

Specification Sheet

Pluronics Powder

Product description	The Pluronics Powder can be reconstituted into hydrogels with excellent printability. The prepared hydrogels are used for 3D printing of vascularized tissues, channels in microfluidic devices, and supporting scaffolds for complicated tissue constructs. Pluronics hydrogels are easy to remove ones printed by washing with cold PBS. For suggestions on how to 3D print Pluronics, see the <i>Printing Protocol Pluronics 40%</i> .
Intended use	Biocompatible material for 3D bioprinting, <i>Research Grade</i> . 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	VLA000001000
Shelf life	Minimum 8 months, expiration date stated on package.
Storage and handling	Store at 4-25°C, keep dry in closed container.
Safety	Handle in accordance with good hygiene and laboratory safety practices. Read <i>Safety Data Sheet (SDS) Pluronics</i> for more information regarding ingredients and potential hazardous compounds.
Related documents	Safety data sheet can be downloaded from our website at https://www.cellink.com/global/product/pluronics-powder/ . Scan the QR code below to reach it.



Property	Specification	Method
<i>Appearance</i>	White powder	Visual inspection.
<i>Sterility</i>	Sterile	Tested for the presence of bacteria, fungi and yeast.
<i>Viscosity</i>	520-1010 Pa·s	40% (w/v) Pluronics in deionized water. 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 200 s ⁻¹ , 25°C.