

## Specification Sheet

# PhotoAlginat<sup>®</sup>-Ink

<b>Product description</b>	PhotoAlginat <sup>®</sup> -Ink is a sterile, pre-formulated 2% ready-to-use solution of methacrylated alginate with 0.5% LAP for rapid bioprinting with the BIONOVA X. PhotoAlginat is a biodegradable biomaterial that works with wide range of human cells and crosslinkable with light as well as calcium ions. This bioink is derived from brown algae with enhanced printability and crosslinking through the incorporation of methacrylate groups. For description on how to mix with cells and bioprint, follow the <b>Bioprinting Protocol</b> .
<b>Intended use</b>	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.
<b>Product number</b>	D16110025377
<b>Storage and handling</b>	Store at 2-10 <sup>0</sup> C DO NOT FREEZE. Protect from light and avoid temperature fluctuations. Ensure that the bioink container is capped prior to storage to prevent drying.
<b>Safety</b>	Handle in accordance with good hygiene and laboratory safety practices. Read <b>Safety Data Sheet</b> for more information regarding ingredients and potential hazardous compounds.
<b>Related documents</b>	Bioprinting Protocol as well as Safety Data Sheet can be downloaded from our website <a href="https://www.cellink.com/product/photoalginate-ink/">https://www.cellink.com/product/photoalginate-ink/</a> or scan the QR code below.

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Property	Specification	Method
<i>Appearance</i>	Translucent amber gel	Visual inspection.
<i>Sterility</i>	Sterile	Sterile filtered.
<i>pH</i>	6.5 – 7.4	Assessed with pH meter.
<i>Degree of methacrylation</i>	≥20%	Colorimetric detection using trinitrobenzenesulfonic acid (TNBS) assay