

Cell Culture Flask

An ideal solution for enhanced cell attachment and growth of a variety of primary cells and transformed cells in serum- free or serum-containing cultures.

Features

1. High clarity medical grade polystyrene material
2. Sterilized by E-Beam SAL=10⁻⁶
3. Non-pyrogenic, DNase/ RNase free, free, Non-Cytotoxicity
4. Packaged in sterile, zip-seal bags
5. Two types of cap style : vent caps & plug seal cap
6. Vent caps with 0.22um hydrophobic filters for gas exchange without contamination
7. Fosted writing and clear graduation
8. Clear lot number for batch traceability
9. Stackable

Product Range

Temperature Range : Approx.-86 to+64°C
 Shelf Life : 3 Years after date of production (when package is in good condition)
 Sterile : Yes

Product Range

Tissue Culture Treated Cell Culture Flasks

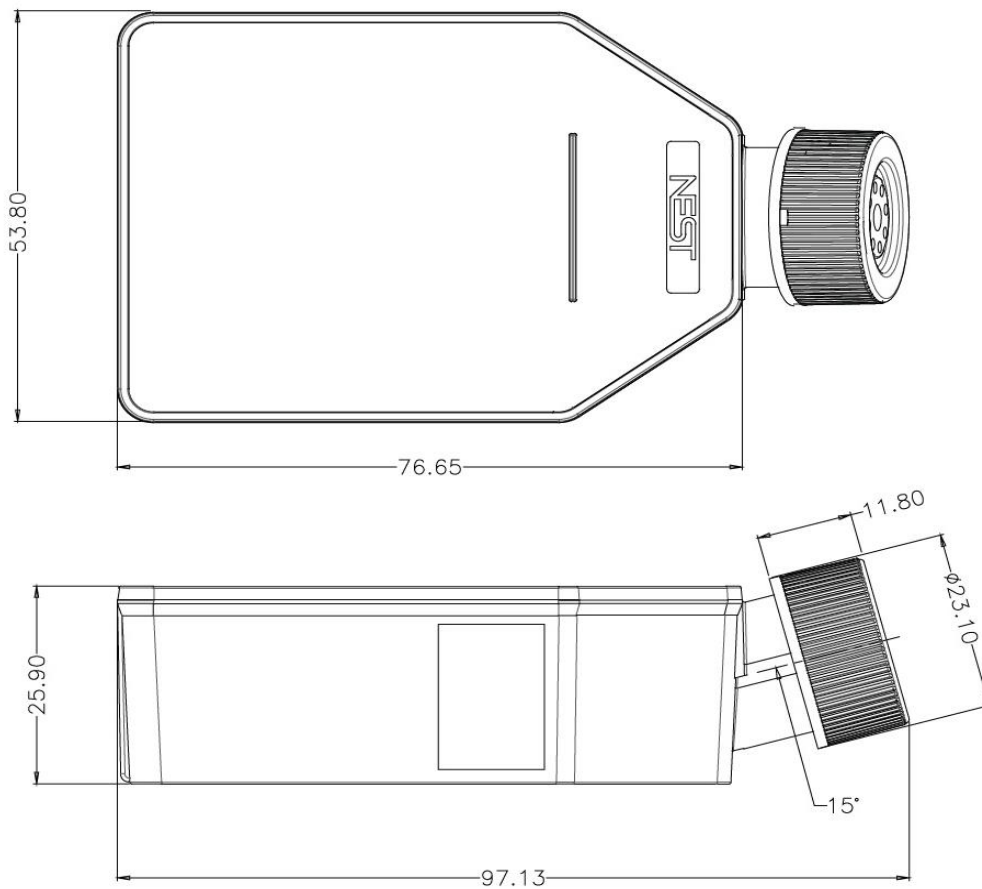
| Cat. No. | Cell Growth Area(cm ²) | Cap Style | Volume (mL) | Recommended Medium Volume(mL) | /Pack | /Case |
|----------|------------------------------------|------------|-------------|-------------------------------|-------|-------|
| 707001 | 25 | Sealed Cap | 50 | 5-7.5 | 10 | 200 |
| 707003 | 25 | Vent Cap | 50 | 5-7.5 | 10 | 200 |
| 708001 | 75 | Sealed Cap | 250 | 15-22.5 | 5 | 100 |
| 708003 | 75 | Vent Cap | 250 | 15-22.5 | 5 | 100 |
| 709001 | 175 | Sealed Cap | 750 | 35-52.5 | 5 | 40 |
| 709003 | 175 | Vent Cap | 750 | 35-52.5 | 5 | 40 |
| 721001 | 225 | Sealed Cap | 950 | 45-67.5 | 5 | 25 |
| 721003 | 225 | Vent Cap | 950 | 45-67.5 | 5 | 25 |

