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 1M KPO<sub>4</sub> pH6.0

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Ida Barlow<sup>1</sup>

<sup>1</sup>Imperial College London

Behavioural Genomics



Ida Barlow

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**Protocol status:** Working

We use this protocol and it's working

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## Abstract


Protocol for making phosphate salt solution for adding to NGM

## Materials

### MATERIALS

 Potassium phosphate (dibasic) **P212121**

 Potassium phosphate (monobasic) **P212121**

 Potassium hydroxide **P212121**

## Troubleshooting




## Make 1M solutions of monobasic and dibasic salts

- 1 Prepare 1M solution dibasic salt:

 174.18 g  $\text{K}_2\text{HPO}_4$

 1 L water

- 2 Prepare 1M solutions of monobasic salt:


 136.09 g  $\text{KH}_2\text{PO}_4$


 1 L water

- 3 Autoclave both solutions and allow to cool

## Mix salts to achieve correct pH

- 4 Mix prepared salt solutions to achieve 1M  $\text{KPO}_4$  solution close to pH6:

 100 mL 1M  $\text{K}_2\text{HPO}_4$  (dibasic)

 400 mL 1M  $\text{KH}_2\text{PO}_4$  (monobasic)

Adjust pH to pH6.0 using pH meter and addition of drops of KOH