

# Whole Cell Fusion

## Day before fusion

- trypsinize and resuspend in 5mL full media cell lines to be fused and mix together 1:1
- plate cell mix in a 100mm dish at approximately 80% confluence

## Day of fusion

- ensure that cells are close to 100% confluence
- wash plate 3x with DMEM w/o serum
- prepare PEG 1500/DMSO solution: to 4mL vial of PEG 1500 add 400 $\mu$ L DMSO and mix gently
- apply PEG 1500/DMSO solution to plate for 60 seconds (critical-err on a shorter time not longer) and agitate with a gentle rocking motion
- aspirate solution and wash gently 3x with DMEM plus 10% DMSO (no serum)
- wash gently 2x with full media

## Day after fusion

- split cells 1:2

## Second day after fusion

- change to selection medium