

Materials List for:

In Vivo Assessment of Alveolar Macrophage Efferocytosis Following Ozone Exposure

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Materials

Name	Company	Catalog Number	Comments
Annexin V-FITC Kit	Trevigen	4830-250-K	The TACS Annexin V-FITC Kit allows rapid, specific, and quantitative identification of apoptosis in individual cells when using flow cytometry.
BCL2 Jurkat T Cells	ATCC	ATCC CRL-2899	The BCL2 Jurkat cell line was derived by transfecting human Jurkat T cells with the pSFFV-neo mammalian expression vector containing the human BCL-2 ORF insert and a neomycin-resistant gene. Has been for models of measuring efferocytosis.
Countess II Automated Cell Counter	Thermofisher	AMQAX1000	It is a benchtop assay platform equipped with state-of-the- art optics, full autofocus, and image analysis software for rapid assessment of cells in suspension. Very easy to use.
Cytospin 4 Cytocentrifuge	Thermofisher	A78300003	Provides economical thin-layer preparations from any liquid matrix, especially hypocellular fluids such as bronchoalveolar lavage fluid.
Fetal Bovine Serum, qualified, heat inactivated	Thermofisher	16140071	Provides Nutrients to cultured cells for them to grow. It is standard for cell culture.
Kwik-Diff Reagent 2, Eosin	Thermofisher	9990706	Eosin staining that stains cytoplasm.
Kwik-Diff Reagent 1, Fixative	Thermofisher	9990705	Fixes cells to be stained by H&E.
Kwik-Diff Reagent 3, Methylene Blue	Thermofisher	9990707	Methylene Blue staining that stains the nucleus.
Penicillin-Streptomycin	Sigma/Aldrich	P0781-100ML	Penicillin-Streptomycin is the most commonly used antibiotic solution for culture of mammalian cells. Additionally it is used to maintain sterile conditions during cell culture.
RPMI 1640 Medium, GlutaMAX Supplement	Thermofisher	61870036	RPMI 1640 Medium (Roswell Park Memorial Institute 1640 Medium) was originally developed to culture human leukemic cells in suspension and as a monolayer. RPMI 1640 medium has since been found suitable for a variety of mammalian cells, including HeLa, Jurkat, MCF-7, PC12, PBMC,

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			astrocytes, and carcinomas. Helps grow Jurkat T cells fast and efficiently.
Stratagene UV Stratalinker 1800 UV Crosslinker	Cambridge Scientific	16659	The Stratalinker UV crosslinker is designed to induce apoptosis, crosslink DNA or RNA to nylon, nitrocellulose, or nylon-reinforced nitrocellulose membranes.
Teledyne T400 ultraviolet light photometer	Teledyne API	T400	The Model T400 UV Absorption analyzer uses a system based on the Beer-Lambert law for measuring low ranges of ozone in ambient air.
Teledyne T703 Ozone calibrator	Teledyne API	T703	Provides feedback control of the UV lamp intensity, assuring stable ozone output.