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Tubes / Multipurpose Beakers

The range of Greiner Bio-One tubes and multipurpose containers/beakers is very versatile and meets a wide variety of different demands.

Tubes

- Tubes are made of the following materials:
- Polystyrene: Is ideally suited for optical measurements as a result of its high clarity.
 - Polypropylene: Displays high thermal, mechanical and chemical resistance.
It is therefore recommended for the storage of chemical and biological samples.
 - Polyethylene: Is characterised by high thermal and chemical resistance.

- The range of tubes available:
- with round or conical bottom
 - with or without skirt
 - in sterile or non-sterile version

In addition, it is possible to order appropriate closures in the form of grip stoppers and screw caps. The product range is completed by tubes with a two-position vent stopper. This special stopper enables ventilation or an airtight closure of the tube, depending on the position of the stopper.

Please refer to the Technical Appendix for information on the max. relative centrifugal force (RCF) and chemical and thermal resistance of our tubes.

Multipurpose Containers / Beakers

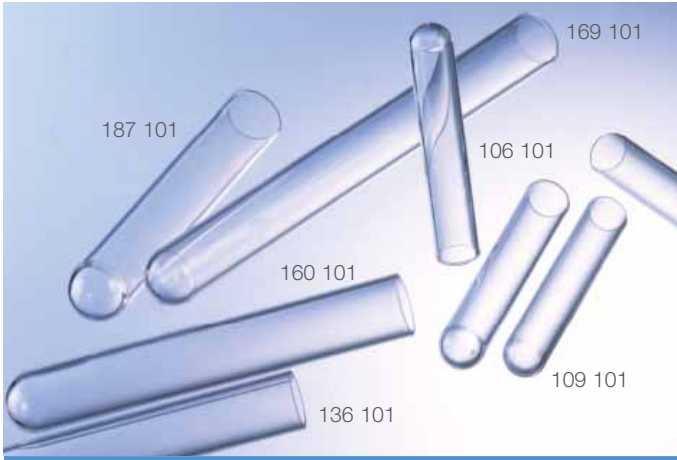
- Multipurpose containers are supplied in different sizes and the following materials:
- Polystyrene for high clarity
 - Polypropylene for high thermal, mechanical and chemical resistance

Depending on the application and requirements, it is possible to choose between different closures (plastic, metal) and labels (without, plain, printed).

The product range is rounded off by containers for plant tissue culture and *Drosophila melanogaster* breeding.

Tubes

Tubes with Round Bottom

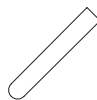
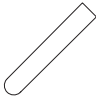
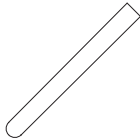


Polystyrene Tubes Round Bottom

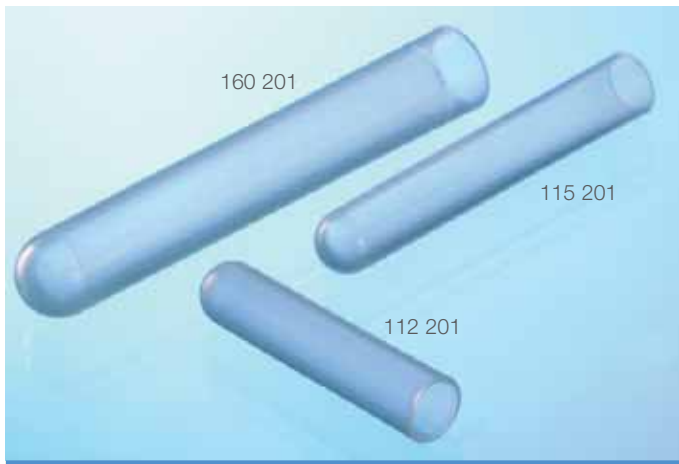
- Cell Culture Tubes p. 1 | 21
- Further Closures p. 5 | 13
- Overview: See Technical Appendix for max. relative centrifugal force (RCF)

- Appropriate grip stoppers for each tube are listed in the table with their Cat.-No.
- High clarity
- Available in different packaging units
- Available in different sizes

						
Cat.-No.	103 101	106 101	109 101	112 101	115 101	136 101
ø [mm] x height [mm]	10.5 x 40	11 x 63	11 x 70	12 x 55	12 x 75	14 x 100
Volume [ml]	2	3.5	4	4	5	10
Sterile	-	-	-	-	-	-
Grip stopper, Cat.-No.	301 321	302 321	302 321	303 321	303 321	307 321
Quantity per bag/case	500/3000	250/3000	240/2880	240/3600	250/2000	1400

			
Cat.-No.	160 101	187 101	169 101
ø [mm] x height [mm]	16 x 100	17 x 100	16 x 152
Volume [ml]	12	14	20
Sterile	-	-	-
Grip stopper, Cat.-No.	310 321	318 321	310 321
Quantity per bag/case	1600	1500	1500

Tubes



Polypropylene Tubes Round Bottom

➤ Further Closures p. 5 | 13

- Polypropylene tubes have particularly good thermal, chemical and mechanical stability
- Material is ideally suited for the storage of samples

- Available in different sizes
- Appropriate grip stoppers for each tube are listed in the table with their Cat.-No.

