



Prepare NGM plates with fungizone

Research Cancer UK / Wellcome Gurdon Institute media kitchen¹

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Working



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ABSTRACT

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MATERIALS

NAME ▾	CATALOG # ▾	VENDOR ▾
Petri Dish	LI-PD01100	P212121
Calcium Chloride		
Magnesium Sulfate Heptahydrate Certified AR for Analysis Fisher Chemical	M/1050/53	Fisher Scientific
Potassium Dihydrogen Orthophosphate Certified AR for Analysis Fisher Chemical	P/4800/53	Fisher Scientific
NGM medium	View	
cholesterol	View	
fungizone	View	

SAFETY WARNINGS

Make sure you know how to use the autoclave before starting this protocol.

1 NGM+Fungizone_plates(1L).xls

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Ingredients		Quantity
NGM Media		1L
Cholesterol 5mg/ml	1ml	
1M CaCl ₂		1ml
1M MgSO ₄		1ml
1M KH ₂ PO ₄		25ml
Petri dish	30mm	as required
	50mm	as required
	90mm	as required
Fungizone	400 microlitres	1 microtubbe

First thing in the morning, melt 1L NGM in autoclave
Once melted, place in water bath set at 58oC, leave until cooled (-at least 2hours) normally left until the afternoon.
Set out the plates on bench before starting pouring process.
Put melted NGM media on stirrer
Using 1ml gilson add the Cholesterol,replace the lid and return to the bench to give a good stir to dispense all the cholesterol.
Add the KH2PO4 using sterile 50ml syringe and 0.22µm filter.
Stir for a few seconds until well mixed. Add Fungizone ensuring all is added to the NGM.
Dispense media using a peristaltic pump. Add 4.20ml in 30mm plates, 9.00ml in 50mm plates, 4.50ml in 6 well plates and 2.5ml in 12 well plates. When set stack upside down in plastic trays.



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