

Materials List for:

Long-term Silencing of Intersectin-1s in Mouse Lungs by Repeated Delivery of a Specific siRNA via Cationic Liposomes. Evaluation of Knockdown Effects by Electron Microscopy

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URL: <https://www.jove.com/video/50316>

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Materials

Name	Company	Catalog Number	Comments
Dimethyl Dioctadecyl Ammonium Bromide (DOAB)	Sigma-Aldrich	D2779	
LiposoFast stabilizer (mini-extruder)	Avestin Inc.	LF-STB	
Polycarbonate membrane, 19 mm diameter, 50 nm pore	Avestin Inc.	LFM-50	
Cholesterol	Sigma-Aldrich	C-8667	
Chloroform	Mallinckrodt Chemicals	4432-04	
Hank's balanced salts	Sigma-Aldrich	H1387	
Round-bottom flask	Fisher Scientific	FHB-275-030X	
Mouse siRNA _{ITSN} - on target	Dharmacon/ThermoScientific	J-046912-11	
Peristaltic pump	Ismatec	REGLO-CDF digital with RHOO pump head	
Ventilator	Hugo Sachs Elektronik	NA	
Barbital	Sigma-Aldrich	B-0500	
Uranyl acetate	EM Sciences	22400	
Epon812	EM Sciences	Discontinued by the manufacturer	
Propylene oxide	EM Sciences	20400	
Embedding molds	EM Sciences	69923-05	
Tannic acid	EM Sciences	21710	
8 nm gold-albumin tracer		Prepared in the laboratory as in16	
Comments			
Equipped with 2 Avestin 1 ml gas-tight syringes (cat. # LF-1)			
Pyrex, 100 ml			
Modified siRNA, <i>in vivo</i>			
Part of IDEX corp.			
D-79232 March, Germany			
Replaced with Embed812, cat. # 14120			