

## Specification Sheet

# Collagen PREMIUM

<b>Product description</b>	Collagen PREMIUM is derived from rat tail tendons, the primary source of type I collagen and have a concentration of $6\pm 0.5$ mg/mL before neutralization. Neutralize with the included Collagen PREMIUM Neutralization Solution. Via smooth thermal gelation at 37°C Collagen PREMIUM forms a homogeneous fiber network assembly that is stable over a desired cell culturing period. 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 <b>Neutralization and Casting Protocol</b> .
<b>Intended use</b>	Biocompatible material for casting, <b>Research Grade</b> . 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.
<b>Product number</b>	IKD120002201
<b>Shelf life</b>	12 months, expiration date stated on package.
<b>Storage and handling</b>	Store at 4-8°C. DO NOT FREEZE. Avoid temperature fluctuations.
<b>Safety</b>	Handle in accordance with good hygiene and laboratory safety practices. Read <b>Safety Data Sheet</b> for more information regarding ingredients and potential hazardous compounds.
<b>Related documents</b>	Neutralization and Casting Protocol as well as Safety Data Sheet can be downloaded from our website <a href="https://cellink.com/product/collagen-premium">https://cellink.com/product/collagen-premium</a> 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>	<0.5 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>	≥90% live cells	3D cell culture performed with mesenchymal stem cells for 7 days. Based on routine QC performed every fourth month.
<i>pH</i>	3.8±0.4 7.4	Assessed with pH meter before neutralization. Assessed with pH meter after neutralization.