





TUBES, MICROTUBES AND CRYOVIALS

 deltalab

Round bottom polystyrene tubes

Manufactured from high technology, new generation moulds to ensure the reproducibility of each tube.
Tubes are made in one piece to ensure uniformity and dimensional accuracy from tube to tube.

mod.	code	dimensions mm	volume ml	case quantity	case weight	case volume	cases per pallet
1	300500	11 x 55	3	2 x 2,000	6.50	0.046	32
2	300300	11 x 70	4	3 x 1,000	6.20	0.045	32
3	300800*	12 x 75	5	4 x 1,000	9.52	0.075	20
4	300800.2	12 x 75 thick wall	5	4 x 1,000	10.70	0.075	20
5	300800.1	12 x 75	5	4 x 1,000	9.75	0.072	20
6	300400*	12 x 88	6	4 x 1,000	11.30	0.082	20

*Codes with graduation rings.

Code 300800 (mod. 3) is graduated at 1, 2.5 and 4 ml. Code 300400 (mod. 6) is graduated at 1, 2.5 and 5 ml.

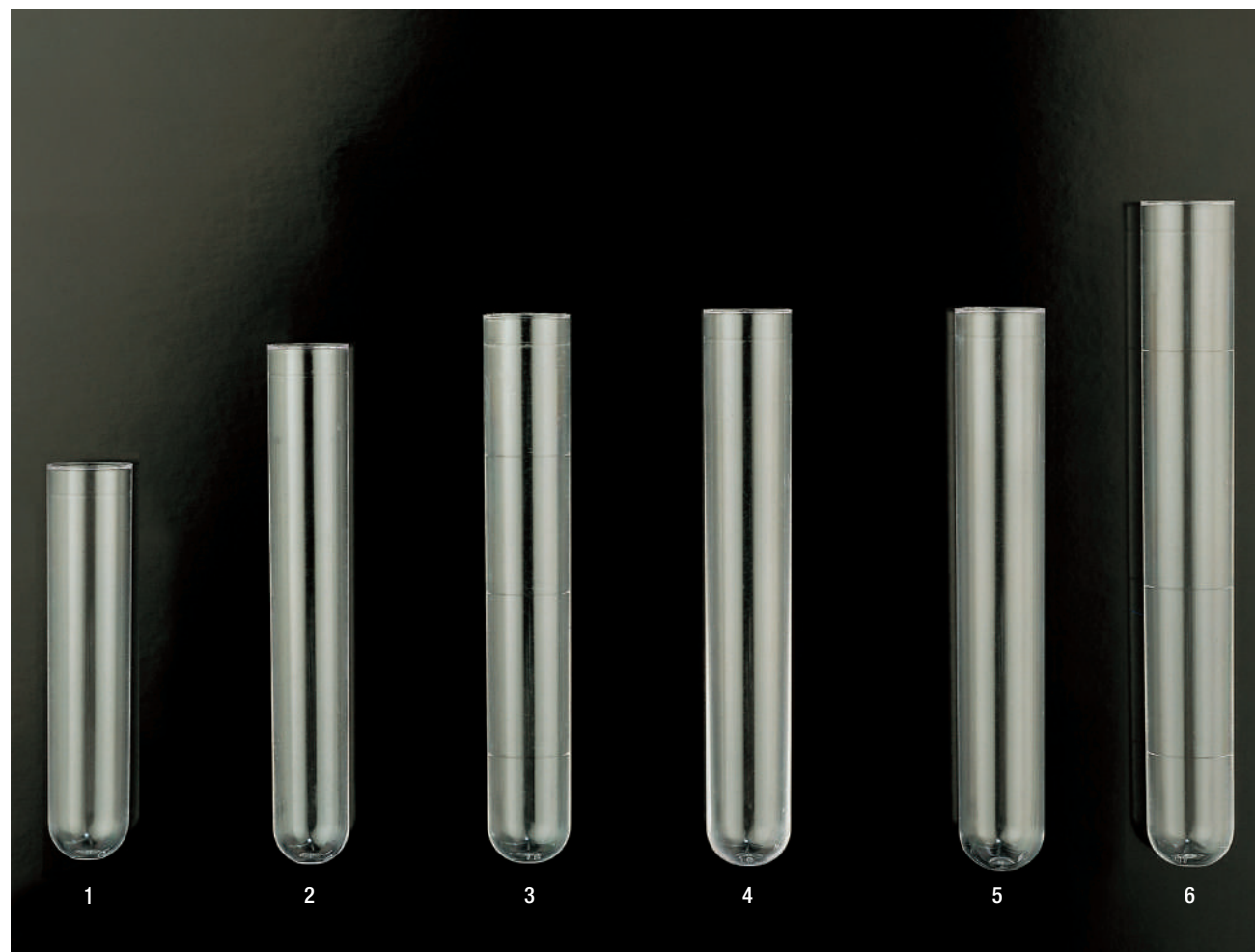
Suitable for centrifugation up to 7,500 xg.

