

# Reversible Strainers

For filtration of single cells and cellular aggregates, including embryoid bodies and spheroids

|           |       |                      |
|-----------|-------|----------------------|
| Catalog # | 27215 | 37 µm Small, 50/Box  |
|           | 27216 | 70 µm Small, 50/Box  |
|           | 27217 | 100 µm Small, 50/Box |
|           | 27250 | 37 µm Large, 25/Box  |
|           | 27260 | 70 µm Large, 25/Box  |
|           | 27270 | 100 µm Large, 25/Box |



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## Product Description

Reversible strainers are designed for filtration of single cells and isolation of cellular aggregates. They are available in 3 mesh sizes: 37 µm (white), 70 µm (orange), and 100 µm (grey). Single cells and objects smaller than the mesh will pass through the strainer and can be collected; larger aggregates will be trapped on the strainer and can be recovered separately. Strainers can be stacked for more precise size selection.

Reversible strainers can be used for harvesting embryoid bodies (EBs) and spheroids from AggreWell™ plates (e.g. Catalog #34811). Other applications include isolation of single cells, e.g. after tissue dissociation or prior to flow cytometry.

The small strainers (Catalog #27215/27216/27217) are compatible with 14 - 15 mL conical tubes (e.g. Catalog #38009) and 3 - 5 mL round-bottom tubes (e.g. Catalog #38007); the large strainers (Catalog #27250/27260/27270) are compatible with 50 mL conical tubes (e.g. Catalog #38010).

## Properties

|                    |  |
|--------------------|--|
| <b>Storage:</b>    | Store at 15 - 25°C.                      |
| <b>Shelf Life:</b> | Stable for 5 years from date of receipt. |

## Directions for Use

To filter single cells or collect aggregates:

1. Place the strainer on top of an appropriately sized tube.  
NOTE: For stacked strainers, place the strainer with the smallest mesh size on the tube, with the arrow pointing **down**. Stack the next largest mesh size strainer on top of the first strainer, also with the arrow pointing **down**. For a single strainer, either orientation may be used.
2. Pass the cell or aggregate suspension through the strainer. Single cells will pass through, while aggregates larger than the mesh size will be captured on top of the strainer.
3. To recover the aggregates, flip the strainer onto a new tube.  
NOTE: If the strainer was stacked, the arrow should now be pointing **up**.
4. Rinse the aggregates into the tube using phosphate-buffered saline or desired medium.

For complete instructions on how to use the strainers to harvest EBs or spheroids using AggreWell™ plates, refer to the Product Information Sheet for AggreWell™800 (Document #DX21397), available at [www.stemcell.com](http://www.stemcell.com) or contact us to request a copy.

## Related Products

For related products, including AggreWell™, HepatiCult™, PancreaCult™, or EasySep™, visit [www.stemcell.com](http://www.stemcell.com) or contact us at [techsupport@stemcell.com](mailto:techsupport@stemcell.com).

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