

Materials List for:

Experimental Infection with *Listeria monocytogenes* as a Model for Studying Host Interferon- γ Responses

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Materials

Name	Company	Catalog Number	Comments
Brain Heart Infusion Broth, Modified	BD	299070	any brand should be appropriate
Agar	BD	214010	any brand should be appropriate
Triton X-100	Sigma-Aldrich	X100	any brand should be appropriate
1x PBS	Sigma	D8537	any brand should be appropriate
TissueLyser II	Qiagen	85300	any brand should be appropriate
Ammonium Chloride (NH ₃ Cl)			any brand should be appropriate
KHCO ₃			any brand should be appropriate
Na ₂ EDTA			any brand should be appropriate
RPMI 1640	Gibco	22400089	any brand should be appropriate
Fetal Bovine Serum	Gibco	12483	Before use, heat-inactivate at 56 °C for 30 min
L-glutamine	Gibco	25030	any brand should be appropriate
Non-essential amino acids	Gibco	11140	any brand should be appropriate
Penicillin/Streptomycin	Gibco	15140	any brand should be appropriate
GolgiStop Protein Transport Inhibitor (containing Monensin)	BD	554724	Use 4 μ l in 6 ml cell culture
16% Paraformaldehyde	Electron Microscopy Sciences	15710	Dilute to 4% PFA in ddH ₂ O or 1x PBS
10x Perm/Wash buffer	BD	554723	Dilute 1x in ddH ₂ O
Fc block, Anti-Mouse CD16/CD32 Purified	eBioscience	14-0161	Dilute 1:50
Fixable Viability Dye eFluor 506	eBioscience	65-0866	Dilute 1:1,000 (we have also used viability dyes from Molecular Probes)
anti-Mouse CD4-PE-Cy5 (GK1.5)	eBioscience	15-0041	Manufacturer recommends a certain test size; however this should be titrated before use.
anti-Mouse CD8-FITC (53-6.7)	eBioscience	11-0081	Manufacturer recommends a certain test size; however this should be titrated before use.
PBS57/mCD1d tetramer-APC	NIH Tetramer Core Facility	N/A	Obtained as a gift from the facility
anti-Mouse TCR β -PE-Cy7 (H56-597)	eBioscience	25-5961	Manufacturer recommends a certain test size; however this should be titrated before use.

anti-Mouse NKp46-APC-eFluor780 (29A1.4)	eBioscience	47-3351	Manufacturer recommends a certain test size; however this should be titrated before use.
anti-Mouse CD45 PE-Cyanine7 (30-F11)	eBioscience	25-0451	Manufacturer recommends a certain test size; however this should be titrated before use.
anti-Mouse IFN gamma-PE (XMG1.2)	eBioscience	12-7311	Manufacturer recommends a certain test size; however this should be titrated before use.
OneComp eBeads	eBioscience	01-1111	Use one drop per stain
Mouse IFN gamma ELISA kit	eBioscience	88-7314	Used for measuring the interferon gamma in the culture supernatant
50 ml vented tubes for culture			Used for culturing the bacteria, any brand should be appropriate
1.5 ml microcentrifuge tubes			any brand should be appropriate
bacterial petri dishes			any brand should be appropriate
2 ml cyrovials			any brand should be appropriate
UV spectrometer			any brand should be appropriate
safety engineered needles			any brand should be appropriate
C57BL/6J	Jackson laboratories	Stock#000664	Order for arrival at 7 weeks
Bleach			For decontamination
70% Ethanol			For decontamination
Glass beads			any brand should be appropriate
Centrifuge			rotor, buckets, bucket covers.
Microcentrifuge			any brand should be appropriate
Sterile Glycerol			any brand should be appropriate
Pipette Tips			any brand should be appropriate
Pipette			any brand should be appropriate
Surgical instruments			any brand should be appropriate
70 micron strainers			any brand should be appropriate
3 ml syringe			any brand should be appropriate
Pipette gun			any brand should be appropriate
Filtration Units			any brand should be appropriate
Trypan Blue			Dilute 1 to 9 in ddH ₂ O, any brand should be appropriate
Hemocytometer			any brand should be appropriate
Round bottomed plates			any brand should be appropriate
FACs tubes	Fisher Scientific	14-959-5	
BD LSR II	BD		Any flow cytometer could be used for acquisition that has an appropriate laser configuration and filter set to discriminate the fluorochromes
Flowjo software	Treestar		Used for data analysis. Other types of data analysis software will also be appropriate
Multichannel pipettor (0 - 300 µl)	Eppendorf		Used for washing cells and adding antibodies during flow cytometry staining
Acetic Acid			Used for washing glass beads, any brand should be appropriate

Microbank Bacterial Preservation System	Pro-lab Diagnostics		Used as an alternative to glycerol stocks for long-term storage of bacteria
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