

Identification of EGFR and RAS Inhibitors using *Caenorhabditis elegans*

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Materials

Name	Company	Catalog Number	Comments
Media and chemicals			
Agarose	Millipore Sigma	A9539-50G	
Bacto Peptone	Fisher Scientific	DF0118-17-0	
BD Difco Agar	Fisher Scientific	DF0145-17-0	
BD Difco LB Broth	Fisher Scientific	DF0446-17-3	
Calcium Chloride	Fisher Scientific	BP510-500	
Cholesterol	Fisher Scientific	ICN10138201	
Magnesium Sulfate	Fisher Scientific	BP213-1	
Nystatin	Acros organics	AC455500050	
Potassium Phosphate Dibasic	Fisher Scientific	BP363-500	
Potassium pPhosphate Monobasic	Fisher Scientific	BP362-500	
R-Fendiline			Commercially Synthesized (Pharmaceutical grade)
Sodium Azide	Millipore Sigma	S2002-25G	
Sodium chloride	Fisher Scientific	BP358-1	
Sodium Hydroxide	Fisher Scientific	SS266-1	
8.25% Sodium Hypochlorite			Bleach
Sodium Phosphate Dibasic	Fisher Scientific	BP332-500	
Streptomycin Sulfate	Fisher Scientific	BP910-50	
(-)-Tetramisole Hydrochloride	Millipore Sigma	L9756	
UO126 (MEK inhibitor)	Millipore Sigma	19-147	
Consumables			
15mL Conical Sterile Polypropylene Centrifuge Tubes	Fisher Scientific	12-565-269	
50mL Conical Sterile Polypropylene Centrifuge Tubes	Fisher Scientific	12-565-271	
Disposable Polystyrene Serological Pipettes 10mL	Fisher Scientific	07-200-574	

Disposable Polystyrene Serological Pipettes 25mL	Fisher Scientific	07-200-575	
No. 1.5 18 mm X 18 mm Cover Slips	Fisher Scientific	12-541A	
Petri Dish with Clear Lid (60 x 15 mm)	Fisher Scientific	FB0875713A	
Petri Dishes with Clear Lid (100X15mm)	Fisher Scientific	FB0875712	
Plain Glass Microscope Slides (75 x 25 mm)	Fisher Scientific	12-544-4	
12- Well Tissue Culture Plates	Fisher Scientific	50-197-4804	
Software			
Prism	Graphpad		
Bacterial Strains			
<i>E. coli</i> OP50			
Worm Strains			
Strain	Genotype	Transgene	Source
MT2124	<i>let-60(n1046) IV.</i>		CGC
MT7567	<i>lin-1(sy254) IV.</i>		CGC
PS1839	<i>let-23(sa62) II.</i>		CGC