

Materials List for:

A Protocol for Rapid Post-mortem Cell Culture of Diffuse Intrinsic Pontine Glioma (DIPG)

Grant L. Lin¹, Michelle Monje²

¹Graduate Program in Neuroscience, Department of Neurology, Institute for Stem Cell Biology and Regenerative Medicine, Stanford University School of Medicine

²Departments of Neurology, Neurosurgery, Pathology and Pediatrics, Institute for Stem Cell Biology and Regenerative Medicine, Stanford University School of Medicine

Correspondence to: Michelle Monje at mmonje@stanford.edu

URL: <https://www.jove.com/video/55360>

DOI: [doi:10.3791/55360](https://doi.org/10.3791/55360)

Materials

Name	Company	Catalog Number	Comments
Hibernate-A	Gibco	A12475-01	
HBSS with Calcium/Magnesium	Gibco	24020-117	
HBSS	Corning	21-022-CV	
HEPES	Gibco	15630-080	
Liberase DH (Collagenase/Dispase)	Roche	5401054001	
DNAse I	Worthington Biochemical	LS002007	
Sucrose	Sigma	S0389	
Antibiotic/Antimycotic	Gibco	15240-096	
Neurobasal-A	Gibco	10888-022	
DMEM/F12	Gibco	11330-032	
GlutaMAX-I (100x)	Gibco	35050-061	
Sodium Pyruvate (100 mM)	Gibco	11360-070	
B27 Supplement Minus Vitamin A	Gibco	12587-010	
MEM Non-Essential Amino Acids (100x)	Gibco	11140-050	
Human PDGF-AA	Shenandoah Biotechnology	100-16	
Human PDGF-BB	Shenandoah Biotechnology	100-18	
Human EGF	Shenandoah Biotechnology	100-26	
Human FGF	Shenandoah Biotechnology	100-146	
Sterile scalpel blades	Bard Paker	372610	
Curved hemostats	Fine Science Tools	13013-14	
Razor blades	VWR	55411-050	
100 x 20 mm cell culture dish	Corning	353003	
Sterile forceps	TWD Tradewinds	DF8988-5	
Sterile drapes	3M	2037	
Sterile gloves	Kimberly Clark	1182307	
ACK Lysis Buffer	Gibco	A1049201	
100 micron mesh filter	Fisher	352360	
50 mL conical tube	Fisher	1495949A	