ABSTRACT
Protocol for making phosphate salt solution for adding to NGM

MATERIALS TEXT
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- Potassium phosphate (dibasic)
- Potassium phosphate (monobasic)
- Potassium hydroxide

ABSTRACT
Protocol for making phosphate salt solution for adding to NGM

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