

Materials List for:

Isolation of Murine Peritoneal Macrophages to Carry Out Gene Expression Analysis Upon Toll-like Receptors Stimulation

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Materials

Name	Company	Catalog Number	Comments
C57BL/6 mice	Charles River Laboratories, Inc. (Wilmington, MA, USA)	475	
Thioglycollate	Sigma-Aldrich, (St. Louis, MO)	19032-500G	
70% ethanol			
10% sodium pentobarbital (Used for mice anesthesia (80 mg/kg, i.p.))			
Dulbecco's phosphate-buffered saline (DPBS), placed on ice and will serve to harvest macrophages	WISENT INC Canada (QC)	311-425-CL	
RPML medium 1640 (Supplement with penicillin, streptomycin, L-glutamine, and 10 % fetal calf serum).	WISENT INC Canada (QC)	350-000-CL	
1 and 5 ml syringes	BD USA (NJ)	309659	
6-well plates	Corning Incorporated (NY, USA)	MCT-150-C	
Bacterial lipoprotein Pam3CSK4 (0.5 mg/ml)	InvivoGen (San Diego, USA)	TLRL-pm25	
Polyionosine-polycytidylic acid (Poly(I:C)) (10 mg/ml)	InvivoGen (San Diego, USA)	TLRL-PIC	
LPS from Escherichia coli 055:B5 (100 ng/ml)	InvivoGen (San Diego, USA)	L2880	
Purified flagellin from Salmonella typhimurium (100 ng/ml)	InvivoGen (San Diego, USA)	TLR-FLIC-10	
Lipoprotein synthetic FSL1 (100 ng/ml)	InvivoGen (San Diego, USA)	TLR-FSL	
ssRNA derived from the HIV-1 long terminal repeat ssRNA40 (1 µg/ml)	InvivoGen (San Diego, USA)	TLR-LRNA-40	
Type B CpG oligonucleotide ODN1826 (1 µM)	InvivoGen (San Diego, USA)	11B16-MM	
TRIzol	Invitrogen, (Burlington, ON, Canada)	15596-026	
20 G and 23 G needles	BD USA (NJ)	305175	
Scissor			
Forceps			
50 ml conical tubes placed on ice	Sarstedt (Newton, MA, USA)	62.547.205	
Red Blood Cells Lysis Buffer	Sigma-Aldrich, (St. Louis, MO)	R7757-100ML	
Refrigerated centrifuge			
Hemocytometer			

F4/80 antibody	BIO-RAD (CA, USA)	MCA497APC	
CD16/CD32 antibodies	Pharmingen, {Mississauga, ON, CA)	553141	
Flow cytometer	Coulter Epics Elite counter, Coulter, (Hialeah, FL,USA)		
1.5 ml Eppendorf tubes	Axygen Scietific (CA,USA)	3516	
Chloroform	Fisher Scientific (ON, Canada)	UN1888	
Isopropyl alcohol	JT Baker (PA, USA)	70566	
75% ethanol (in DEPC treated water)	Commercial Alcohols (QC, Canada)	17394	
0.01% diethyl pyrocarbonate (DEPC) treated water (let stand overnight and autoclave)	Sigma-Aldrich, (St. Louis, MO)	216.542.8	
Omniscript RT-PCR system	Qiagen, (Mississauga, ON, Canada)	205113	
Rotor Gene 3000	Montreal Biotech, (Kirkland, QC, Canada)		
QuantiTect SYBR Green I PCR kits	Qiagen, (Mississauga, ON, Canada)	204141	