1M KPO₄ pH6.0

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Behavioural Genomics

ABSTRACT

Protocol for making phosphate salt solution for adding to NGM

MATERIALS

- Potassium phosphate (dibasic) P212121
- Potassium phosphate (monobasic) P212121
- Potassium hydroxide P212121

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Protocol status: Working

We use this protocol and it's working

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Make 1M solutions of monobasic and dibasic salts

1. Prepare 1M solution dibasic salt:
   - 174.18 g K$_2$HPO$_4$
   - 1 L water

2. Prepare 1M solutions of monobasic salt:
   - 136.09 g KH$_2$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 KPO$_4$ solution close to pH6:
   - 100 mL 1M K$_2$HPO$_4$ (dibasic)
   - 400 mL 1M KH$_2$PO$_4$ (monobasic)

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