

Materials List for:

# Identification of Transcription Factor Regulators using Medium-Throughput Screening of Arrayed Libraries and a Dual-Luciferase-Based Reporter

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## Materials

Name	Company	Catalog Number	Comments
2.0 ml 96-well deep well polypropylene plate	USA Scientific	1896-2000	For bacterial mini-prep
Trypsin - 2.50%	Gibco	15090-046	Component of trypsin-EDTA
96 well flat bottom white assay plate	Corning	3922	For dual-luciferase assay
Ampicillin - 100 mg/ml	Sigma-Aldrich	45-10835242001-EA	For bacterial mini-prep
Bacto-tryptone - powder	Sigma-Aldrich	95039	Component of LB broth
Dual-luciferase reporter assay system, which include LAR II reagent (reagent A), Stop & Glo substrate (reagent B substrate) and Stop & Glo buffer (reagent B buffer) - Kit	Promega	E1960	For dual-luciferase assay
Dulbecco's phosphate buffered saline w/o calcium, magnesium and phenol red - 9.6 g/L	Himedia	TS1006	For PBS
EDTA - 0.5 M	VWR	97061-406	Component of trypsin-EDTA
Ethanol - 100%	Pharmco-AAPER	111000200	For bacterial mini-prep
Foetal Bovine Serum - 100%	VWR	97068-085	Component of complete growth media
Hexadimethrine bromide (Polybrene) - 8 mg/ml	Sigma-Aldrich	45-H9268	For virus infection
HyClone DMEM/High glucose - 4 mM L-Glutamine; 4500 mg/L glucose; sodium pyruvate	GE Healthcare life sciences	SH30243.01	Component of complete growth media
I3-P/i3 Multi-Mode Microplate/EA	Molecular devices		For dual-luciferase assay
L-Glutamine - 200 mM	Gibco	25030-081	Component of complete growth media
Lipofectamine 3000 (Transfection Reagent 2) - 100%	Life technologies	L3000008	For transfections
Molecular Biology Water - 100%	VWR	02-0201-0500	For dilution of shRNA vector for virus packaging
NaCl - powder	BDH	BDH9286	Component of LB broth
NanoDrop One Microvolume UV-Vis Spectrophotometer	Thermo scientific		For measuring vector DNA concentration
Opti-MEM (Transfection Buffer) - 100%	Gibco	31985-062	For transfections
Penicillin Streptomycin - 10,000 Unit/ml (Penicillin); 10,000 µg/ml (Streptomycin)	Gibco	15140-122	Component of complete growth media

PureLink Quick Plasmid Miniprep Kit - Kit	Thermo Fisher Scientific	K210010	For bacterial mini-prep
Puromycin - 2.5 mg/ml	Sigma-Aldrich	45-P7255	For antibiotic selection after infection
TC20 automated cell counter	Bio-Rad		For cell counting
X-tremeGENE 9 DNA transfection reagent (Transfection Reagent 1) - 100%	Roche	6365787001	For virus packaging
Yeast extract - powder	VWR	J850	Component of LB broth
P3000 (Transfection Reagent 3) - 100%	Life technologies	L3000008	For transfections