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Preparation of acid-washed glass coverslips for immunofluorescence microscopy

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Protocol status: Working
We use this protocol and it's working

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Abstract

Rizzardi Lab (Adapted from Schwer Lab- UCSF)

1 Add coverslips to 10cm culture dish

2 Add ~20 mL of 1 N HCl; swirl on orbital shaker for 2 h at RT. Room temperature 2h

3 Remove acid, rinse with 2 x 25 mL PBS until pH is at least 6.0.

4 Rinse 1 x 25 mL water.

5 Add ~20 mL of 70% EtOH; swirl on orbital shaker for 10 min, RT. Room temperature 10m

6 Remove ethanol, transfer coverslips to Whatman paper. Let dry in TC hood.

7 Sterilize coverslips before use

7.1 Option 1:
Transfer to glass beaker, cover with aluminum foil and autoclave (dry cycle, 30 min sterilization time)

7.2 Option 2:
Transfer to new sterile 10cm culture dish and turn on UV. Leave in hood until ready for use.