

Specification Sheet

Pluronics 40%

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| Product description | Pluronics 40% is a ready-to-print sacrificial and support ink that exhibits excellent printability. This ink has been optimized for the fabrication of vascularized tissues, channels in microfluidic devices, and supporting scaffolds for complicated tissue constructs. The ink is easy to remove ones printed by washing with cold PBS. For suggestions on how to 3D print it, see the <i>Printing Protocol Pluronics 40%</i> . |
| Intended use | Highly concentrated biocompatible material for use as a sacrificial material in 3D tissue engineering, Research Grade . 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. |
| Product number | IKS400000503 |
| Shelf life | Minimum 8 months, expiration date stated on package. |
| Storage and handling | Store at 4-8°C. DO NOT FREEZE. Ensure that the syringe is capped prior to storage to prevent drying. |
| Safety | Handle in accordance with good hygiene and laboratory safety practices. Read <i>Safety Data Sheet (SDS) Pluronics 40%</i> for more information regarding ingredients and potential hazardous compounds. |
| Related documents | Printing Protocol and Safety Data Sheet can be downloaded from our website at https://www.cellink.com/global/product/pluronics-40-2/ . Scan the QR code below to reach it. |



| Properties | Specification | Method |
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| <i>Appearance</i> | Transparent gel | Visual inspection. |
| <i>Sterility</i> | Sterile | Tested for the presence of bacteria, fungi and yeast. |
| <i>pH</i> | 6.5-7.4 | Assessed with pH paper or pH meter |
| <i>Viscosity</i> | 520-1010 Pa·s | 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. |