All tubes are suitable for laboratory use.

A complete range of test tube caps is detailed on page 147 of this catalogue.

Dimensions (±0.09)

code	internal diameter mm	external diameter mm	total length mm	maximum volume ml
300500	10	11.5	54.4	3.5
300300	9.1	10.8	69.4	4.0
300800	10.3	11.8	74.5	5.5
300800.1	10.2	11.8	74.5	5.5
300800.2	10	11.8	74.5	5.3
300400	10.4	12	87.6	5.9



Round bottom polystyrene tubes

Manufactured from high technology, new generation moulds to ensure the reproducibility of each tube. Tubes are made in one piece to ensure uniformity and dimensional accuracy from tube to tube.

mod.	code	dimensions mm	volume ml	case quantity	case weight	case volume	cases per pallet
1	300700	13 x 75	5	4 x 1,000	13.04	0.082	20
2	301700	13 x 100	7	6 x 500	11.24	0.084	20
3	300900*	16 x 95	10	5 x 500	12.10	0.096	16
4	300705	16 x 100	10	5 x 500	15.00	0.110	16
5	300100	16 x 150	17	1,000	9.84	0.093	20

*Code with graduation rings at 2.5, 5 and 10 ml.

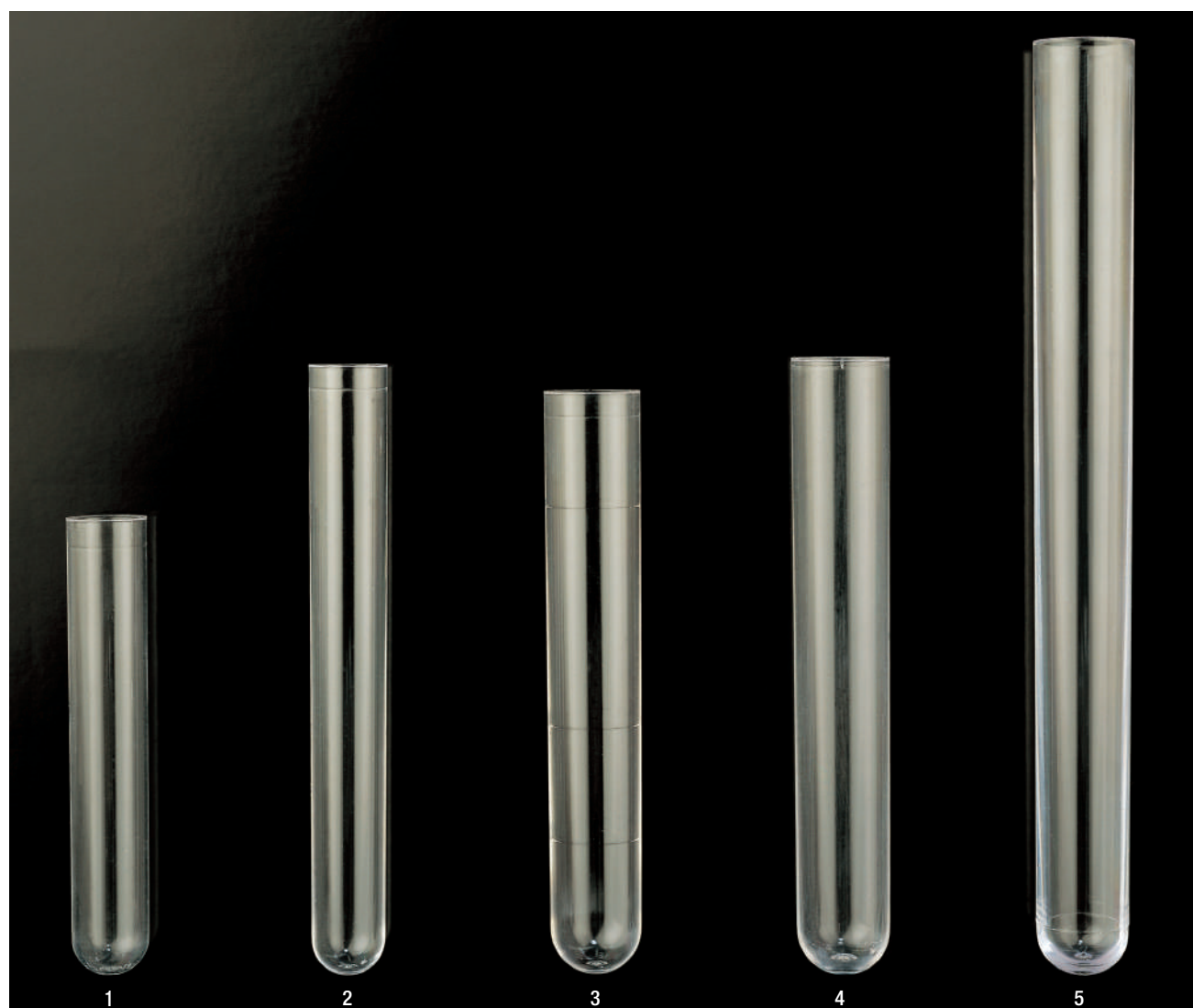
Dimensions (±0.09)

