

Materials List for:

Models and Methods to Evaluate Transport of Drug Delivery Systems Across Cellular Barriers

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Materials

Name	Company	Catalog Number	Comments
Transwell inserts	BD Falcon	353095	
Dulbecco's Modified Eagle's Medium (DMEM), 1x	Cellgro	10-013-CM	
Fetal Bovine Serum (FBS)	Cellgro	35-015-CV	
Pen Strep	Gibco	15140	
Human epithelial colorectal adenocarcinoma (Caco-2) cells	ATCC	HTB-37TM	
¹²⁵ Iodine	Perkin Elmer	NEZ033H002MC	Radioactive hazard
Phosphate Buffer Saline (PBS)	Gibco	14190-235	
Bovine Serum Albumin (BSA)	Equitech Bio	BAH-66	
Paraformaldehyde (16%)	Fisher Scientific	15710	
Mouse Immunoglobulin G (IgG)	Jackson ImmunoResearch	015-000-003	
Mouse monoclonal antibodies to human ICAM-1 (anti-ICAM)	Marlin 1987		
α-Galactosidase, from green coffee beans	Sigma	G8507-25UN	
FITC latex beads, 100 nm	Polysciences, Inc.	17150	
Triton X-100	Sigma	234729-500ML	
Trichloroacetic acid (TCA)	Fisher Scientific	SA433-500	
Occludin antibody (Y-12), goat polyclonal anti-human	Santa Cruz Biotechnology	Sc-27151	
Monodansylcadaverine (MDC)	Sigma	D4008	
Filipin	Sigma	F9765	
5-(N-ethyl-N-isopropyl) amiloride (EIPA)	Sigma	A3085	
Wortmannin	Sigma	W1628	
Gamma counter	Perkin Elmer	Wizard ²	
Volt-ohm meter	World Precision Instruments	EVOM ²	
TEER electrodes	World Precision Instruments	STX100	Electrodes available for different well-plates
Dynamic Light Scattering (DLS)	Malvern	Nano-ZS90	