

Materials List for:

High-resolution Patterning Using Two Modes of Electrohydrodynamic Jet: Drop on Demand and Near-field Electrospinning

Thanh Huy Phung¹, Soobin Oh², Kye-Si Kwon²

¹Department of Electronic Materials and Devices Engineering, Soonchunhyang University

²Department of Mechanical Engineering, Soonchunhyang University

Correspondence to: Kye-Si Kwon at kskwon@sch.ac.kr

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Materials

Name	Company	Catalog Number	Comments
EHD integrated printing system	Psolution Ltd., South Korea	PS300	
Harima Ag Nanoparticle ink	Harima Inc., Japan	Harima NPS-JL	Ag solid content: ~ 53 wt%, Viscosity: ~10 cP, Surface tension: ~30 mN/m
Glass capillary	Narishige Scientific Instrument Lab	G-1	Inner diameter: 1 mm; Used to make nozzle for DOD EHD jet printing using thermal puller
Nozzle thermal puller	Sutter Instrument, USA	Sutter P-1000	
Microscope Slides (Glass substrate)	Paul-Marienfeld & Co.KG, Germany	10 006 12	Dimension (L x W x T): 76 mm x 26 mm x 1 mm
Magnetic Stirrer	Barnstead Thermolyne Corp., USA	Cimarec SP131635	
Vortex Stirrer	Jeiotech, South Korea	Lab Companion VM-96T	
Ag nanopaste	NPK, South Korea	ES-R001	Ag solid content: ~85.5 wt%, Viscosity: ~11000 cP
Poly ethylene oxide (PEO)	Sigma-Aldrich, USA	372773-500G	Mw = 400000
Ethanol	Sigma-Aldrich, USA	459836-500ML	