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# 1M $KPO_4$ pH6.0

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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**

## Make 1M solutions of monobasic and dibasic salts

1 Prepare 1M solution dibasic salt:

174.18 g $K_2HPO_4$
1 L water

2 Prepare 1M solutions of monobasic salt:

136.09 g $KH_2PO_4$
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 $KPO_4$ solution close to pH6:

100 mL 1M $K_2HPO_4$ (dibasic)
400 mL 1M $KH_2PO_4$ (monobasic)

Adjust pH to phH6.0 using pH meter and addition of drops of KOH