code	internal diameter mm	external diameter mm	total length mm	maximum volume ml
300700	10.9	12.9	74.7	6.7
301700	11.0	12.9	99.6	8.3
300900	13.8	15.8	94.6	12.2
300705	13.8	16.0	99.8	13.2
300100	14.6	16.3	151.0	21.1

Suitable for centrifugation up to 7,500 xg.

All tubes are suitable for laboratory use (excepting code **300100**, which does not withstand centrifugation).

A complete range of test tube caps is detailed on page 147 of this catalogue.



Ultra clear polypropylene round bottom tubes

Manufactured from high technology, new generation moulds to ensure the reproducibility of each tube.

Tubes are made in one piece to ensure uniformity and dimensional accuracy from tube to tube.

Autoclavable up to 121 °C.

mod.	code	dimensions mm	volume ml	case quantity	case weight	case volume	cases per pallet
1	400500	11 x 55	3	2 x 2,000	6.50	0.045	32
2	400800*	12 x 75	5	4 x 1,000	8.00	0.075	20
3	400800.1	12 x 75	5	4 x 1,000	8.00	0.075	20
4	400700	13 x 75	5	4 x 1,000	11.15	0.082	20
5	400400*	12 x 88	6	4 x 1,000	9.60	0.082	20
6	401700	13 x 100	7	6 x 500	9.40	0.082	20
7	400900*	16 x 95	10	5 x 500	10.10	0.096	16
8	400705	16 x 100	10	5 x 500	12.20	0.096	16
9	401100*	15 x 50	5	5 x 1,000	10.40	0.082	20

*Codes with graduation rings.

400800 (mod. 2): graduated at 1, 2.5 and 4.0 ml; code 400400 (mod. 5): graduated at 1, 2.5 and 5.0 ml; 400900 (mod. 7): graduated at 2.5, 5 and 10 ml; 401100 (mod. 9): graduated at 2.5 and 5 ml.

