

Materials List for:

# Development of an Insert Co-culture System of Two Cellular Types in the Absence of Cell-Cell Contact

Justine Renaud<sup>1</sup>, Maria-Grazia Martinoli<sup>1</sup>

<sup>1</sup>Dept. of Medical Biology, University of Québec

Correspondence to: Maria-Grazia Martinoli at [martinol@uqtr.ca](mailto:martinol@uqtr.ca)

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## Materials

Name	Company	Catalog Number	Comments
RPMI-1640 medium	Sigma	R8755	Warm in 37 °C water bath before use
Dulbecco's Modified Eagle's Medium/Nutrient Mixture F-12 Ham	Sigma	D6421	Warm in 37 °C water bath before use, must be supplemented with 0.365 gm/L L-glutamine
Horse serum	ATCC	30-2040	Warm in 37 °C water bath before use
Fetal bovine serum	MultiCell	80350	Warm in 37 °C water bath before use
Nerve Growth Factor-7S from murine submaxillary gland	Sigma	N0513	Reconstitute the lyophilized powder in a solution of buffered saline or tissue culture medium containing 0.1–1.0% bovine serum albumin or 1-10% serum
Trypsin-EDTA solution	Sigma	T3924	Warm in 37 °C water bath before use
Lipopolysaccharides from Escherichia coli 055:B5	Sigma	L2880	Toxic
Cell culture inserts for use with 24-well plates	BD Falcon	353095	0.4 µm pores
24-well plates	TrueLine	TR5002	Coat with collagen before use
Routine PC12 cell culture medium			Routine N9 cell culture medium
- 85% RPMI medium			- 90% DMEM-F12 medium
- 10% heat-inactivated horse serum			- 10% heat-inactivated horse serum
- 5% heat-inactivated fetal bovine serum			
PC12 differentiation medium			N9 treatment medium
- 99% RPMI medium			- 99% DMEM-F12 medium
- 1% heat-inactivated fetal bovine serum			- 1% heat-inactivated fetal bovine serum
- 50 ng/mL nerve growth factor			
PC12 treatment medium			
- 99% RPMI medium			
- 1% heat-inactivated fetal bovine serum			