



## Mammalian Cell Staining

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## **ABSTRACT**

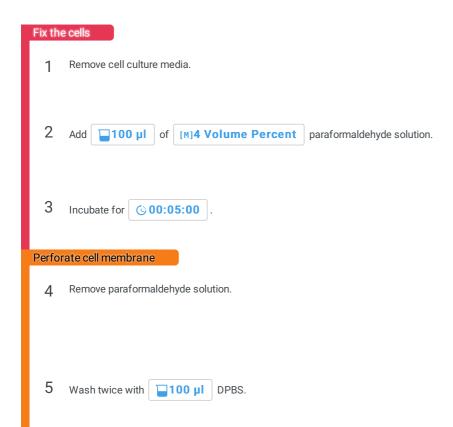
This protocol details how to stain mammalian cells cultured on a 96-well plate. Actin filaments, focal adhesion sites (as indicated by the presence vinculin), and nuclei will be stained.

PROTOCOL STATUS

## Working

## MATERIALS TEXT

- 4% Paraformaldehyde solution
- 0.1% Triton X-100
- Blocking buffer
- Anti-vinculin with blocking buffer
- TRITC and FITC-conjugated secondary antibody solution
- NucBlue<sup>TM</sup> LiveReady Probes<sup>TM</sup> Reagent solution
- Phosphate buffered saline (PBS)
- Dulbecco's phosphate buffered saline (DPBS)



□100 µl of [M]0.1 Volume Percent Triton X-100. Incubate for **© 00:05:00 Block Unspecific Binding** Remove Triton X-100. Wash twice with DPBS. 10 ■100 µl blocking buffer. 11 Incubate for **© 00:10:00** Stain for focal adhesion sites and actin filaments 12 Remove blocking buffer. 13 Wash twice with DPBS. 14 of Anti-Vinculin and blocking buffer mixture. 15 Incubate for **© 00:20:00** 16 FITC-conjugated secondary antibody and TRITC. 17 Incubate for **© 00:30:00** Stain nucleus 18 Remove stains. 19 □100 µl of NucBlue™ solution. 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