

Materials List for:

Using Mouse Mammary Tumor Cells to Teach Core Biology Concepts: A Simple Lab Module

Victoria McIlrath¹, Alice Trye¹, Ann Aguanno¹

¹Department of Natural Sciences, Marymount Manhattan College

Correspondence to: Ann Aguanno at aaguanno@mmm.edu

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Materials

Name	Company	Catalog Number	Comments
Tissue Culture Hood	ESCO Labculture Reliant		Class II Type A2 Biological Safety Cabinet
Waterjactor CO ₂ Incubator	CEDCO	Model 1510	
Bright-line Hemocytometer	American Optical		with two separate grids
Motic Images Plus			Mac OSX Verison 2.0 or higher
Gilson Pipetman	Rainin instrument co. inc		P-20D, P-200D, P-1000D
CK30/CK40 Culture Microscope	Olympus		4 objective inverted light microscope with camera
200 µl Pipet tips	MidSci	40200C	
1,000 µl Pipet tips	MidSci	AVR4	
10 ml Seriological Pipets	TPP	TP94010	
24 well plates	CoStar- Tissue Culture Cluster	3524	24 wells, 16 mm well diameter, radiation sterilized
Trypan Blue Solution 0.4%	Sigma	T8154	100 ml, cell culture tested non-haz
Bright-line Hemacytometer replacement coverslip, non-haz	Sigma	Z375357	
Mouse Mammary Tumor(MMT) cells	ATCC	CCL-51	
Eagle Minimum Essentail Medium (EMEM)	ATCC	30-2003	500 ml
Fetal Bovine Serum	Sigma	F0926	500 ml
Metformin Hydrochloride	Sigma	PHR1084	500 mg
Tamoxifen	Sigma	T5648	white or white-yellow powder
Curmumin	Sigma	C1386	yellow-orange powder
Aspirin	Sigma	A2093	meets USP testing specifications