

Materials List for:

Transduction-Transplantation Mouse Model of Myeloproliferative Neoplasm

Thanh Kim Nguyen¹, Sarah J. Morse¹, Angela G. Fleischman¹

¹Department of Medicine, Division of Hematology/Oncology, University of California, Irvine

Correspondence to: Angela G. Fleischman at agf@uci.edu

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Materials

Name	Company	Catalog Number	Comments
Cell Lines			
DMEM	Corning	MT-10-013-CV	
293T cells	ATCC	CRL-11268	
3T3 cells	ATCC	CRL-1658	
Plasmids			
EcoPak, also known as pCL-Eco	Addgene	12371	Retroviral packaging cell lines, such as EcoPack 2-293, may be used in place of the EcoPak plasmid and standard 293T cells. Additional γ -retrovirus envelope and packaging plasmids are available from Addgene and others.
MSCV-IRES-GFP (MIG)	Addgene	20672	Additional γ -retroviral transfer plasmids are available from Addgene and others.
Consumables			
27 G x 1/2" needles	BD	305620	
Fetal bovine serum	Corning	MT-35-010-CV	
Penicillin/streptomycin/L-glutamine	Corning	MT-30-009-CI	
Trypsin-EDTA (0.05%)	Corning	MT-25-052-CI	Can be homemade
PBS	Corning	MT-21-031-CV	
10 cm dishes	Fisher	172931	
15 ml conical tubes	Fisher	12565268	
60 mm dishes	Fisher	150288	
Polybrene	Fisher	NC9840454	
5-FU	Fisher	A13456-06	
100 μ m cell strainers	Fisher	22363549	
50 ml conical tubes	Fisher	12565270	
6-well plate	Fisher	130184	
FACS tubes	Fisher	14-959-5	
0.45 μ m syringe filters	Fisher	0974061B	
Opti-MEM	Gibco	31985-070	
ACK buffer	Lonza	10-548E	Can be homemade
Recombinant murine IL-3	Peprtech	213-13	
Recombinant murine IL-6	Peprtech	216-16	
Recombinant murine SCF	Peprtech	250-03	
X-tremeGENE 9	Roche	6365809001	Transfection reagent

1.5 ml centrifuge tubes	USA Scientific	1615-5500	
Equipment			
BD Accuri C6			
X-ray irradiator			