



Put **CELLSTAR® EASYstrainer™** Cell Strainers to the test!



**CELLSTAR® EASYstrainer™** - Effective, aseptic, safe, high-yield for filtration of cell suspensions and primary cell isolates

- Vented design provides faster filtration
- Three color coded mesh sizes (40µm, 70µm, or 100µm)
- Sterile and individually wrapped

## **EASYstrainer™ Tissue Dissociation Protocol**

1. After dissecting off unusable tissue, mince the remaining tissue into 3 to 4 mm pieces with a sterile scalpel or scissors. Wash the tissue pieces by resuspending in a balanced salt solution without calcium and magnesium. Allow the tissue pieces to settle, and remove the supernatant. Repeat the wash 2 or 3 times.
2. Place the container with the tissue pieces on ice, and remove any remaining supernatant. Add 0.25% trypsin in a balanced salt solution without calcium or magnesium (1 ml of trypsin for every 100 mg of tissue).
3. Incubate at 4°C for 6 to 18 h to maximize penetration of the enzyme with minimal trypsin activity.
4. Decant and discard the trypsin from the tissue pieces. Incubate the tissue pieces with residual trypsin at 37°C for 20 to 30 min.
5. Add warm, complete media to the tissue pieces and gently disperse the tissue by pipetting. If using a serum-free medium, also add soybean trypsin inhibitor.
6. Filter the cell suspension through a 100µm EASYstrainer™ cell strainer to completely disperse any remaining tissue. Count and seed the cells for culture.

Note: Cell type and downstream application may require the use of a 70µm or 40µm EASYstrainer™ in the original or in additional filtration steps to ensure a single cell suspension.