

Materials List for

Rapid Development of Cell State Identification Circuits with Poly-Transfection

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Materials

Name	Company	Catalog Number	Comments
15mL Corning Falcon conical tubes	ThermoFisher Scientific	14-959-53A	
24-well petri dish	Any company of choice		(Non-pyrogenic, Sterile, RNase, DNase, DNA and Pyrogen Free)
Bovine serum albumin	NEB	B9000S	
Centrifuge	Any company of choice		Capable of exposing 15mL Falcon tubes to 300 rcf
Countess 3 Automated Cell Counter	ThermoFisher Scientific	AMQAX2000	
Countess Cell Counting Chamber Slides	ThermoFisher Scientific	C10228	
Cytoflow	Non-commercial software package		https://cytoflow.readthedocs.io/en/stable/#
DMEM	VWR	10-013-CV	Use the correct media for your cell type
EDTA	ThermoFisher Scientific	03690-100ML	
Fetal bovine serum	Sigma Aldrich	F4135	
HEK cells	ATCC	CRL-1573	Use the relevant cell type for your experiments. HEK cells tend to transfect very efficiently.
HeLa cells	ATCC	CRL-12401	Use the relevant cell type for your experiments.
Lipofectamine 3000 and P3000 enhancer	ThermoFisher Scientific	L3000001	Use the correct reagent for your cell type; transfection and enhancer reagent
LSRFortessa flow cytometer	BD Biosciences	N/A	
MEM Non-Essential Amino Acids Solution	Gibco	11140050	
Microcentrifuge Tubes, 1.5 mL	Any company of choice		
Opti-MEM	ThermoFisher Scientific	31985070	reduced serum medium
Phosphate buffered saline	ThermoFisher Scientific	70011044	
Rainbow calibration beads	Spherotech	URCP-100-2H	

Sodium azide	Sigma Aldrich	S2002	
Trypsin	VWR	25-053-CI	