

Specification Sheet

Alginate Kit

Product description	Alginate is a polysaccharide and is one of the most commonly used biomaterials in drug delivery and tissue engineering applications. Dissolve the powder at your target concentration to prepare as a bioink/hydrogel, for a detailed description of preparation follow the Reconstitution Protocol . Alginate hydrogels can be crosslinked with our Crosslinking Agent containing calcium ions.
Intended use	Biocompatible material for 3D bioprinting, 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	VL200000
Shelf life	6 months, expiration date stated on package.
Storage and handling	Store at -20 to 4°C. Avoid temperature fluctuations.
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 and Safety Data Sheet can be downloaded from our website https://cellink.com/product/alginate-kit/ or scan the QR code below.



Property	Specification	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>	<10 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. Tested on raw material.
<i>Viscosity</i>	1-10 Pa·s	3% in water. Tested using rotational 20 mm plate-plate HR-2 TA Instruments Rheometer. Flow sweep parameters: shear rate from 0.002 s ⁻¹ to 500 s ⁻¹ , 25°C.