

autofluorescence removal

Given a slide with a fixed sample, the goal is to remove autofluorescence.

supplementary

<https://media.nature.com/original/nature-assets/nmeth/journal/v14/n7/extref/nmeth.4309-S4.pdf>

materials

- Sodium borohydride
 - Danger: produces hydrogen gas when encounters water. If ignites, do not put out with water, use powder. Toxic as well.
- PBS 1x at 4°C
- PBS 1x at RT
- Isopropanol 99%

procedure

1. Measure 0.5g Sodium borohydride and add to ~25ml PBS 1x at 4°C on ice in the fume hood. Top PBS to 50ml and leave cap off or loose in hood.
2. Wash sample in PBS and add to chilled 1% Sodium borohydride solution for 30min.
3. Wash slide with Isopropanol 99% and transfer to PBS 1x at RT to wash. Add Isopropanol to sodium borohydride in waste container. Leave waste cap loose.