

Specification Sheet

CELLINK A-RGD

Product description	CELLINK A-RGD bioink offers alginate 3D environment with an additional RGD biofunctionalization to improve cell attachment. The bioink crosslinks easily with the included Crosslinking Agent. Culture in medium supplemented with calcium to maintain the structure for longer culture periods. For description on how to mix with cells, bioprint and crosslink, follow the Bioprinting Protocol .
Intended use	Biocompatible material for 3D bioprinting, Research Grade . 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	IK200011
Shelf life	Minimum 4 months, expiration date stated on package.
Storage and handling	Store at 4-8°C. DO NOT FREEZE. Avoid temperature fluctuations. Ensure that the bioink container is capped prior to storage to prevent drying.
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	Bioprinting Protocol as well as Safety Data Sheet can be downloaded from our website https://cellink.com/product/cellink-a-rgd or scan the QR code below.



Property	Specification	Method
<i>Appearance</i>	Translucent gel	Visual inspection.
<i>Sterility</i>	Sterile	Tested for the presence of bacteria, fungi and yeast. Test performed on raw material.
<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. Test performed on raw material.
<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>	6.5-7.4	Assessed with pH paper.
<i>Viscosity</i>	5-20 Pa·s	Tested using rotational 20 mm plate-plate HR-2 TA Instruments Rheometer, assessed at 1 s^{-1} . Flow sweep parameters: shear rate from 0.001 s^{-1} to 100 s^{-1} , 25°C .