Non-treated Cell Culture Flasks

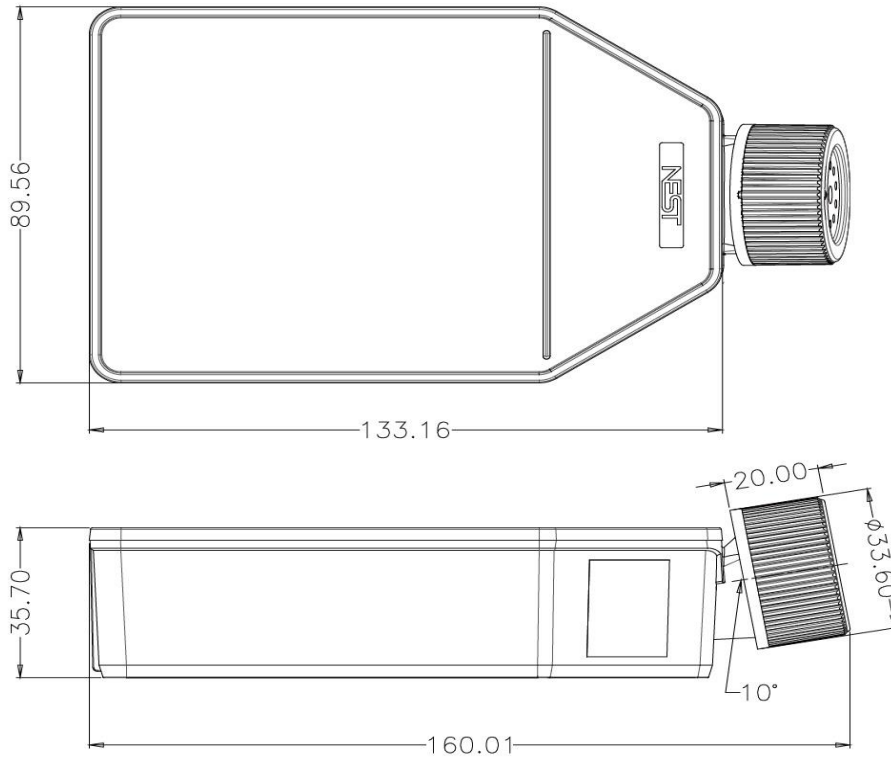
| Cat. No. | Cell Growth Area(cm ²) | Cap Style | Volume (mL) | Recommended Medium Volume(mL) | /Pack | /Case |
|----------|------------------------------------|------------|-------------|-------------------------------|-------|-------|
| 707011 | 25 | Sealed Cap | 50 | 5-7.5 | 10 | 200 |
| 707013 | 25 | Vent Cap | 50 | 5-7.5 | 10 | 200 |
| 708011 | 75 | Sealed Cap | 250 | 15-22.5 | 5 | 100 |
| 708013 | 75 | Vent Cap | 250 | 15-22.5 | 5 | 100 |
| 709011 | 175 | Sealed Cap | 750 | 35-52.5 | 5 | 40 |
| 709013 | 175 | Vent Cap | 750 | 35-52.5 | 5 | 40 |
| 721011 | 225 | Sealed Cap | 950 | 45-67.5 | 5 | 25 |
| 721013 | 225 | Vent Cap | 950 | 45-67.5 | 5 | 25 |

