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## Self-made chrome alum gelatin coated slides

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**Protocol status:** Working

We use this protocol and it's working

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**Keywords:** microscopy slides with chrom alum gelatin, chrome alum gelatin, chrom alum gelatin, coating microscopy slide, made chrome alum gelatin, coated slide, gelatin, better tissue adherence

## Abstract

This is step-wise protocol to coating microscopy slides with chrom alum gelatin for better tissue adherence.






## Materials

-  Chromium(III) potassium sulphate dodecahydrate (#3535.3 Carl Roth) **Carl Roth Catalog #3535.3**
-  Gelatine from porcine skin **Merck MilliporeSigma (Sigma-Aldrich) Catalog #48722**

## Troubleshooting








## Prepare chrome alum gelatin solution

- 1 Heat up  200 mL ddH<sub>2</sub>O to  50 °C on hot plate using a magnetic stirrer.
- 2 Add  1 g gelatin gradually until completely dissolved to prevent formation of clumps. Solution has to be clear.
- 3 Let solution cool down to room temperature and add  0.1 g Chrome potassium sulfate until completely dissolved.  
Either proceed immediately or store the solution for a few days @  4 °C . If stored, let the solution warm-up to room temperature before use.

## Slide coating

10m 10s

- 4 Pour prepared chrome alum gelatin solution in a staining dish preheated at  60 °C .
- 5 Incubate to-be-treated slides in  70 % (v/v) Ethanol for  00:10:00 to clean them. 10m
- 6 Rinse in distilled water, dip at least 3 times to remove alcohol.
- 7 Dip the slides 5 times in the solution,  00:00:10 each. 10s
- 8 Leave the slides to drain for a few minutes onto a filter paper.
- 9 Dry the treated slides in an oven at  37 °C over night.
- 10 Store the slides in a dry box and protect from dust.

## Protocol references

The protocol is adapted based on the following published protocols:

<https://www.stainsfile.com/adhesives/chrome-alum-gelatin/>