

Materials List for:

Solid Lipid Nanoparticles (SLNs) for Intracellular Targeting Applications

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Materials

Name	Company	Catalog Number	Comments
Nile Red (NiR)	Sigma	19123	BioReagent, suitable for fluorescence, ≥98.0%
Heneicosane	Aldrich	286052	98%
Brij O10	Sigma	P6136	Brij 97, C18-1E10, Polyoxyethylene (10) oleyl ether
Water	Sigma	W3500	Sterile-filtered, BioReagent, suitable for cell culture
Syringe Filter 0.2 µm Supor Membrane Low Protein Binding	Life Sciences	PN4612	Non-Pyrogenic
Nanotracs Ultra	Microtrac	serial number U1985IS	Instrument
Differential Scanning Calorimeter	Mettlet-Toledo		Instrument
Primary human fibroblasts	Life Technologies	C-004-5C	Neonatal (HDFn)
Medium 106	Life Technologies	M-106-500	A sterile, liquid medium for the culture of human dermal fibroblasts.
Low Serum Growth Supplement Kit (LSGS Kit)	Life Technologies	S-003-K	All the components of complete LSGS
MTT Cell Proliferation Assay Kit	Trevigen	4890-025-K	Sensitive kit for the measurement of cell proliferation based upon the reduction of the tetrazolium salt, 3-[4,5-dimethylthiazol-2-yl]-2,5-diphenyl-tetrazolium bromide (MTT)
Safire2 microplate reader	Tecan	----	Instrument
Phosphate buffered saline	Sigma	P5493	For molecular biology
Recombinant murine GM-CSF	Peprtech	315-03	>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Recombinant murine IL-4	Peprtech	214-14	>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.