Technical Drawing

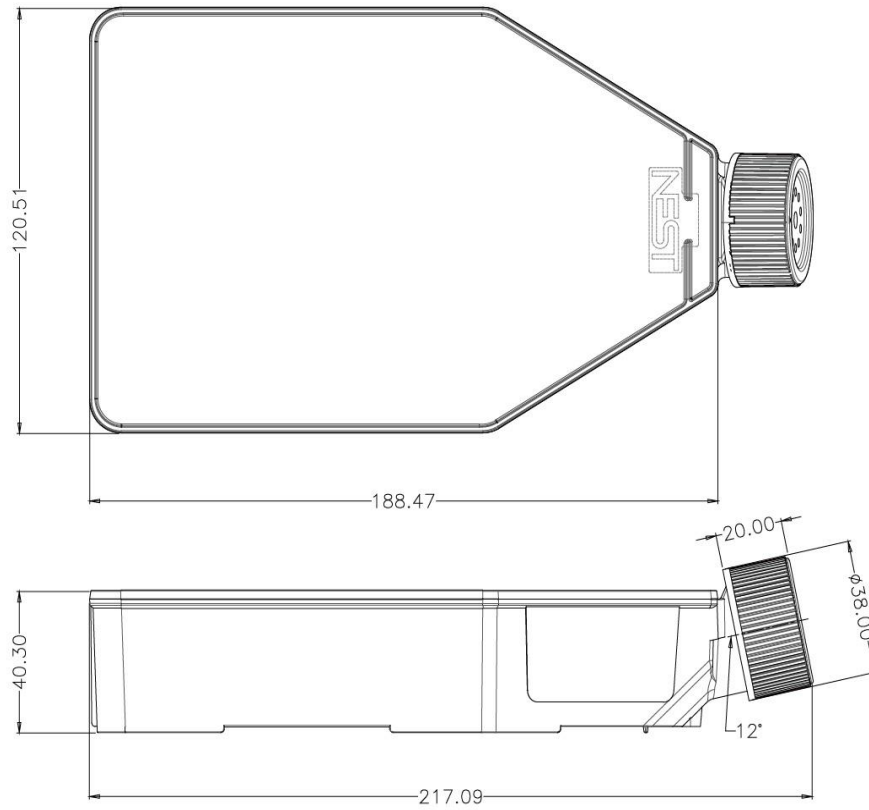
T25 cell culture flask



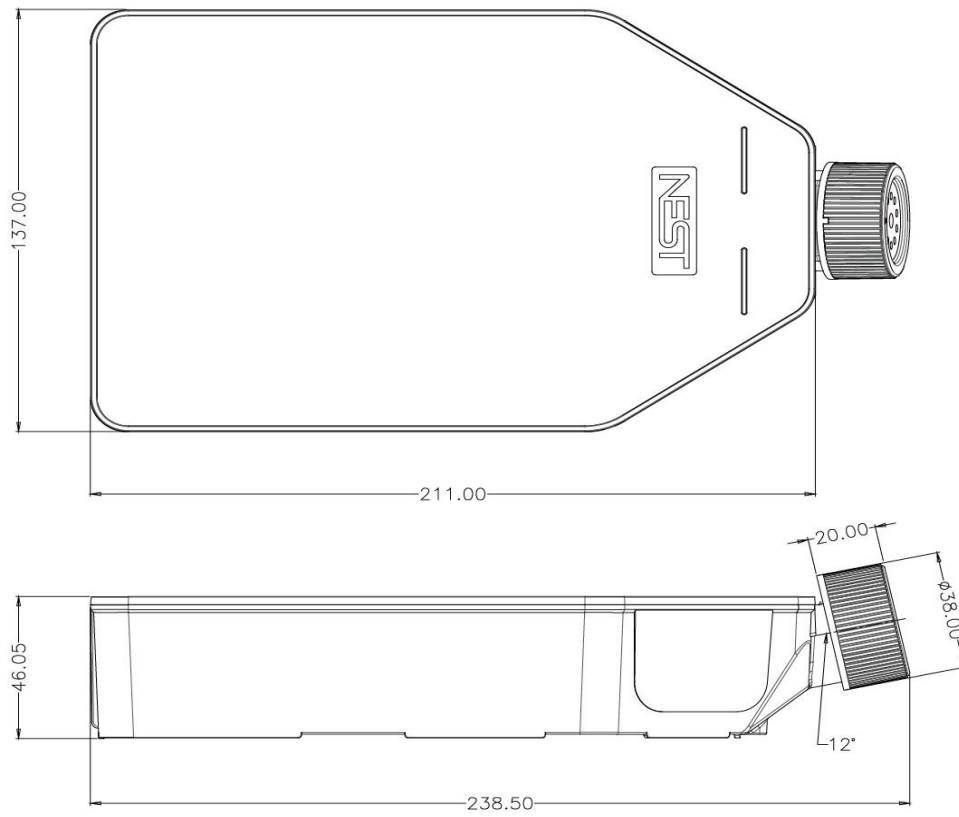
T75 cell culture flask



T175 cell culture flask



T225 cell culture flask



5-Layer Cell Culture Flasks

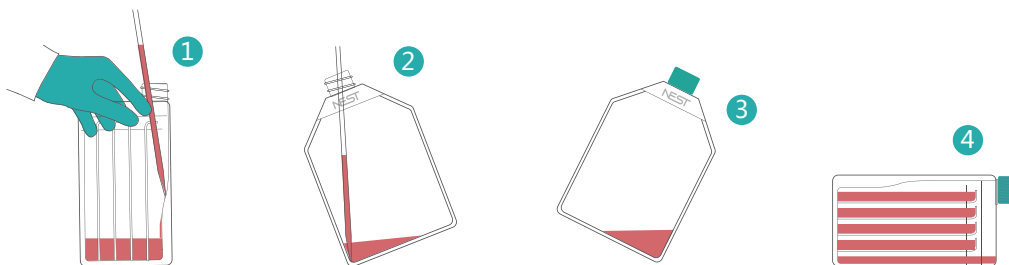


Feature

- High clarity medical grade polystyrene material
- Growth area: 870 cm²
- Sterilized by E-Beam, non-pyrogenic

| Cat.No. | Cap Style | Recommended Medium Volume(mL) | TC | /Pack | /Case |
|---------|---------------|-------------------------------|-----|-------|-------|
| 731001 | Plug Seal Cap | 100-150 | Yes | 1 | 8 |
| 731002 | Vent Cap | 100-150 | Yes | 1 | 8 |

Guidelines For Use:



1. Mix cell suspension with medium: Prepare cell suspension of required concentration in a container. Recommended volume is about 30- 50mL per layer.
2. Add the mixed liquid into the Multi-layer Flask slowly with serological pipettes. To avoid foams and bubbles, allow liquid stream to flow along the slope of the Multi-layer Flask. (Save a little liquid in pipette each time.)
3. Tips: A 10mL pipette allows media to be dispensed at the bottom of the vessel. A 25mL pipette allows media to be dispensed just past the NEST Logo.
4. Hold the Multi-layer Flask upright with the Logo facing you and tilt clockwise to a 45° angle on a flat work surface to partition the liquid into each layer.
5. While holding the Multi-layer Flask at a 45° angle, gently lay it flat onto the work surface with logo facing up.
