

Specification Sheet

HAMA Kit

Product description	HAMA Kit contains methacrylated hyaluronic acid powder for use as a 3D tissue construct biomaterial, or as a component in bioinks. Reconstitute in neutral buffer and it's ready for use, for a step-by-step instruction follow the Reconstitution Protocol and Casting Protocol . Addition of a photoinitiator enables photocuring.
Intended use	Biocompatible material for 3D bioprinting and casting, Research Grade . For research use ONLY. Not intended for <i>in vitro</i> diagnostics and <i>in vivo</i> uses. Not intended for administration in humans or animals. Produced under sterile and aseptic conditions.
Product number	VLHA0000
Shelf life	6 months, expiration date stated on package.
Storage and handling	Store at -20 to 4°C. Avoid temperature fluctuations. Protect from light.
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	Reconstitution Protocol, Casting Protocol as well as Safety Data Sheet can be downloaded from our website https://cellink.com/product/hama/ or scan the QR code below.



Property	Specifications	Method
<i>Appearance</i>	White powder	Visual inspection.
<i>Sterility</i>	Sterile	Tested for the presence of bacteria, fungi and yeast.
<i>Endotoxin level</i>	<100 EU/g	Limulus Amoebocyte Lysate assay, Pharmacopoeia 2.6.14 "Bacterial endotoxins": Method D, accredited by SWEDAC. Accreditation Certification 1240: ISO 15189, 2010-11-22.
<i>Degree of methacrylation</i>	15-25%	¹ H NMR performed at room temperature, acquired with a spectral width of 8013 Hz, or 16 ppm, averaged over 64 scans using 64K time domain points. Acrylate peaks present at 5.6 and 6.0, methyl at 1.8 ppm.