in vivo</i> uses. Not intended for administration in humans or animals. Produced under sterile and aseptic conditions.
Product number	IK400000
Shelf life	3 months, expiration date stated on package.
Storage and handling	Store at 4-8°C. DO NOT FREEZE. Avoid temperature fluctuations.
Safety	Handle in accordance with good hygiene and laboratory safety practices. Read Safety Data Sheet for more information regarding ingredients and potential hazardous compounds.
Related documents	Protocols as well as Safety Data Sheet can be downloaded from our website https://cellink.com/product/coll-1 or scan the QR code below.



Property	Specification	Method
<i>Appearance</i>	Transparent liquid	Visual inspection.
<i>Sterility</i>	Sterile	Tested for the presence of bacteria, fungi and yeast.
<i>Endotoxin level</i>	<10 EU/mL	Limulus Amoebocyte Lysate assay, Pharmacopoeia 2.6.14 "Bacterial endotoxins": Method D, accredited by SWEDAC. Accreditation Certification 1240: ISO 15189, 2010-11-22.
<i>Cell viability</i>	≥80% live cells	3D cell culture performed with mesenchymal stem cells for 7 days. Based on routine QC performed every fourth month.
<i>pH</i>	3.4-3.6	Assessed with pH meter.