

Methanol Fixation for Immunofluorescence

**Methanol fixation works by precipitating proteins, and as such it is a quick method (2-5 minutes is enough time for most antibodies/proteins). Diffuse proteins may be lost, however in which case PFA fixation may be a better choice. We recommend that you try both types of fixation for your particular antibody/fusion protein when working out your initial immunofluorescence conditions.*

Buffers

MeS buffer

MeS, pH 6.9	100mM
EGTA	1mM
MgCL ₂	1mM

Store at 4°C.

Methanol Fix

100 ml

MeS Buffer	10 ml
Methanol	90 ml

Store at -20°C and use on cells directly from freezer.

Procedure

1. Pour fix onto cells in dish and leave dish at room temperature for 5 minutes.
2. Wash repeatedly with PBS.
3. There is no need to permeabilization step following this fixation.