

Materials List for:

Fabrication of Micropatterned Hydrogels for Neural Culture Systems using Dynamic Mask Projection Photolithography

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URL: <https://www.jove.com/video/2636>

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Materials

Name	Company	Catalog Number	Comments
Digital Micromirror Device	Texas Instruments	DLPD4X00KIT	
Collagen Coated Transwell Permeable Support	Corning	3491	Also referred to as Cell Culture Insert in manuscript
Polyester Transwell Permeable Support	Corning	3412	Also referred to as Cell Culture Insert in manuscript
Neurobasal Medium	Invitrogen	21103-049	
Fetal Bovine Serum	Invitrogen	16000-036	
L-glutamine	Invitrogen	25030-164	
Nerve Growth Factor	Invitrogen	13257-019	
Pen/Strep	Invitrogen	15140-122	
B-27 Supplement	Invitrogen	17504-044	
DPBS	Invitrogen	14190-250	
Puramatrix	BD Biosciences	354250	
PEG 1000	Polysciences, Inc.	15178	
Irgacure 2959	Ciba Specialty Chemicals	0298913AB	
Oil	Have used both canola oil and silicon oil		Needs to be UV transparent, and minimize +/- meniscus formation
OmniCure Series 1000	EXFO		
Rain-X			