

May 17, 2024

Preparation of acid-washed glass coverslips for immunofluorescence microscopy

DOI

dx.doi.org/10.17504/protocols.io.6qpvr847blmk/v1

Jenna Ekstrom¹

¹The University of Alabama at Birmingham



Jenna Ekstrom

The University of Alabama at Birmingham

Create & collaborate more with a free account

Edit and publish protocols, collaborate in communities, share insights through comments, and track progress with run records.

Create free account

OPEN  ACCESS



DOI: <https://dx.doi.org/10.17504/protocols.io.6qpvr847blmk/v1>

Protocol Citation: Jenna Ekstrom 2024. Preparation of acid-washed glass coverslips for immunofluorescence microscopy. **protocols.io** <https://dx.doi.org/10.17504/protocols.io.6qpvr847blmk/v1>

License: This is an open access protocol distributed under the terms of the **Creative Commons Attribution License**, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

Protocol status: Working

We use this protocol and it's working

Created: May 17, 2024

Last Modified: May 17, 2024

Protocol Integer ID: 99982

Keywords: glass coverslips for immunofluorescence microscopy rizzardi lab, immunofluorescence microscopy rizzardi lab, washed glass coverslip, preparation of acid, immunofluorescence

Abstract

Rizzardi Lab (Adapted from Schwer Lab- UCSF)

Troubleshooting



- 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 × 25 mL PBS until pH is at least 6.0.
- 4 Rinse 1 × 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.