

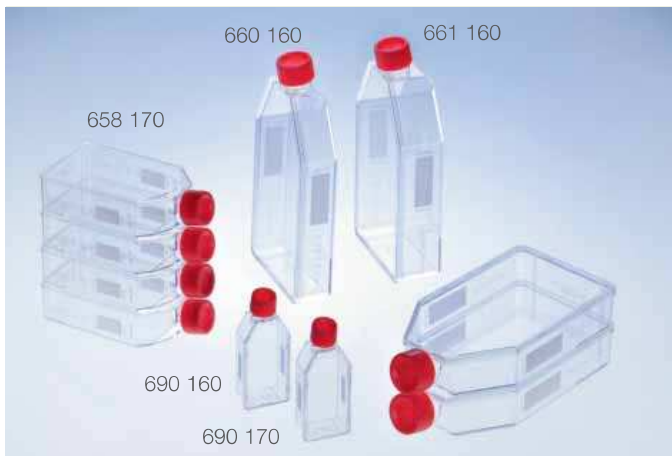
Cell Culture Products

CELLSTAR® Standard Cell Culture Flasks

For cell culture, Greiner Bio-One offers standard and filter cap cell culture flasks with growth areas of 25 cm², 75 cm² and 175 cm². Suspension culture flasks complete the range in the sizes of 50 ml, 250 ml, 550 ml and 650 ml. All Greiner Bio-One cell culture flasks are made of high-grade polystyrene. For adherent cell culture, the surfaces of our standard and filter cap cell culture flasks are physically surface-treated to improve cell adhesion and proliferation.

The special design of our cell culture flasks makes it possible to efficiently reach the cell lawn with a cell scraper, whilst still providing optimal access with a pipette. The special neck design reduces the risk of wetting the inside of the cap with medium, thus providing additional protection against contamination. The stacking rim on the top of the flasks ensures firm standing and easy stackability in the incubator. Both sides have a printed graduation for easier filling.

- 2 HTS-
Microplates
- 3 Immunology/
HLA
- 4 Microbiology/
Bacteriology
- 5 Tubes/Multi-
Purpose Beakers
- 6 Liquid
Handling
- 7 Molecular
Biology
- 8 Protein
Crystallisation
- 9 Separation
- 10 Biochips/
Microfluidics
- 11 Cryo-
Technics
- 12 Lids/Sealers/
CapMats
- 13 Reaction Tubes/
Analyser Cups
- 14 Accessories



Standard Cell Culture Flasks

- Improved cell adhesion through physical surface treatment
- Cell culture flasks with standard screw cap (without filter)
- Canted neck
- Graduation on both sides
- Sterile and user-friendly packaging
- 25 cm², 75 cm² and 175 cm² growth areas
- High and flat design of the 175 cm² cell culture flask for variability of media volume








Figure 1: Standard screw cap with ventilation position
a) ventilation position b) gas-tight position

Standard Screw Cap with Ventilation Position

The secured click-in ventilation position is reached, once the cap snaps in audibly. In addition, the correct position is indicated by a vertical tip of a triangle and the readable writing VENT (Fig. 1). This allows visual verification of the aeration position, even when the flasks are stacked in the incubator. If the cap is turned clockwise to the end stop, the flask is closed gas-tight.

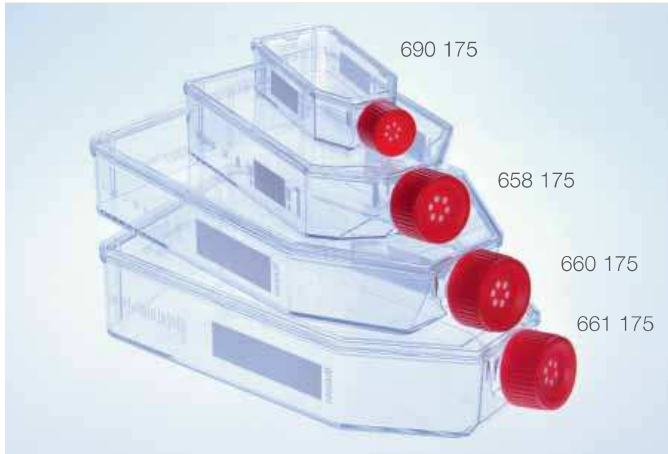
Free of detectable
DNase, RNase,
human DNA
non-pyrogenic

non-
cytotoxic

					
Cat.-No.	690 160	690 170 ^{*)}	658 170	660 160	661 160
Flask design	-	-	-	flat	high
Growth area [cm ²]	25	25	75	175	175
Total volume [ml]	50	50	250	550	650
Working volume [ml]	5 – 10	5 – 10	15 – 38	20 – 45	20 – 85
TC surface treatment	+	+	+	+	+
Sterile	+	+	+	+	+
Standard screw cap	red	red	red	red	red
Quantity per bag/case	10/200	10/200	5/120	5/50	4/40

^{*)} with measuring grid

CELLSTAR® Filter Cap Cell Culture Flasks



Filter Cap Cell Culture Flasks



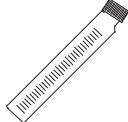
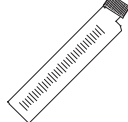
- Improved cell adhesion through physical surface treatment
- Cell culture flasks with filter screw cap
- Canted neck
- Graduation on both sides
- Sterile and user-friendly packaging
- 25 cm², 75 cm² and 175 cm² growth areas
- High and flat design of the 175 cm² cell culture flasks for variability of media volume

A specific capillary pore membrane is used for the filter screw caps of our filter cap cell culture flasks. The defined pore diameter of 0.2 µm provides a sterile barrier against contaminations. The inner surface of the PET membrane is PTFE-coated generating a hydrophobic facing which prevents wetting of the filter material from internal liquid. Due to the high airflow rate of the filter material, an optimal gas exchange is ensured.