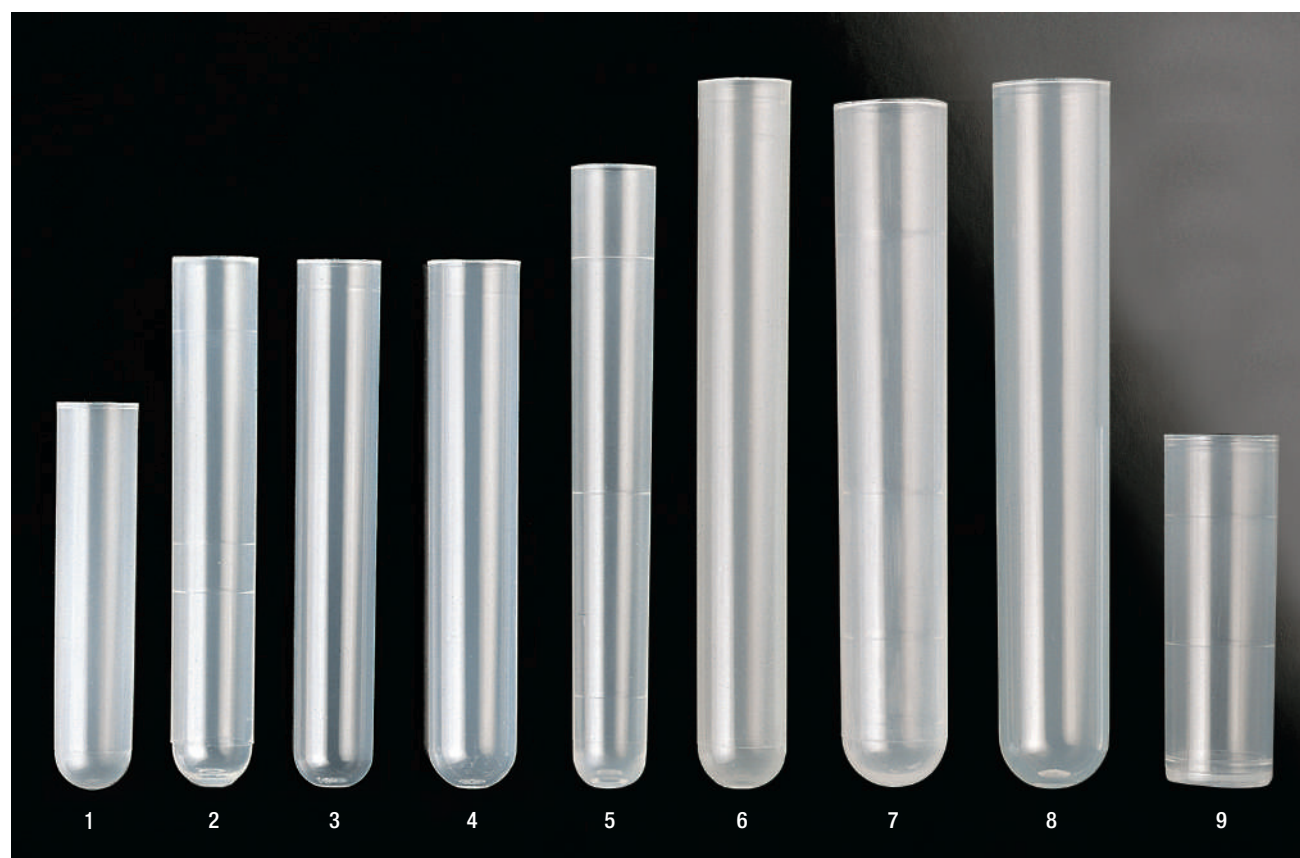
Suitable for centrifugation up to 15,000 xg.

All tubes are suitable for laboratory use.

A complete range of test tube caps is detailed on page 147 of this catalogue.

Dimensions (±0.09)

code	internal diameter mm	external diameter mm	total length mm	maximum volume ml
400500	9.9	11.4	53.9	3.4
400800	10.3	11.7	73.9	5.3
400800.1	10.2	11.7	73.9	5.3
400700	10.9	12.7	73.7	6.4
400400	10.3	11.9	86.9	5.8
401700	11.0	12.7	98.4	8.1
400900	13.7	15.5	93.7	11.9
400705	13.7	15.8	98.6	12.7
401100	13.7	15.5	48.9	6.5



Polystyrene round bottom tubes capped

Volume:

code **300702**: 5 ml.

code **300903**: 10 ml.

code **300907**: 11 ml.

Suitable for centrifugation up to 7,500 xg.



mod.	code	dimensions tube mm	height tube + cap mm	case quantity	case weight	case volume	cases pallet
1	300702	13 x 75	83.4	2 x 1,000	7.92	0.045	32
2	300903	16 x 95	105.2	4 x 500	13.00	0.110	48
3	300907	16 x 100	109.6	4 x 500	15.41	0.110	12

Components :

mod.	code	tube	cap
1	300702	300700	307107
2	300903	300900	308107
3	300907	300705	308107



Polystyrene round bottom tubes, capped and labelled

Volume:

code **300704**: 5 ml.

code **300904**: 10 ml.

code **300908**: 11 ml.

Dimensions of the label: 35 x 25 mm.

