

Specification Sheet

CELLINK LAMININK

Product description

The CELLINK LAMININK bioinks include CELLINK LAMININK 111, CELLINK LAMININK 121, CELLINK LAMININK 411 and CELLINK LAMININK 521. These bioinks have been developed to create native-like environment for different cell types with the help of laminin proteins. The CELLINK LAMININK bioinks can be easily crosslinked 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

IKC20100/200/300/400

Shelf life

Minimum 1.5 months, expiration date stated on package.

Storage and handling

Store and handle at 2-10°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 for each product can be downloaded from our website:

LN 111: <https://www.cellink.com/product/cellink-laminink-111/>.
LN 121: <https://www.cellink.com/product/cellink-laminink-121/>.
LN 411: <https://www.cellink.com/product/cellink-laminink-411/>.
LN 521: <https://www.cellink.com/product/cellink-laminink-521/>.

Property	Specification	Method
<i>Appearance</i>	White semi-translucent gel	Visual inspection.
<i>Sterility</i>	Sterile	Raw materials tested for the presence of bacteria, fungi and yeast with method adapted from Ph Eur 2.6.1 and USP <71>. Produced under aseptic conditions.
<i>pH</i>	6.5-7.4	Assessed with pH paper.
<i>Viscosity</i>	2.0-5.3 kPa·s at 0.01 s ⁻¹ ; 0.7-1.6 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.