

Materials List for:

Analysis of the Ambient Particulate Matter-induced Chromosomal Aberrations Using an *In Vitro* System

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Materials

Name	Company	Catalog Number	Comments
Total suspended particulate sampler	Tisch Environmental	TE-5170	
Bruker Avance III NMR spectrometer	Bruker	NA	
TopSpin 3.5/pl2 software	Bruker	NA	
ACD/NMR Processor Academic Edition	ACD/Labs	NA	
RAW264.7 murine macrophages	ATCC	ATCC TIB-71	
High glucose DMEM GlutaMAX media	ThermoFisher	10569010	Warm in a 37 °C waterbath before use
Fetal Bovine Serum	ThermoFisher	16000044	Warm in a 37 °C waterbath before use
Penicillin-Streptomycin (10,000 U/ml)	ThermoFisher	15140163	Warm in a 37 °C waterbath before use
Trypsin-EDTA (0.25%)	ThermoFisher	25200056	Warm in a 37 °C waterbath before use
PBS, pH 7.4	ThermoFisher	10010049	Warm in a 37 °C waterbath before use
KaryoMAX Colcemid Solution in PBS	ThermoFisher	15212012	Warm in a 37 °C waterbath before use
KaryoMAX Potassium Chloride Solution	ThermoFisher	10575090	Warm in a 37 °C waterbath before use
Methanol (HPLC)	Fisher Scientific	A452N1-19	
Acetic Acid, Glacial	Fisher Scientific	BP1185-500	
Decon Contrad 70 Liquid Detergent	Fisher Scientific	04-355-1	
Wright and Wright-Giemsa Stain Solutions	Fisher Scientific	23-200733	
Permunt Mounting Medium	Fisher Scientific	SP15-100	
Axio Imager 2	Zeiss	NA	