				
Cat.-No.	112 201	115 201	160 201	187 201
ø [mm] x height [mm]	12 x 55	12 x 75	16 x 100	17 x 100
Volume [ml]	4	5	12	14
Sterile	-	-	-	-
Grip stopper, Cat.-No.	303 321	303 321	310 321	318 321
Quantity per bag/case	240/3600	250/2000	1600	1500



Polypropylene Tubes Round Bottom For Storage Box Cat.-No. 975 502

➤ Storage Box p. 2 | 25

➤ Strip Cap Cat.-No. 365 270 and 365 261 (sterile)

			
Cat.-No.	102 201	102 261	102 270
ø [mm] x height [mm]	8.5 x 44	8.5 x 44	8.5 x 44
Volume per tube [ml]	1.3	1.3	1.3
Sterile	-	+	-
Tube chain with attached strip cap	-	+	+
Quantity per bag/case	1000	1000	1000



Polyethylene Tubes Round Bottom

➤ Further Closures p. 5 | 13

- Available in two different sizes
- Polyethylene tubes are characterised by good thermal and chemical resistance

Cat.-No.	112 301	115 301
ø [mm] x height [mm]	12 x 55	12 x 75
Volume [ml]	4	5
Sterile	-	-
Grip stopper, Cat.-No.	303 321	303 321
Quantity per bag/case	240/3600	250/2000

Tubes with Conical Bottom



Polystyrene Tubes Conical Bottom

➤ Further Closures p. 5 | 13

➤ Overview: See Technical Appendix for max. relative centrifugal force (RCF)

- The conical bottom makes them ideal for small volumes and for valuable sample material, since the sample collects at the bottom of the tube

- High clarity
- Available in different sizes and with the appropriate grip stopper

Cat.-No.	116 101	172 101
ø [mm] x height [mm]	12 x 75	16.5 x 103
Volume [ml]	4.5	13
Sterile	-	-
Grip stopper, Cat.-No.	303 321	317 321
Quantity per bag/case	60/3600	1500

Tubes with Screw Cap

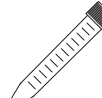
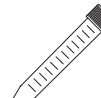


Polystyrene Tubes
Screw Cap, Conical / Round Bottom

- Further Closures p. 5 | 13
- Overview: See Technical Appendix for max. relative centrifugal force (RCF)
- Cell Culture Tubes p. 1 | 21
- Tube No. 163 177 also available as polypropylene version with white screw cap (Cat.-No. 163 270)

			
Cat.-No.	164 180	164 161	163 177
Bottom design	conical	conical	round
ø [mm] x height [mm]	16.8 x 100	16.8 x 100	17 x 100
Volume [ml]	12	12	12
Sterile	-	+	-
Screw cap	-	-	black
Bayonet cap ^{*)}	white	blue	-
Graduation	-	-	-
Writing area	-	-	-
Support skirt	+	+	-
Quantity per bag/case	1300	25/1000	900

^{*)} open by a 1/8 turn

				
Cat.-No.	188 161	188 171	186 161	186 171
Bottom design	conical	conical	round	round
ø [mm] x height [mm]	17 x 120	17 x 120	17 x 120	17 x 120
Volume [ml]	15	15	15	15
Sterile	+	+	+	+
Screw cap	blue	blue	blue	blue
Graduation	+	+	-	-
Writing area	+	+	-	-
Support skirt	-	-	-	-
Quantity per bag/case	50*/500	100/1000	50*/500	100/1000

^{*)} box

^{*)} box



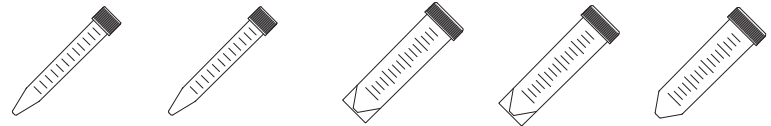
CELLSTAR® Polypropylene Tubes Screw Cap, Conical Bottom

- Overview: See Technical Appendix for max. relative centrifugal force (RCF)
- CELLSTAR® CELLreactor™ (50 ml polypropylene tube with filter screw cap) p. 1 | 22