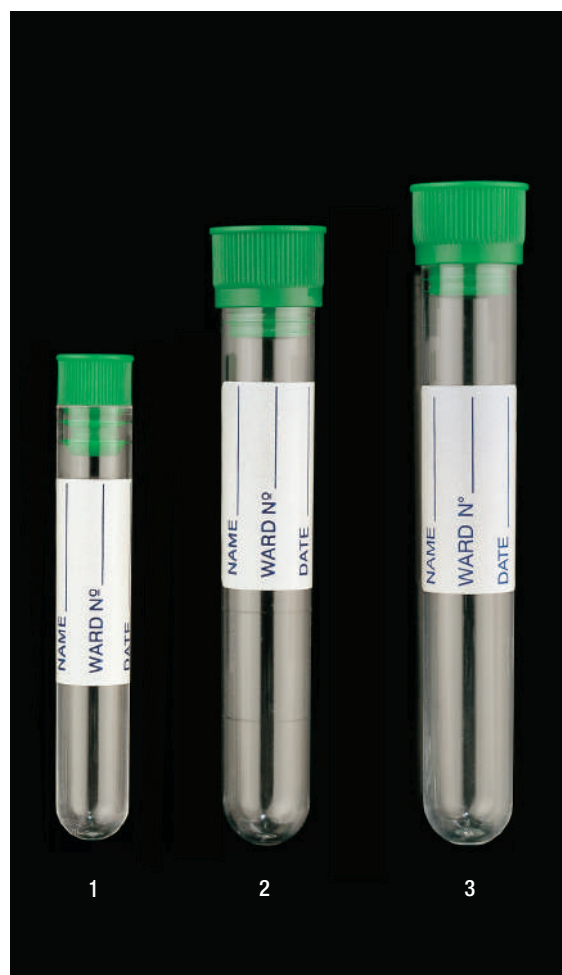
Suitable for centrifugation up to 7,500 xg.



mod.	code	dimensions tube mm	height tube + cap mm	case quantity	case weight	case volume	cases pallet
1	300704	13 x 75	83.4	2 x 1,000	7.50	0.046	40
2	300904	16 x 95	105.0	4 x 500	13.00	0.110	48
3	300908	16 x 100	110.4	4 x 500	14.00	0.110	16

Components :

mod.	code	tube	cap	label
1	300704	300700	307107	✓
2	300904	300900	308107	✓
3	300908	300705	308107	✓



See chapter
Containers. Sampling



Conical tubes

Manufactured in polypropylene (PP) and polystyrene (PS).

mod.	code	autoclavable	dimensions mm	material	volume ml	case quantity	case weight	case volume	cases per pallet
1	301200*		16 x 102	PS	12	5 x 500	12.92	0.096	16
2	401200*	✓	16 x 102	PP	12	5 x 500	10.60	0.096	16
3	301213		17 x 105	PS	12	1,500	8.80	0.088	20
4	301212		17 x 105	PS	12	1,500	8.80	0.088	20
5	301201		16 x 100	PS	12	5 x 500	12.63	0.096	16
6	401201	✓	16 x 100	PP	12	5 x 500	10.75	0.096	16
7	301202		16 x 102	PS	12	5 x 500	12.90	0.096	16
8	401204*	✓	16 x 100	PP	12	5 x 500	10.20	0.096	16

* Codes with internal graduations.

Codes **301213** (mod. 3) and **301212** (mod. 4) are flared at their top for easy pouring and have a special sedimentation base.

Codes **301200** (mod. 1), **401200** (mod. 2) and **301202** (mod. 7) have an external rim.

All models are suitable for centrifugation.
PS tubes: **7,500 xg**; PP tubes: **15,000 xg**.
Except code **301212** and **301213** to **3,000 xg**.

