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SOC Medium

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Protocol status: Working

We use this protocol and it's working

Created: September 23, 2019

Last Modified: September 23, 2019


Protocol Integer ID: 27988

Guidelines

Mixture must be autoclaved before use.


Materials

MATERIALS

 Magnesium Sulfate (MgSO₄) Solution - 6.0 ml **New England Biolabs Catalog #B1003S**

 Distilled Water

 KCl

 MgCl₂

 NaCl **Sigma Aldrich Catalog #53014**

 Tryptone **Fisher Scientific Catalog #BP1421-500**

 Glucose **Sigma Aldrich Catalog #G8270**

 Yeast Extract **Thermo Fisher Catalog #211930**

1 Add SOC medium components in a 1 L autoclavable. SOC medium components (1 L):

Tryptone	2% w/v
Yeast Extract	0.5% w/v
NaCl	10 mM
KCl	2.5 mM
MgCl ₂ · 6H ₂ O	10 mM
MgSO ₄ · 6H ₂ O	10 mM
Glucose	20 mM

2 Add 1 L of distilled water into the bottle.

3 Vigorously shake the bottle.

4 Place the bottle into the autoclave and sterilize.