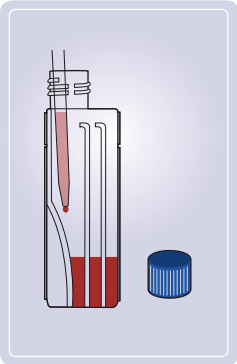
Falcon® Cell Culture Multi-Flask
Guidelines for Use

INTRODUCTION

Falcon Cell Culture Multi-Flasks are available in 3- and 5-layer formats and provide 525 cm^2 or 875 cm^2 cell growth surface areas, respectively, which is equivalent to 3 or 5 times the surface area of a T-175 flask. Falcon Multi-Flasks offer the same benefits as the current format but in a more efficient and higher capacity design enabling you to grow more cells faster, easier, and in a more convenient manner. The footprint is the same as the T-175, so adaptation to your current equipment should be simple. This device allows you the benefit of preparing your cell suspension within the flask and removing your media or reagents using a pipet. This reduces the risk of contamination and speeds up the procedure.

ADDING MEDIA AND PREPARING CELL SUSPENSION WITHIN THE FALCON MULTI-FLASK

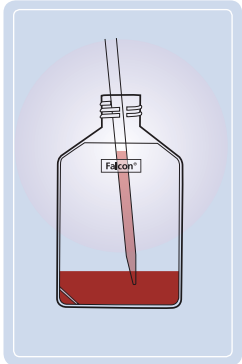


1. Add required amount of medium into Falcon Multi-Flask by pipet or by pouring using typical culture volumes of 25-50 mL per layer.

2. To avoid foaming of medium, allow liquid stream to flow along the slope of the Logo side of the Falcon Multi-Flask.

Helpful hint: *A 10 mL pipet allows media to be dispensed at the bottom of the vessel.*

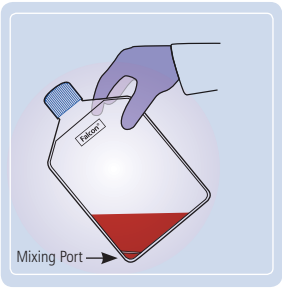
25-100 mL pipets allow media to be dispensed just past the Logo.



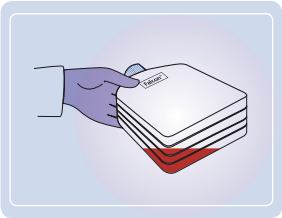
3. Dispense cell suspension from a concentrated stock into the growth medium using a Falcon 10 mL pipet (Cat. No. 357551 or 356551). Be sure to dip the pipet tip into the medium.

Note: *The seeding density will vary depending on the cell type, medium, and culture duration needs. Begin with the same seeding density on a cells per centimeter square area to that used in standard flask for the cell type used.*

MIXING OF CELLS IN FALCON MULTI-FLASK



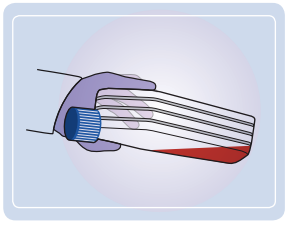
4. Mix position: Hold the Falcon Multi-Flask upright with the Logo facing you and tilt counter-clockwise to a 45° angle.



5a. Holding at the same angle, gently rotate the Falcon Multi-Flask forward (neck pointing away from you).

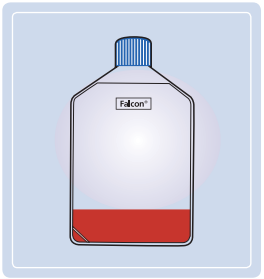
5b. Then, gently rotate it backward (neck pointing towards you).

Note: *With each tilt, hold until liquid in the top layer drains fully.*



6. Repeat Step 5 to ensure proper mixing. Bring back to mix position, as shown in Step 4. Then, proceed to Step 7 for equilibration.

EQUILIBRATING FLUID



7. After mixing or adding cell suspension, place the Falcon Multi-Flask vertically on a flat work surface to equalize liquid volume among all the layers.

ALTERNATE PROTOCOL

Adding cell suspension prepared external to the Falcon Multi-Flask

1. Create cell suspension externally from the Falcon Multi-Flask.
2. Add required amount of cell suspension into the Falcon Multi-Flask by pipet or by pouring.
3. To avoid foaming of medium, allow liquid stream to flow along the slope of the Logo side of the Falcon Multi-Flask.

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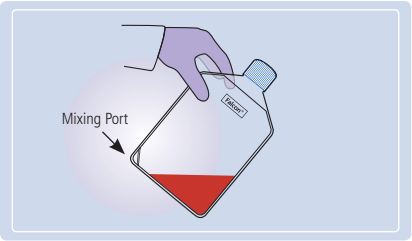
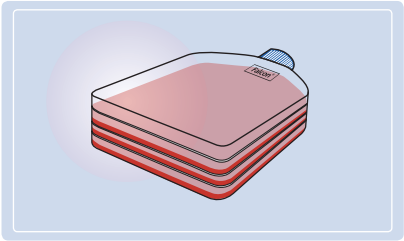
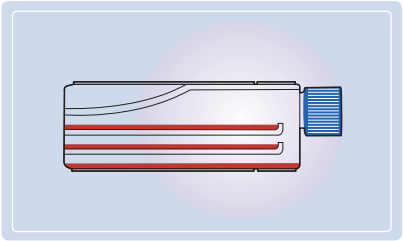
PARTITION AND DISTRIBUTE LIQUID ONTO EACH LAYER



8. Hold the Falcon® Multi-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 of the layers. This position is recommended for transport.



