

Specification Sheet

Alginate RGD

Product description

Alginate RGD bioink offers 3D environment of alginate with an additional RGD biofunctionalization to improve cell attachment. The bioink crosslinks easily with the included Crosslinking Agent. Culture the printed bioink 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 in vitro diagnostics or in vivo uses. Not intended for administration in humans or animals. Produced under sterile and aseptic conditions.

Product number

IK200011

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/alginate-rgd/>.

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. Aseptically processed from sterilized materials.
<i>pH</i>	6.5-7.4	Assessed with pH paper.
<i>Viscosity</i>	5-10 Pa·s at 0.1 s ⁻¹ ; 0.5-0.9 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 . * Characteristic values, not tested on every batch.