

Specification Sheet

Alginate Lyophilizate

Product description	Alginate is a polysaccharide and is one of the most used biomaterials in drug delivery and tissue engineering applications. Dissolve the lyophilized alginate in the Reconstitution Agent M and use for bioink preparation. For a detailed description of preparation, follow the <i>Reconstitution Protocol Alginate</i> . 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.
Product number	VLB000000201
Shelf life	Minimum 9 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 <i>Safety Data Sheet (SDS) Alginate Lyophilizate</i> for more information regarding ingredients and potential hazardous compounds.
Related documents	Reconstitution Protocol and Safety Data Sheet can be downloaded from our website at https://www.cellink.com/global/product/alginate-lyophilizate/ . Scan the QR code below to reach it.



Property	Specification	Method
<i>Appearance</i>	White to off-white lyophilizate	Visual inspection.
<i>Sterility</i>	Sterile	Tested for the presence of bacteria, fungi, and yeast.
<i>Viscosity</i>	140±40 Pa·s	5% in Reconstitution Agent M. Tested using rotational 20 mm plate-plate HR-2 TA Instruments Rheometer, assessed at 1 s ⁻¹ . Flow sweep parameters: shear rate from 0.001 s ⁻¹ to 100 s ⁻¹ , 25°C.
<i>pH</i>	6.5-7.4	5% in Reconstitution Agent M. Measured with pH paper.