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# Protocol for Preparing SOC

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Works for me

This protocol is published without a DOI.

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## PROTOCOL CITATION

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<https://protocols.io/view/protocol-for-preparing-soc-bqugmwtw>



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## CREATED

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## LAST MODIFIED

Dec 17, 2020

## PROTOCOL INTEGER ID

45672

## MATERIALS TEXT

Tryptone  
Yeast Extract  
NaCl  
KCl  
MgCl<sub>2</sub>  
MgSO<sub>4</sub>  
Glucose

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1 Total Volume = 100ml

2 Weigh 2g of Tryptone into a 150 ml beaker  
Add 0.5g of Yeast Extract  
Add 0.058g of NaCl [10mM]  
Add 0.019g KCl [2.5mM]

Add 1 mL 2M  $\text{MgCl}_2$  [10mM]

Add 0.12g  $\text{MgSO}_4$  [10mM]

Top up with distilled water to reach the 100ml mark

3 Autoclave solution at 121°C, 0.1MPa for 15 -20 minutes

4 Allow the solution to cool to about 50°C  
Add 0.396g of Glucose [20mM]

5 Sterilize the final solution by passing it through a 0.2  $\mu\text{m}$  filter.

SOC medium can be stored at room temperature and is stable for several years.