

Specification Sheet

CELLINK RGD

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| Product description | CELLINK RGD contains alginate covalently conjugated with RGD, the cell-attachment peptide. The bioink also contains nanofibrillar cellulose for excellent printability. CELLINK RGD 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, <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 | IK102010 |
| Shelf life | 6 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-rgd/ or scan the QR code below. |



| Property | Specification | Method |
|------------------------|-----------------|---|
| <i>Appearance</i> | Opaque gel | Visual inspection. |
| <i>Sterility</i> | Sterile | Tested for the presence of bacteria, fungi and yeast. Tested on raw materials. |
| <i>Endotoxin level</i> | <40 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. Tested on raw materials. |
| <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 meter. |
| <i>Viscosity</i> | 3-20 000 Pa·s | Tested using rotational 20 mm plate-plate HR-2 TA Instruments Rheometer. Flow sweep parameters: shear rate from 0.002 s ⁻¹ to 500 s ⁻¹ , 25°C. |