

An Optimized Mouse Embryonic Stem Cell Based Reverse Poly-Transfection Technique for Rapid Exploration of Nucleic Acid Ratios

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jove.com/video/65766

Materials

Name	Company	Catalog Number	Comments
Accutase	MilliporeSigma	SCR005	
Apotransferrin	MilliporeSigma	T1147-500MG	
B27 supplement	ThermoFisher Scientific	17504044	
Beta-mercaptoethanol	ThermoFisher Scientific	21985023	
BSA fraction V (7.5%)	Gibco	15260-037	
CHIR99021	MilliporeSigma	SML1046-25MG	
DMEM-F12	MilliporeSigma	D6421-24X500ML	
Flow cytometry standardization beads	Spherotech	URCP-38-2K	
Gelatin	MilliporeSigma	G1890	
GlutaMAX supplement	ThermoFisher Scientific	35050061	
Insulin	Gibco	12585-0014	
Lipofectamine 2000	Invitrogen	11668-019	Transfection reagent
Neurobasal media	ThermoFisher Scientific	21103049	
OptiMEM	Invitrogen	31985-070	
PD0325901	MilliporeSigma	PZ0162-25MG	
Progesterone	MilliporeSigma	P8783	Chemical hazard - consult local safety guidelines, ensure proper PPE is worn, and work with the solid powder form only in a chemical fume hood
Putrescine	MilliporeSigma	P6780	Chemical hazard - consult local safety guidelines, ensure proper PPE is worn, and work with the solid powder form only in a chemical fume hood
Recombinant mLIF	BioTechne	8878-LF-500/CF	
Sodium selenite	MilliporeSigma	S5261-25G	Chemical hazard - consult local safety guidelines, ensure proper PPE is worn, and work with the solid

			powder form only in a chemical fume hood
Trypsin-EDTA	ThermoFisher Scientific	25200056	