9. While holding the Falcon Multi-Flask at a 45° angle, gently lay it flat onto the work surface with Logo facing up.

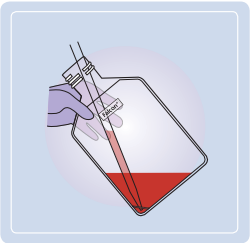


10. After placing the Falcon Multi-Flask flat on a work surface, gently rock back and forth and side-to-side to distribute cells evenly onto culture surfaces – taking care not to spill liquid from each layer.

MEDIA REMOVAL

If exchange of media is required, follow Steps 7-10.
You may choose to either aspirate or pour the media from the Falcon Multi-Flask.

ASPIRATING METHOD

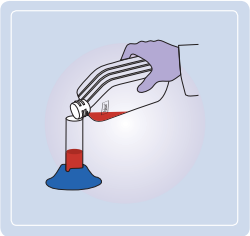


11. To aspirate or remove media tilt the Falcon Multi-Flask, with the Logo facing you, counter-clockwise to a 45° angle while inverting the Multi-Flask toward you.

12. Then, tilt the Falcon Multi-Flask to the right, continuing to aspirate all residual media.

Helpful hint: *Aspirate media using a Falcon 2 mL aspirating pipet (Cat. No. 357558).*

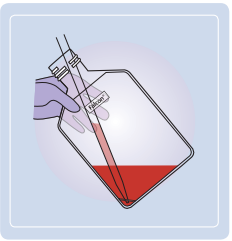
POURING METHOD



13. With Logo facing down, pour spent media from the Falcon Multi-Flask.

Helpful hint: *Pouring is easier when the Logo is facing you and the multi-flask is tilted at a counter-clockwise 45° angle.*

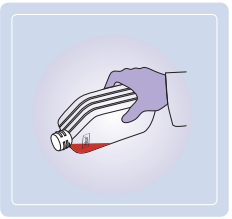
CELL HARVESTING



14. Add dissociating reagent (≥ 5 mL per layer) based on preferred protocol and bring to mix position (Step 4). Then, follow Steps 7-10.

15. Neutralize with inactivating solution and mix following Steps 4-10. Gently swirl to dislodge cells completely.

16. Pipetting Method: Follow "Media Removal" protocol but collect cell suspension using a Falcon 10 mL serological pipet (Cat. No. 357551).



17. Follow Step 13 "Pouring Method". Pour detached cell suspension into a Falcon conical tube (Cat. No. 352070).

18. Rinse with additional media as needed.

Helpful hint: *Pouring is easier when the Logo is facing you and the multi-flask is tilted at a counter-clockwise 45° angle.*

PRODUCT SPECIFICATIONS

WORKING VOLUME RANGE	≥5 mL per layer for dissociating ≤50 mL per layer for cell expansion
MOLDED-IN GRADUATIONS	0 to 50 mL per layer in 10 mL increments
GRADUATION ACCURACY	10%
CAP VENT MEMBRANE	0.2 µm hydrophobic membrane
CELL GROWTH SURFACE	Tissue culture-treated, optically clear

ORDER INFORMATION

Falcon Cell Culture Multi-Flask

Description	Qty./Pack	Qty./Case	Cat. No.
3-LAYER TISSUE CULTURE-TREATED, 525 CM^2	2	12	353143
5-LAYER TISSUE CULTURE-TREATED, 875 CM^2	1	8	353144

Warranty/Disclaimer: Unless otherwise specified, all products are for research use only. Not for use in humans. Not intended for use in diagnostic or therapeutic procedures. Corning Life Sciences makes no claims regarding the performance of these products for clinical or diagnostic applications.

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For technical assistance, contact Technical Support at:
email: **ScientificSupportEMEA@corning.com**

Outside Europe, contact your local distributor or visit **www.corning.com/lifesciences** to locate your nearest Corning office.

ACCESSORIES

Description	Qty./Pack	Qty./Case	Cat. No.
Falcon Pipets			
ASPIRATING PIPET 2 ML INDIVIDUALLY WRAPPED	50	200	357558
10 ML INDIVIDUALLY WRAPPED PAPER-PLASTIC	50	200	357551
10 ML INDIVIDUALLY WRAPPED ALL-PLASTIC	50	200	356551
Falcon Tubes			
50 ML POLYPROPYLENE CONICAL TUBE	25	500	352070
175 ML POLYPROPYLENE CONICAL TUBE	8	48	352076
225 ML POLYPROPYLENE CONICAL TUBE	8	48	352075

U.S. Orders
Contact your authorized distributor to place your order.

CORNING

Corning Incorporated
Life Sciences
Corning BV
Fogostraat 12
1060 LJ Amsterdam
The Netherlands
Phone: +31 0 20 659 60 51
Fax: +31 20 659 76 73
cceurnl@corning.com
www.corning.com/lifesciences

Corning acquired the Falcon® brand.