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# 🌐 (Mick's) Trial K<sup>+</sup> minimal Media Recipe, 1\_16\_2019

Elizabeth Fozo<sup>1</sup><sup>1</sup>In-house protocol

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Works for me

This protocol is published without a DOI.



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## ABSTRACT

Trial K<sup>+</sup> minimal Media Recipes

## PROTOCOL CITATION

Elizabeth Fozo 2020. (Mick's) Trial K<sup>+</sup> minimal Media Recipe, 1\_16\_2019. [protocols.io](https://protocols.io/view/mick-39-s-trial-k-minimal-media-recipe-1-16-2019-bqmyu7w)  
<https://protocols.io/view/mick-39-s-trial-k-minimal-media-recipe-1-16-2019-bqmyu7w>

## KEYWORDS

Trial K<sup>+</sup> minimal Media , K<sup>+</sup> Media

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## CREATED

Dec 11, 2020

## LAST MODIFIED

Dec 11, 2020

## PROTOCOL INTEGER ID

45464

## GUIDELINES

5X M9 Media without K

1L of Trial K<sup>+</sup> Minimal Media250mL of Trial K<sup>+</sup> Minimal Media

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## ABSTRACT

Trial K<sup>+</sup> minimal Media Recipes

5X M9 Media without K

1 33.9g/L Na<sub>2</sub>HPO<sub>4</sub>  
5g/L NH<sub>4</sub>Cl

2.5g/L NaCl  
15g NaH<sub>2</sub>PO<sub>4</sub> (was KH<sub>2</sub>PO<sub>4</sub>)

#### 1L of Trial K+ Minimal Media

- 2
  1. Add 200mL 5X M9 to 500mL MiliQ water.
    - 1mL of 1M MgSO<sub>4</sub> - 1mM final
    - 0.1mL of 10mg/mL Thiamine - 1ug/mL
    - 5mL of 80% glycerol - 0.4% final
    - 5mL of 10mg/mL AA mix 1 - 50ug/mL final
    - 5mL of 10mg/mL AA mix 2 - 50ug/mL final
    - 0.1mL of 1M CaCl<sub>2</sub> - 0.1mM final
    - 500mg AA mix 3
    - Check pH
  2. Fill with MiliQ water to 1L
  3. Filter with 0.2-micron filter

#### 250mL of Trial K+ Minimal Media

- 3
  1. Add 50mL 5X M9 to 150mL MiliQ water
    - 0.25mL of 1M MgSO<sub>4</sub> - 1mM final
    - 0.025mL of 10mg/mL Thiamine-1ug/mL final
    - 1.25mL of 80% glycerol - 0.4% final
    - 1.25mL of 10mg/mL AA mix 1-50ug/mL final
    - 1.25mL of 10mg/mL AA mix 2-50ug/mL final
    - 0.025mL of 1M CaCl<sub>2</sub> - 0.1mM final
    - 125mg AA mix 3
    - Check pH
  2. Fill with MiliQ water to 250mL
  3. Filter with 0.2-micron filter