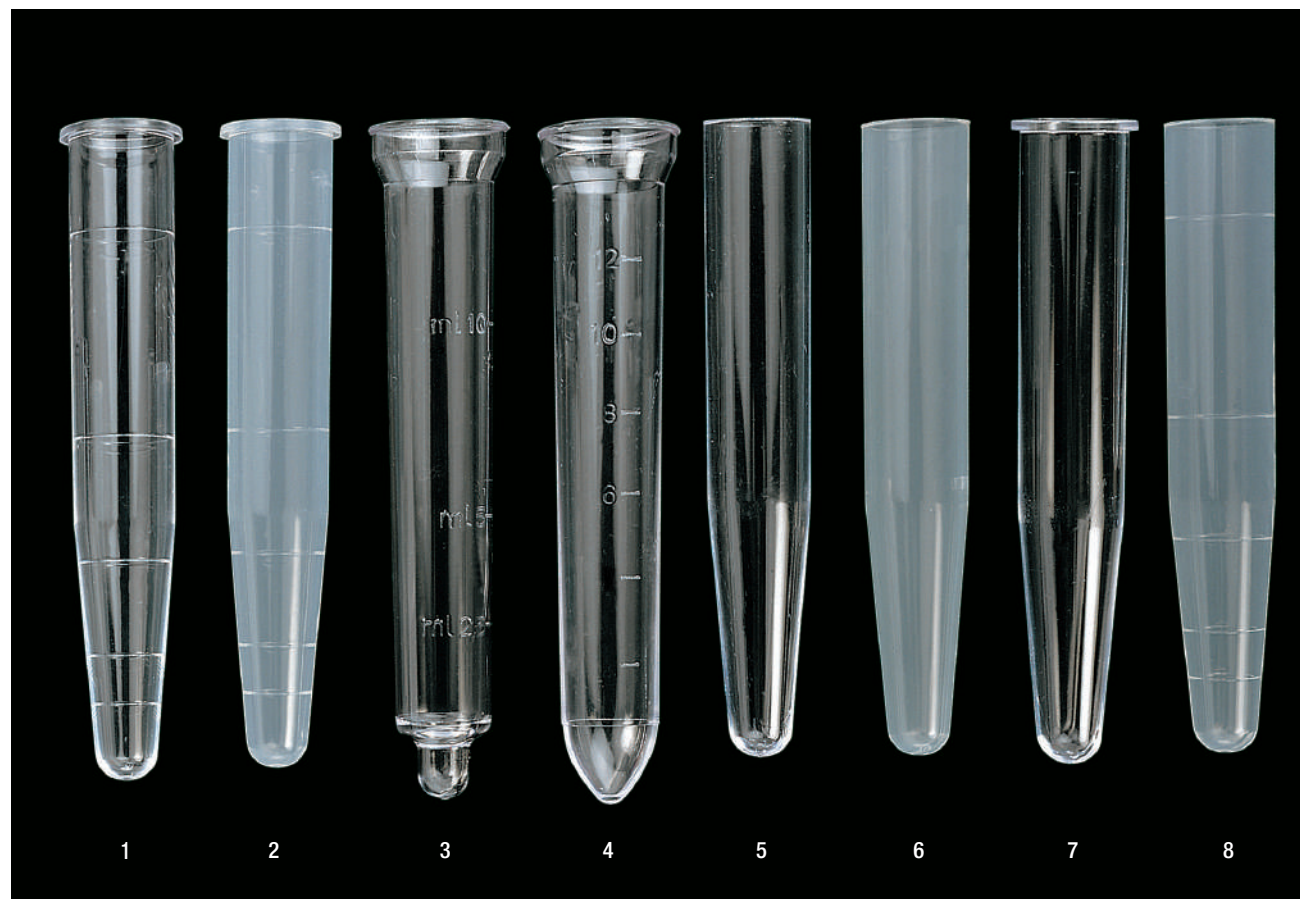
Dimensions (±0.09)

code	internal diameter mm	external diameter mm	total length mm	maximum volume ml
• 301200	14.5	19.1/16.4	100.8	12.9
• 401200	14.4	18.8/16.2	99.8	12.5
• 301213	15.4/19.2	17.1/19.2	105.1	16.5
• 301212	15.4/19.2	17.1/22.0	105.0	16.4
301201	14.5	16.4	99.5	12.9
401201	14.4	16.2	98.4	12.5
• 301202	14.5	19.1/16.4	100.8	12.9
401204	14.4	16.2	98.4	12.5

• External diameter of the rim.



