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SOC Medium

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Works for me

[dx.doi.org/10.17504/protocols.io.7juhknw](https://doi.org/10.17504/protocols.io.7juhknw)

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GUIDELINES

Mixture must be autoclaved before use.

MATERIALS

NAME ▾	CATALOG # ▾	VENDOR ▾
Magnesium Sulfate (MgSO ₄) Solution - 6.0 ml	B1003S	New England Biolabs
Distilled Water		
KCl		
MgCl ₂		
NaCl	53014	Sigma Aldrich
Tryptone	BP1421-500	Fisher Scientific
Glucose	G8270	Sigma Aldrich
Yeast Extract	211930	Thermo Fisher

- 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.



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