Reducing background when imaging cells

molecular probes® by *life* technologies™

IMAGING ADHERENT CELLS

Do you want to image live or fixed cells?

LIVE CELLS

Do you want to continue culturing cells after imaging?

FIXED CELLS

Fix, perm, & block using Image-IT® Fixation/Permeabilization Kit *(Cat.No. R37602)* or your own procedure

NO

Label Cells in culture media or Live Cell Imaging Solution (LCIS)

YES

Label Cells in culture media or Live Cell Imaging Solution (LCIS) *(Cat.No. A14291DJ)*

Rinse cells with LCIS, HBSS, or PBS

Add 2 drops/ml BackDrop™ background supressor *(Cat.No. R37603)* in desired channel to reduce background

Remove labeling solution and replace with fresh LCIS to reduce background

Apply 4 drops of Image-iT® FX Signal Enhancer *(Cat. No. I36933)* to reduce background

Image cells

Image Cells

Rinse and proceed with desired staining with dyes or antibodies

Remove LCIS and replace with culture media

Image cells

Return cells to incubator