PP
mod. 2, 6, 8



Bouchons polyéthylène

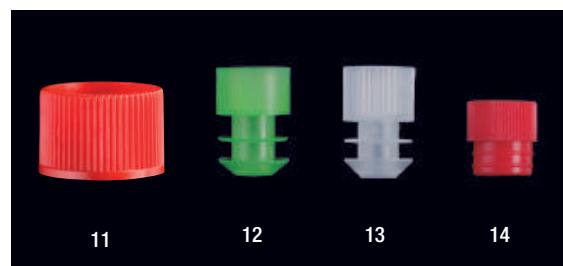
mod.	code	to fit tubes	yellow	natural	brown	malve	blue	green	red	black	bag quantity	bag weight	bag volume
			(to add at the end of the code)										
1	3053	300500, 400500, 300800.2		02	03	08		07	06		2 x 2.000	1.60	0.009
2	3058	300800, 400800, 300800.1, 300400, 400400, 400800.1		02		08	05	07	06	09	2.000	1.76	0.007
3	3071	300700, 301700, 400700, 401700, 300701, serie 300700.6	01	02		08	05	07	06	09	2.000	1.50	0.007
4	3072	300705, 300900, 400705, 400900, 401100, 300707		02			05	07	06		2.500	3.00	0.018
5	3050	300705, 300900, 400705, 400900, 401100, 300907, 300904, 300908		02		08		07			2.500	3.26	0.019
6	3081	300705, 300900, 400705, 400900, 401100, 300707, 300907, 300904, 300908		02				07	06		2.500	5.00	0.023
7	3070	300100							06		1.000	1.20	0.012
8	3055	301201, 401201, 301200, 401200, 301202, 401204		02				07			2.500	4.00	0.018
9	3082	301201, 401201, 401204		02			05				2.500	5.10	0.023
10	3066	301213, 301212	01								1.500	1.28	0.012

Ask for other colours.



mod.	code	recommended tubes	colour	bag quantity	bag weight	bag volume
NEW 11	705722	300705, 300900, 400705, 400900, 401100	red	1.000	1,08	0,096
NEW 12	701061	300800, 300801	green	1.000	0,70	0,003
NEW 13	701034	300300	natural	1.000	0,66	0,003
NEW 14	705595	300500, 300800.2	red	1.000	0,70	0,003

Ask for other colours.



Re-caps

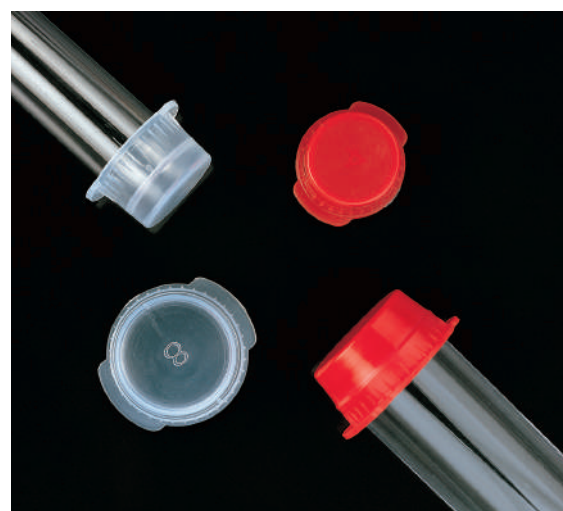
Ideal for re-capping blood collection tubes «vacuum type».
Suitable for other glass and plastic tubes.
Manufactured in flexible polyethylene.
Easy to cap and remove.

Please find racks for these tubes on chapter **Sample Storage**



code	description	bag quantity	bag weight	bag volume
308502	Ø 12-13 mm natural colour	6 x 1,000	1.70	0.025
308506	Ø 12-13 mm red colour	6 x 1,000	2.18	0.025
308602	Ø 15,2-16 mm natural colour	6 x 1,000	1.70	0.025
308606	Ø 15,2-16 mm red colour	6 x 1,000	2.18	0.025

Other colours available on request, minimum order quantity is 6,000 units.



General features of our caps



Includes an internal chamber for more liquid filling, thus compensating for the loss of space inside the tube caused by the insertion of a cap.



code	internal diameter mm	external diameter mm	total length mm
3050	13.95	19.30	13.15



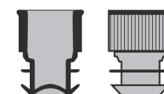
Includes a small internal chamber. Light-weighted. Ergonomical. Ribbed for a better handling while using gloves.



code	internal diameter mm	external diameter mm	total length mm
3053	10.00	11.85	11.30



Those three flange plug caps present significant advantages over other flange caps existing on the market.



code	internal diameter mm	external diameter mm	total length mm
3055	14.50	17.05	21.77
3072	15.40	17.00	21.60
3071	11.25	13.30	17.40



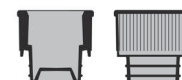
Light-weighted. Includes a lifting tab for easy opening.



code	internal diameter mm	external diameter mm	total length mm
3066		23.30	5.90



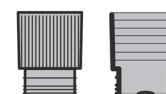
Includes a small internal cavity designed to prevent possible drop spillage. Ergonomical. Ribbed for a better handling while using gloves.



