

Materials List for:

Live Imaging Followed by Single Cell Tracking to Monitor Cell Biology and the Lineage Progression of Multiple Neural Populations

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Materials

Name	Company	Catalog Number	Comments
Poly-D-lysine	Sigma	P0899	Working solution 0.02 mg mL ⁻¹
24 wells plate	Falcon	352047	
Dulbecco's modified Eagle's medium (DMEM): F12 Nutrient Mixture medium (-L Glutamine)	Invitrogen	21331-020	
DMEM High Glucose medium	Sigma	D6546	
Bovine Serum Albumin	Sigma	A6003	
Triton X-100	Merck	11869	non-ionic surfactant
Mouse anti-β III Tubulin	Sigma	T8660	
Rabbit anti-GFAP	DakoCytomation	Z0334	
Mouse anti-α Tubulin	Sigma	T5168	
Anti-Mouse FITC	Jackson Laboratories	715-095-150	
Anti-Rabbit Cy3	Jackson Laboratories	711-165-152	
Brightfield/Phase contrast/fluorescence microscope	Nikon	TE-2000-E	
CFI PLAN FLUOR DLLL 10X objectives	Nikon	Ref 280MRH10101	
CFI SUPER PLAN FLUOR ELWD AMD 20X objectives	Nikon	Ref 280MRH48230	
pE-300 LED fluorescence	Cool LED	Ref Number 1981	
310M-201 Incubation system (temperature)	OKO-Lab	Serial N° VOF007307	
Pro-ScanII Motorized stage system	Prior	Serial N° 60018	
High precision microscope camera version 4.2	ANDOR Zyla	VSC-03650	
Specific software for live imaging with timelapse module: NIS-Elements AR4.5	Nikon	NIS-Elements AR4.5 -Hasp ID: 13CE819E	

OKO touch Incubation system (CO2)	OKO-lab	Serial number 1716	
Murine Neuro-2a Neuroblastoma Cell line	ATCC	ATCCCCL131	
HEPES buffer solution 1 M	Invitrogen	15630-056	