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Specification Sheet

CELLINK RGD

Product description	CELLINK RGD contains alginate covalently conjugated with RGD, the cell-attachment peptide sequence, and nanofibrillated cellulose providing excellent printability and supporting 3D cell culture of various cell types. CELLINK RGD crosslinks easily with the included Ca^{2+}-containing Crosslinking Agent. To maintain the structure for longer cell culture periods, supplement cell media with calcium as well. 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 in vitro diagnostics or in vivo uses. Not intended for administration in humans or animals. Produced under aseptic conditions.
Product number	IKC21000
Shelf life	Minimum 3 months, expiration date stated on package.
Storage and handling	Store at 2-10°C. **DO NOT FREEZE.** Handling can be done at room temperature. 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://www.cellink.com/product/cellink-rgd/.

Property	Specification	Method
Appearance	White semi-translucent gel	Visual inspection.
Sterility	Sterile	Tested for the presence of bacteria, fungi and yeast with method adapted from Ph Eur 2.6.1 and USP <71>.
pH	6.5-7.4	Assessed with pH paper.
Viscosity	2.6-7.5 kPa·s at 0.01 s^{-1}; 1.0-1.9 Pa·s at 200 s^{-1}	Tested using HR-10 TA Instruments Rheometer with 20 mm plate-plate geometry. Steady-state rotational flow sweep: 25°C, shear rate from 0.001 s^{-1} to 200 s^{-1}.