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Fixative preparation for Baermann funnel extraction

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Protocol status: Working

We use this protocol and it's working

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Abstract

Fixative preparation for Baermann funnel extraction

Materials

Materials for fixative preparation:

- Para-formaldehyde powder (PFA)
- Phosphate-buffered saline (PBS) tablets
- 1M NaOH
- Glycerol



Fixative Preparation

50m

- 1 Weigh  1.6 g PFA powder
- 2 Dissolve in  20 mL of DI water
- 3 Incubate in water bath at  60 °C to help dissolve PFA powder for  00:40:00 40m
- 4 Add  20 µL of 1 M NaOH to further help dissolve PFA powder
- 5 Place back in  60 °C water bath for  00:10:00 10m
- 5.1 If still not dissolved, add  10 µL more of 1M NaOH
- 6 Pull out of water bath and cool to  Room temperature
- 7 Add two tablets of PBS to a  100 mL volumetric flask
- 8 Mix  20 mL of each solution to get 4% formaldehyde
- 9 Add  400 µL of glycerol to fixative
- 10 Ensure  7.5
- 11 Place fixative in a hot water bath till  60 °C