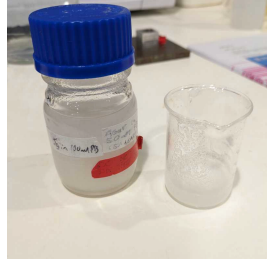


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BrainSaw agar stock solution

This protocol is a draft, published without a DOI.



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Protocol status: Working

We use this protocol and it's working

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Keywords: anatomy

Abstract

Making agar stock solution for serial sectioning imaging.




Materials

100 ml bottle

weighing scales


microwave for melting the agar

Protocol materials

 Agarose multipurpose, molecular biology grade **MP Biomedicals Catalog #11AGAP0100-CF**

Step 4

Safety warnings

 Hot agar can be painful but is not dangerous.



Before you start

- 1 You will need at least  100 mL of 50 mM PB.

Protocol



NAME

BrainSaw 50 mM pH 7.4 PB slicing buffer

CREATED BY


Rob Campbell


PREVIEW

Make the stock

- 2 Rinse out the 100 ml bottle in which the stock is kept.



3 Fill the bottle with  100 mL of 50 mM PB to the notched fill line.

4 Weigh out  5 g of



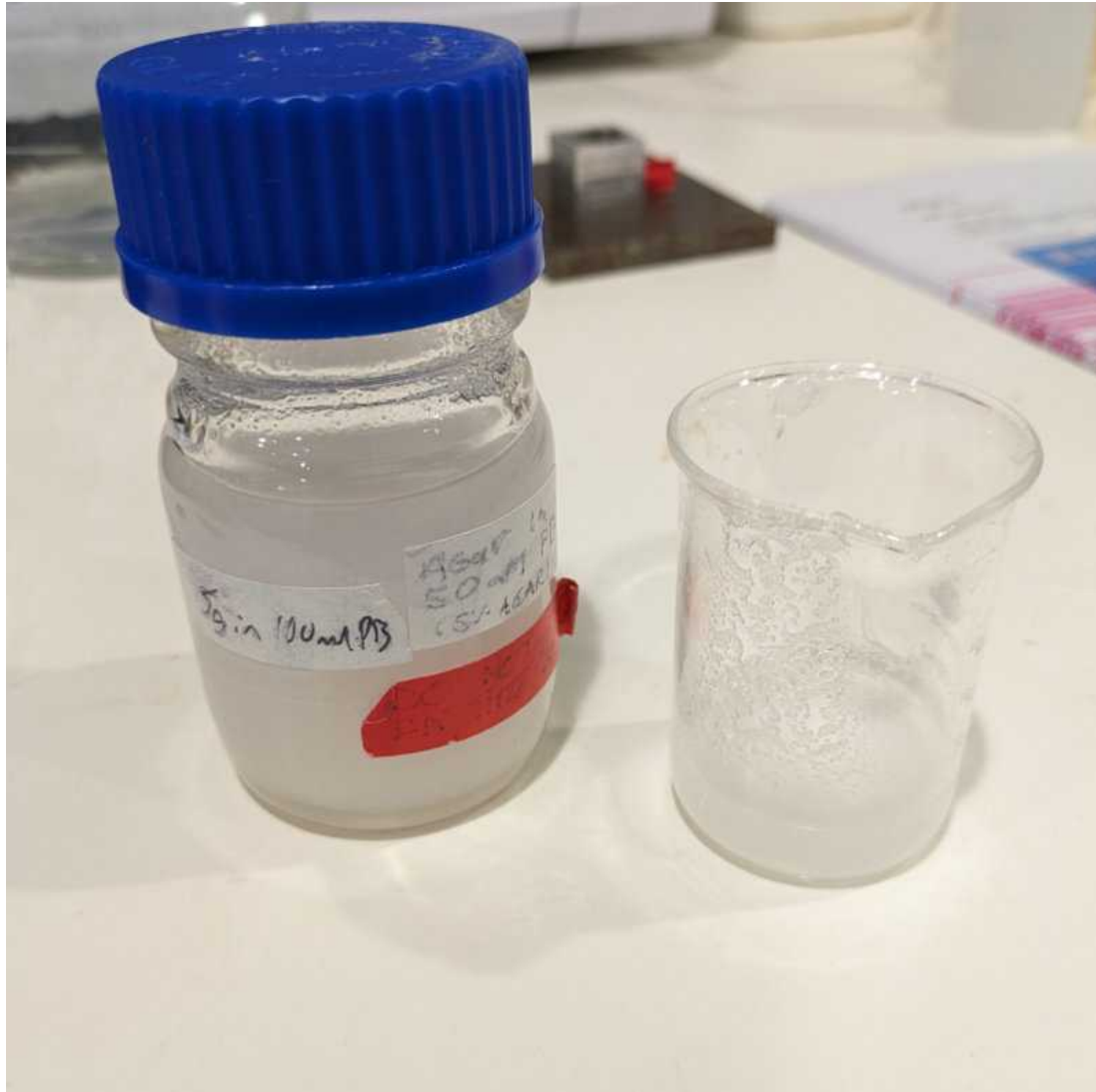
Agarose multipurpose, molecular biology grade **MP**
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and pour into the bottle. Cap the bottle and shake it.

Using the stock

5 Do not heat the stock solution bottle. This concentrates it over time and it takes ages to heat. Instead, pour out the desired amount into a beaker and heat carefully in the microwave. Use

low or medium power and stop as it begins to boil or even just before. The agar will look slightly less clear if you don't boil it, but this does not matter.



As a rule of thumb: melt just over 10 ml for a single brain. Just under 20 ml for 4 brains.