

Materials List for:

Mass Spectrometry and Luminogenic-based Approaches to Characterize Phase I Metabolic Competency of *In Vitro* Cell Cultures

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URL: <https://www.jove.com/video/55502>

DOI: [doi:10.3791/55502](https://doi.org/10.3791/55502)

Materials

Name	Company	Catalog Number	Comments
Reagent & Cells			
2 µm syringe filter	Whatman	UN203NPEORG	
24 well plate	Corning	3524	
4-methylumbelliferone	Sigma Aldrich	M1381	
5-phenyl pentyne	Sigma Aldrich	CD5001437	
6-hydroxybupropion	Sigma Aldrich	H3167	
6-hydroxychlorzoxazone	Sigma Aldrich	UC148	
7-ethoxycoumarin	Sigma Aldrich	195642	
7-hydroxycoumarin	Sigma Aldrich	H24003	
8-methoxypsoralen	Sigma Aldrich	M3501	
acetic acid	Sigma Aldrich	695092	
acetonitrile	Fisher	A/0626/17	
α-naphthoflavone	Sigma Aldrich	N5757	
BCA kit	Thermo Scientific	23227	
β-glucuronidase/arylsulfatase	Sigma Aldrich	G0876	
Bupropion	Sigma Aldrich	B102	
Carbamazepine	Sigma Aldrich	C4024	
chlorzoxasone	Sigma Aldrich	C4397	
collagen	Cell Systems	5005-B	
coumarin	Sigma Aldrich	C4261	
disulfiram	Sigma Aldrich	86720	
fluvoxamine	Sigma Aldrich	F2802	
Glutamax (Glutamine supplement)	Fisher	35050061	
HepaRG metabolism supplement	Merck	MMAD621	
HepaRG thaw media supplement	Merck	MMADD671	
HepaRG	Merck	MMHPR116	
Luciferin-CEE	Promega	V8751	
methanol	Fisher	M/4056/17	
MucilAir airway cells	Epithelix	EP01	
MucilAir airway cells maintenance media	Epithelix	EP04MM	
Phenomenex Kinetex 2.6 µm, PFP 100A	Phenomenex	00B-4477-AN	
TCDD	Sigma Aldrich	48599	
thioTEPA	Sigma Aldrich	T6069	

Waters Acquity UPLC HSS T3 1.8 μ m 2.1 x 50 mm	Waters	86003538	
Williams' E media	Fisher	17704-024	
Name	Company	Catalog Number	Comments
Equipment			
UPLC	Waters	Acquity	
QTRAP MS	Sciex	ABI Sciex 4000	
QTRAP MS software	Sciex	Analyst 1.4.2	
luminometer	Molecular Devices	SpectraMax M3	
spectrophotometer	Molecular Devices	SpectraMax M3	
cell counter	Beckman Coulter	Vi-Cell XR	
rotary evaporator	Eppendorf	Eppendorf-5301	