

Materials List for:

Merkel Cell Polyomavirus Infection and Detection

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URL: <https://www.jove.com/video/58950>

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Materials

Name	Company	Catalog Number	Comments
Fetal calf serum	HyClone	SH30071.03	
MEM Non-Essential Amino Acids Solution, 100X	Thermo Fisher Scientific	11140050	
GLUTAMAX I, 100X	Thermo Fisher Scientific	35050061	L-Glutamine
DPBS, no calcium, no magnesium	Thermo Fisher Scientific	14190136	
0.05% Trypsin-EDTA	Thermo Fisher Scientific	25300-054	
DMEM/F12 medium	Thermo Fisher Scientific	11330-032	
Recombinant Human EGF Protein, CF	R&D systems	236-EG-200	Store at -80 degree celsius
CHIR99021	Cayman Chemical	13122	Store at -80 degree celsius
CHIR99021	Sigma	SML1046	Store at -80 degree celsius
Collagenase type IV	Thermo Fisher Scientific	17104019	
Dispase II	Roche	4942078001	
Antibiotic-Antimycotic	Thermo Fisher Scientific	15240-062	Protect from light
DMEM medium	Thermo Fisher Scientific	11965084	
Alexa Fluor 594 goat anti-mouse IgG	Thermo Fisher Scientific	A11032	Protect from light
Alexa Fluor 488 goat anti-rabbit IgG	Thermo Fisher Scientific	A11034	Protect from light
OptiPrep Density Gradient Medium	Sigma	D1556	Protect from light
Paraformaldehyde	Sigma	P6148	
anti-MCPyV LT (CM2B4)	Santa Cruz	sc-136172	Lot # B2717
MCV VP1 rabbit		Rabbit polyclonal serum #10965	https://home.ccr.cancer.gov/lco/BuckLabAntibodies.htm
Hygromycin	Roche	10843555001	
Basic Fibroblast Growth Factors (bFGF), Human Recombinant	Corning	354060	Store at -80 degree celsius
Benzonase Nuclease	Sigma	E8263	
Plasmid-Safe ATP-Dependent DNase	EPICENTRE	E3101K	
Probe hybridization buffer	Molecular technologies		
Probe wash buffer	Molecular technologies		
Amplification buffer	Molecular technologies		
Alexa 594-labeled hairpins	Molecular technologies	B4	Protect from light
Triton X-100	Sigma	X100	

Quant-iT PicoGreen dsDNA Reagent	Thermo Fisher Scientific	P7581	
BamHI-HF	NEB	R3136	
Buffer PB	Qiagen	19066	
blue miniprep spin column	Qiagen	27104	
50mL Conical Centrifuge Tubes	Corning	352070	
T4 ligase	NEB	M0202T	
MagicMark XP	Thermo Fisher Scientific	LC5602	