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Phosphate buffered saline (PBS)

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Protocol status: Working

We use this protocol and it's working



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Abstract

PBS

Guidelines

Makes 1L of PBS

Materials

Scale

Weigh boat

1L beaker

Distilled water (dH₂O)

Sodium chloride (NaCl)

Potassium phosphate monobasic

Sodium phosphate dibasic

Hot plate

Stir bar

1L bottle

Safety warnings

 When heating the mixture on the hot plate, make sure to not turn on the heat until the glass beaker is on the plate. Hot plate + cold glass = a bad time!



Directions

- 1 Fill a 1L beaker with 800mL of dH₂O.
- 2 Weigh out 9g of NaCl, 3.8g of monobasic, and 10.2g of dibasic. Add these measurements to the beaker.
- 3 Add dH₂O until the final volume of the solution reaches 1L.
- 4 Place beaker onto the hot plate and heat the solution up to 60°C.
- 5 Add stir bar and stir the solution until clear. Pour into a bottle and keep refrigerated.