

Materials List for:

Assessing Neural Stem Cell Motility Using an Agarose Gel-based Microfluidic Device

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Materials

Name	Type	Company	Catalog Number	Comments
Dulbecco's Modified Eagle Medium (DMEM) (1X)	Reagent	Invitrogen	11971-025	
CO2-independent media	Reagent	Invitrogen	18045-088	A non-HEPES proprietary medium suitable for supporting cell growth for a variety of epithelial, fibroblast, and lymphoid cell lines in atmospheric conditions, contains no L-glutamine
Trypsin-EDTA	Reagent	Invitrogen	25200-072	
PBS	Reagent	Invitrogen	14190-144	Phosphate-buffered saline, without calcium or magnesium
Pen/Strep	Reagent	Invitrogen	15140-122	Contains 10,000 units of penicillin (base) and 10,000 g of streptomycin (base)/ml utilizing penicillin G (sodium salt) and streptomycin sulfate in 0.85% saline
FBS	Reagent	Invitrogen	10437-028	Fetal Bovine Serum, Qualified
Horse Serum	Reagent	Invitrogen	16050-130	Horse Serum, EIA tested (negative) serum
Fibronectin	Reagent	Sigma-Aldrich	F0895	Fibronectin from human plasma, also called cold insoluble globulin
EGF	Reagent	Sigma-Aldrich	E4127	Epidermal Growth Factor from murine submaxillary gland, lyophilized
Agarose	Reagent	Fisher Scientific	BP1356-500	