

Materials List for:

Preparing E18 Cortical Rat Neurons for Compartmentalization in a Microfluidic Device

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Materials

Name	Туре	Company	Catalog Number	Comments
NBM	medium	Invitrogen	21103-049	Neural Basal Media is obtained by Invitrogen under their Gibco line of cell culture reagents.
E18 rat embryos	Animal			Obtained from pregnant Sprague Dawley Rats. The pregnant rat is sacrficed and the E18 fetal rat pups dissected to obtain the E18 fetal rat cortex.
CMFM dissection buffer HBSS	buffer			ice-cold Calcium-free Magnesium-free dissection buffer HBSS based.
15 ml Tube	Tool	BD Biosciences	Falcon No. 352097	Available through Fisher Scientific catalog number 14-959-70C
0.25% Trypsin-EDTA	Reagent	Invitrogen		
37°C water bath				
Pasteur pipets		Fisher Scientific		glass
DMEM	medium	Invitrogen		
FBS	Reagent	Invitrogen		serum, used at 10% in DMEM
centrifuge			İ	set at 2500 rpm
Trypan Blue		Invitrogen		for counting live/dead cells
BD Falcon Cell Strainer 40 um	Tool	BD Biosciences	Falcon cat# 352340	Available through Fisher Scientific. Fisher catalog# 08-771-1
B27	Reagent	Invitrogen	17504-044	B27 is a proprietary supplement available through Invitrogen under their Gibco line of cell culture reagents.
Glutamax	Reagent	Invitrogen	35050-061	Glutamax is available through Invitrogen under their Gibco line of celll culture reagents.

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