

Materials List for:

Simulating Pancreatic Neuroplasticity: *In Vitro* Dual-neuron Plasticity Assay

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Materials

Name	Company	Catalog Number	Comments
Poly-D-lysine hydrobromide	Sigma-Aldrich	P1149	
Ornithine/laminin	Sigma-Aldrich	P2533/L4544	
13 mm Coverslips	Merck		For use in 24-well plates
Dismembrator S	Sartorius		
Anti-Beta-III-tubulin antibody	Millipore	MAB1637	1:200 concentration
Anti-GFAP-antibody	DAKO	M0761	1:400 concentration
RIPA buffer + protease inhibitor			Any supplier
Neurobasal medium	Gibco/Life Sciences	21103-049	
B-27 Supplement	Gibco/Life Sciences	17504044	Quality of B-27 is known to depend on the lot number
Gentamicin/Metronidazol			Any supplier
Minimal essential medium	Gibco/Life Sciences	31095-029	
Hank's Balanced Salt Solution (HBSS)	Gibco/Life Sciences	24020133	Improves collagenase activity when containing Ca/Mg
Collagenase type II	Worthington Biochemical	CLS-2	Obtain lots with at least 200 U/mg activity
Trypsin-EDTA 0.25%	Gibco/Life Sciences	25200056	
4% Paraformaldehyde			Any supplier
analysIS docu software	Olympus		