

# Filtering Protocols and Ordering

Falcon 5mL Polystyrene Round-Bottom Tube with Cell-Strainer Caps can be purchased in the stockroom, Ref 352235.

For filtering cells in tubes:

1. Cut the mesh into a rectangle approximately 1.5 cm x 3 cm.
2. Fold the mesh rectangle over the tube
3. Resuspend cells in 200uL and inject through the mesh as quickly as possible. We find that a 200uL pipetman works best, a 1000uL pipetman can also be used but we find that it results in larger volume loss.

Using this protocol we find that 185uL of the original 200uL are retained.

For filtering cells in plates:

1. For best results (i.e. as little cross-contamination as possible) use every second well of a plate
2. Cut mesh into strips covering one row of a plate each
3. Resuspend cells in 200uL and lay mesh across a row (can use pipette tips to hold the mesh in place). Inject through mesh as quickly as possible, using a multi-pipettor. There will be a small amount of liquid left on the mesh; pipette this residual liquid (~10uL) back into the pipette tips to prevent spreading on the mesh and possible cross-contamination of samples.

Ordering Information for 80  $\mu$ m Nylon Mesh:

- Company name: [componentsupplycompany.com](http://componentsupplycompany.com)