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Prepare NGM no peptone plates V.2

Cancer Research UK / Wellcome Gurdon Institute media kitchen[1]

[1]Cancer Research UK / Wellcome Trust Gurdon Institute

1 Works for me dx.doi.org/10.17504/protocols.io.5sng6de

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ABSTRACT

Prepare NGM plates without peptone.

Peptone is necessary for bacterial growth and thus by not adding peptone, one can control for the number of bacteria present on an NGM plate by seeding a known number of bacteria.

MATERIALS

NAME	CATALOG #	VENDOR
double distilled water (ddH2O)		
Sodium chloride meets analytical specification of Ph.Eur Fisher Chemical	S/3160/65	Fisher Scientific
SYCHEM autoclave	View	Syschem
Agar	AGA02	Formedium

SAFETY WARNINGS

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

1 NGM No Peptone agar_5L.xls

2

Ingredients	Quantity	
NaCl		15g
Double distilled H2O	4.8L	
Agar	per 1L bottle	17g
Agar	per 500ml bottle	8.5g

3

Measure approx 4.8L double distilled H2O in 5L bell jar with a magnetic flea.
Add NaCl
Stir until all solutes are dissolved.
Dispense approx 972ml NGM media per 1L bottle OR 486ml NGM into a 500ml bottle.
Dispense 17g of agar and a magnetic flea to each 1L bottle OR 8.5g of agar and a magnetic flea to each 500ml bottle.
Label, date and autoclave.

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