- High airflow rate and optimal gas exchange
- Additional standard screw caps (without filter) in each case

Free of detectable
DNase, RNase,
human DNA
non-pyrogenic

non-
cytotoxic

				
Cat.-No.	690 175	658 175	660 175	661 175
Flask design	-	-	flat	high
Growth area [cm ²]	25	75	175	175
Total volume [ml]	50	250	550	650
Working volume [ml]	5 – 10	15 – 38	20 – 45	20 – 85
TC surface treatment	+	+	+	+
Sterile	+	+	+	+
Filter screw cap	red	red	red	red
Quantity per bag/case	10/200	5/120	5/50	4/40

CELLSTAR® Suspension Culture Flasks

2 HTS-
Microplates

3 Immunology/
HLA

4 Microbiology/
Bacteriology

5 Tubes/Multi-
Purpose Beakers

6 Liquid
Handling

7 Molecular
Biology

8 Protein
Crystallisation

9 Separation

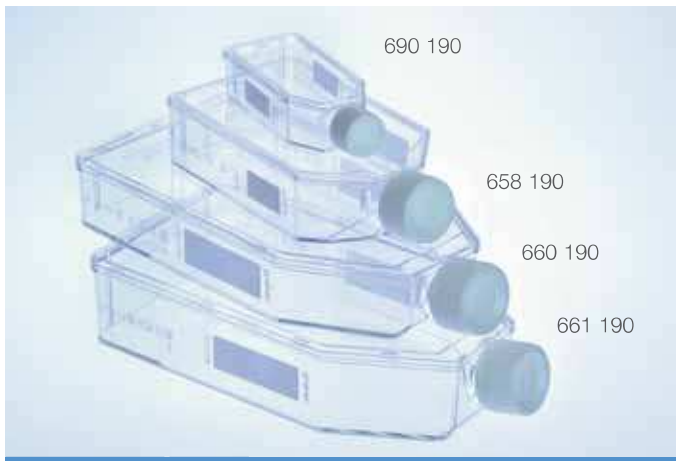
10 Biochips/
Microfluidics

11 Cryo-
Technics

12 Lids/Sealers/
CapMats

13 Reaction Tubes/
Analyser Cups

14 Accessories

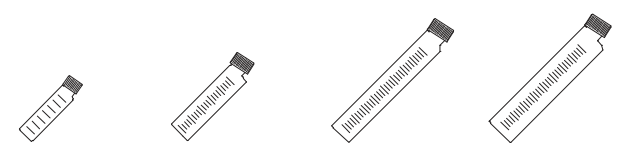


Standard Suspension Culture Flasks

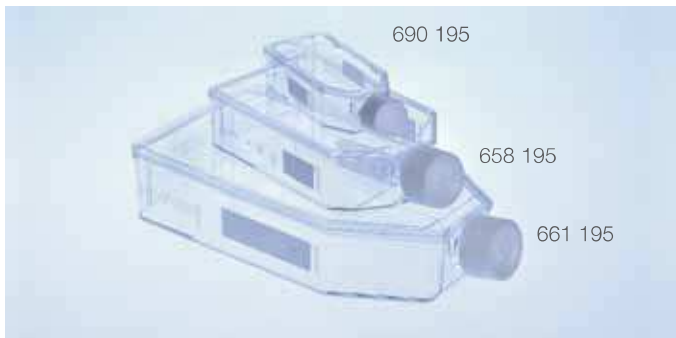
- Hydrophobic surface, ideal for suspension cultures, hybridoma and embryonic stem cells
- Suspension culture flasks with standard screw cap (without filter)
- White standard screw caps with ventilation position (→ p. 114)
- Canted neck
- Graduation on both sides
- Sterile and user-friendly packaging
- 50 ml, 250 ml, 550 ml and 650 ml volumes available

Free of detectable DNase, RNase, human DNA
non-pyrogenic

non-cytotoxic



Cat.-No.	690 190	658 190	660 190	661 190
Flask design	-	-	flat	high
Volume [ml]	50	250	550	650
TC surface treatment	-/suspension	-/suspension	-/suspension	-/suspension
Sterile	+	+	+	+
Standard screw cap	white	white	white	white
Quantity per bag/case	10/200	5/120	5/50	4/40



Filter Cap Suspension Culture Flasks

- Hydrophobic surface, ideal for suspension cultures, hybridoma and embryonic stem cells
- Suspension culture flasks with filter screw cap
- Graduation on both sides
- Sterile and user-friendly packaging
- Canted neck
- Additional standard screw caps (without filter) in each case

Free of detectable DNase, RNase, human DNA
non-pyrogenic

non-cytotoxic



Cat.-No.	690 195	658 195	661 195
Flask design	-	-	high
Volume [ml]	50	250	650
TC surface treatment	-/suspension	-/suspension	-/suspension
Sterile	+	+	+
Filter screw cap	white	white	white
Quantity per bag/case	10/200	5/120	4/40