- Optimal mechanical, thermal and chemical stability
- Available in different packaging units and types
- Light protection tubes for light-sensitive materials and reactions

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

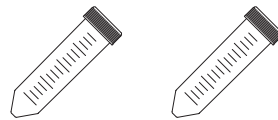
non-
cytotoxic



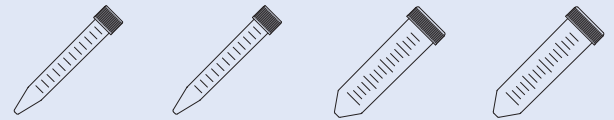
Cat.-No.	188 261	188 271	210 261	210 270	227 261
Bottom design	conical	conical	conical	conical	conical
ø [mm] x height [mm]	17 x 120	17 x 120	30 x 115	30 x 115	30 x 115
Volume [ml]	15	15	50	50	50
Sterile	+	+	+	+	+
Colour	natural	natural	natural	natural	natural
Screw cap	blue	blue	blue	blue	blue
Graduation	blue	blue	blue	blue	blue
Writing area	white	white	white	white	white
Support skirt	-	-	+	+	-
Quantity per bag/case	50*/500	100/1000	25/450	25*/300	20/500

*) box

*) box



Light Protection Tubes



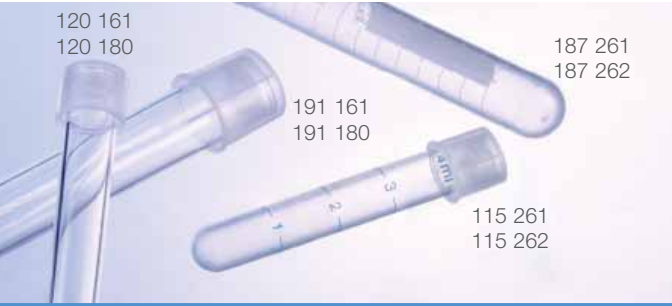
Cat.-No.	227 270	227 285	188 283	188 280	227 283	227 280
Bottom design	conical	conical	conical	conical	conical	conical
ø [mm] x height [mm]	30 x 115	30 x 115	17 x 120	17 x 120	30 x 115	30 x 115
Volume [ml]	50	50	15	15	50	50
Sterile	+	+	+	+	+	+
Colour	natural	natural	brown	brown	brown	brown
Screw cap	blue	white	blue	blue	blue	blue
Graduation	blue	blue	blue	blue	blue	blue
Writing area	white	white	white	white	white	white
Support skirt	-	-	-	-	-	-
Quantity per bag/case	25*/300	20/500	50*/500	100/1000	25*/300	20/500

*) box

*) box

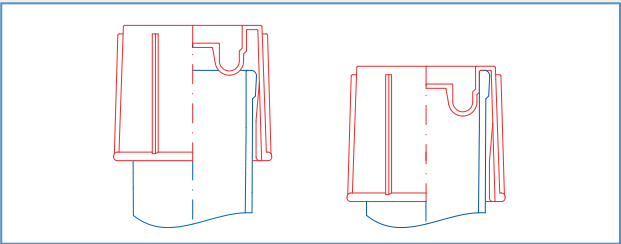
*) box

Tubes with Two-position Vent Stopper



Polystyrene Tubes
Polypropylene Tubes
Two-position Vent Stopper

- Available in different sizes and packaging units
- Also available with graduation



Two-position vent stopper fulfils two functions (Fig. 1):

1. When attached lightly, this enables a uniform ventilation of the tube contents
2. When attached firmly by pressing in the stopper further, an airtight closure of the tube is achieved

Figure 1:
Cross-section of a two-position vent stopper

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



Cat.-No.	120 161	120 180	191 161	191 180
Bottom design	round	round	round	round
Material	polystyrene	polystyrene	polystyrene	polystyrene
ø [mm] x height [mm]	12.4 x 75	12.4 x 75	18 x 95	18 x 95
Volume [ml]	4.5	4.5	14	14
Sterile	+	+	+	+
Two-position vent stopper	+	+	+	+
Graduation	-	-	-	-
Writing area	-	-	-	-
Quantity per bag/case	1/1000	25/2000	1/750	25/1000



Cat.-No.	115 261	115 262	187 261	187 262
Bottom design	round	round	round	round
Material	polypropylene	polypropylene	polypropylene	polypropylene
ø [mm] x height [mm]	12 x 75	12 x 75	18 x 95	18 x 95
Volume [ml]	5	5	14	14
Sterile	+	+	+	+
Two-position vent stopper	+	+	+	+
Graduation	+	+	+	+
Writing area	-	-	+	+
Quantity per bag/case	1/1000	25/2000	1/800	25/1000