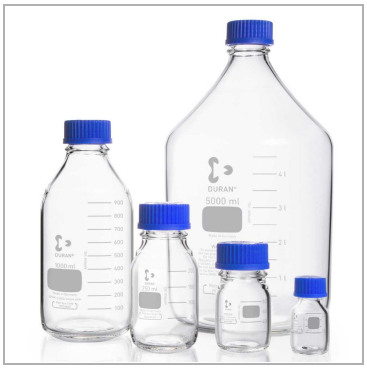

VERSION 2

FEB 21, 2023

OPEN ACCESS

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Protocol status: In development
We are still developing and optimizing this protocol

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Potassium phosphate buffer (0.9 M, pH 7.7) V.2

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ABSTRACT

Potassium phosphate buffers are buffers with a buffering capacity between 5.8 and 8.0, where it is possible to adjust the pH and buffer strength with different ratios of Sodium phosphate monobasic and Sodium phosphate dibasic.

MATERIALS

Scale
Magnetic stirrer
Filtering device

500 mL Phosphate buffer (0.9 M, pH 7.7)

5m

1 Fill a sterile 500 mL bottle with 400 mL distilled water

2 Measure 62.705 g Potassium phosphate dibasic and 11.568 g Potassium phosphate monobasic

Materials:
Potassium phosphate dibasic **Sigma-aldrich Catalog #P3786**
Potassium phosphate monobasic **Sigma-aldrich Catalog #P5379**

3 Add dry ingredients and mix for 00:05:00 5m

4 Fill to 500 mL with distilled water

5 Filter sterilize through a 0.2 µm filter and store refrigerated (4 °C)