6. After placing the Multi-layer Flask flat on a work surface, gently rock back and forth and side-to-side to distribute cells evenly onto culture surfaces.
7. Tips: Take care to avoid foaming of medium, and not to spill liquid from each layer.
8. Repeat Step 3 to put the flask quickly and slightly into the incubator . Then, lay it flat as shown in Step 4. You may choose to either aspirate or pour the media from Multi-layer Flask.
9. Aspirating method: To aspirate or remove media, tilt Multi-layer Flask, with the NEST Logo facing you, counter-clock wise to a 45° angle while inverting the Multi-Flask toward you. Then, tilt Multi-layer Flask to the right, continuing to aspirate all residual media.
10. Pouring method: With Logo facing you, pour spent media from Multi-layer Flask
11. Tips: Aspirate media using a NEST 2mL or 10mL aspirating pipette.
12. Wash with buffer for one time and add dissociating reagent (≥5mL per layer). Then, follow Steps 3-4 to distribute to dissociating reagent to each layer.
13. Neutralize with inactivating solution and mix following Steps 3-4. Gently swirl to dislodge cells completely.
14. Follow Step 7 "Aspirating Method" protocol and collect cell suspension using a NEST 10mL serological pipette.
15. Follow Step 8 "Pouring Method". Pour the cell suspension into a NEST conical tube.
16. Rinse with additional wash buffer if needed.
17. Search "NEST Multi-layer Flask" video on NEST website or Youtube.