

Materials List for:

Preparation and Characterization of Novel HDL-mimicking Nanoparticles for Nerve Growth Factor Encapsulation

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Materials

Name	Company	Catalog Number	Comments
Recombinant Human Beta-NGF	Creative Biomart	NGF-05H	
L- α -Phosphatidylcholine (PC)	Avanti	131601P	95%, Egg, Chicken
Sphingomyelin (SM)	Avanti	860062P	Brain, Porcine
Phosphatidylserine (PS)	Avanti	840032P	Brain, Porcine
Cholesteryl oleate (CO)	Sigma	C9253	
D- α -Tocopheryl polyethylene glycol succinate (TPGS)	BASF	9002-96-4	Vitamin E Polyethylene Glycol Succinate
Protamine sulfate	Sigma	P3369	meets USP testing specifications
Apolipoprotein A1, Human plasma	Athens Research & Technology	16-16-120101	1 mg in 671 μ L 10 mM NH_4HCO_3 , pH 7.4
Sepharose 4B-CL	Sigma	CL4B200	Cross-linked agarose, gel filtration chromatography column filling material
Sandwich ELISA Kit for NGF	R&D system	DY008	
Bovine Serum Albumin	Sigma	A2153	
RPMI-1640 medium	GE Healthcare Life Science	SH30096.02	
Horse serum	GE Healthcare Life Science	SH30074.03	
Fetal bovine serum	Gibco	10082147	
PC12 cells	ATCC	CRL-1721	
Rat tail collagen type I	Sigma	C3867	
Sodium acetate	Sigma	S2889	
Sodium chloride	Sigma	31414	
Triton X-100	Sigma	T8787	
Phenylmethanesulfonyl fluoride (PMSF)	Sigma	P7626	
Benzethonium chloride	Sigma	B8879	
Name	Company	Catalog Number	Comments
Equipment			
Homogenizer	Tekmar	T 25-S1	
Delsa Nano HC particle analyzer	Beckman-Coulter	Delsa Nano HC	
Float-A-Lyzer G2 Dialysis Device	Spectrum Laboratories	G235036	Molecule Cutoff 300 kDa
Centrifuge	Eppendoff	5424R	
Polytron homogenizer	Kinematica	PT 1200C	
DecapiCone	Braintree Scientific Inc.	DC-M200	