code	internal diameter mm	external diameter mm	total length mm
3058	10.60	15.00	15.30



Ribbed for a better handling while using gloves. No chamber. Leakproof. Includes four internal rims to clamp firmly on tube.



code	internal diameter mm	external diameter mm	total length mm
3070	14.90	19.20	25.35



One of the caps offering the largest chamber on the market, thus compensating for the loss of space inside the tube caused by the insertion of a cap.



code	internal diameter mm	external diameter mm	total length mm
3081	13.80	19.68	19.00



It has the same characteristics than the previous cap.



code	internal diameter mm	external diameter mm	total length mm
3082	14.55	20.45	18.50

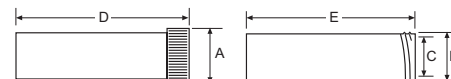
EUROTUBO® 12 ml screw cap tubes, round bottom

Made of **autoclavable** (121 °C) transparent polypropylene or polystyrene. Green cap made of high density polyethylene. Dimensions: 15 x 102 mm. The external skirt allows the tubes to remain **free-standing**. Supplied screwed. Recommended volume: 12 ml. The sterile model (ethylene oxide) is supplied individually in flow-pack bag, with indication of batch, expiration date, etc. According to the guidelines for sterile products.

Attention: For autoclaving, the cap should be loose on the thread and not tightly fitted.

Dimensions (±0,09):

code	external cap Ø mm A	external tube Ø mm B	internal tube Ø mm C	length with cap mm D	length without cap mm E
301402, 301403	20.9	16.3	14.4	103.9	102.5
401402, 401403	20.9	16.2	14.3	102.9	101.5



mod.	code	description	autoclavable	sterile	maximum volume ml	volume recom. ml	case quantity	case weight	case volume	cases pallet
1	301403	polystyrene		no	14.4	12	6 x 250	12.90	0.082	20
2	301402	polystyrene individually wrapped		STERILE EO	14.4	12	6 x 250	13.40	0.096	16
3	401402	polypropylene individually wrapped	✓	STERILE EO	14.2	12	6 x 250	12.03	0.096	16
4	401403	high transparency polypropylene	✓	no	14.2	12	6 x 250	11.11	0.082	20

Resistance to centrifugation:
PS: 7,500 xg. PP: 15,000 xg.

PP
mod. 3, 4



Sterile culture tubes in polystyrene

Tubes supplied with either a two position ribbed polyethylene cap, which can be left loose for aerobic work or sealed for anaerobic cultures. They are biologically inert, exempt from mold release agents, and withstand up to **70 °C**. Packaged in self-standing resealable zip-lock bags of 125 units.

Resistance to centrifugation: 1,400 xg



Loose position
for aerobic work



Sealed position for anaerobic
cultures

code	dimensions mm	case quantity	case weight	case volume	volumen caja
300807	12 x 75	5	8 x 125	4.24	0.033
300808	17 x 100	14	8 x 125	7.14	0.060



15 ml and 50 ml centrifugal tubes

Made of polypropylene, suitable for both clinical and research applications. **DNAsa, RNAsa, human DNA and endotoxins.** They are also free from natural rubber and heavy metals. High transparency of the material for a clear visualization during experiments specially for molecular biology and animal tissue culture.

Tube and cap designed with the system of flat threads for a complete leakproof. Highly smooth hydrophobic surface for minimum disturbance during centrifugation. Silk-screen blue graduation in the tube and large white frosted portion for easy writing.

Autoclavable at 121 °C.

Centrifugation resistance: **14.000 xg**, except code **429931: 7.500 xg** and codes **429950, 429951: 3.500 xg**

It is recommended to use adapters to centrifuge and avoid malformations.

Available models: 15 ml non-skirted and 50 ml skirted and non-skirted.

15 ml tubes		50 ml tubes		It is recommended that the centrifuge caps fit in size and shape to the tubes to be centrifuged.
Ø Exterior: 16,5 mm	Height: 121mm	Ø Exterior: 29,2 mm	Height: 116 mm	

code	description	presentation	sterile	case weight	case volume	cases per pallet
15 ml tubes						
429940	non-skirted tube	500 tubes in bulk	no	500	4.50	0.034
429945	non-skirted tube	20 bag to 25 tubes	no	500	4.50	0.0281
429942	non-skirted tube	20 bag to 25 tubes	STERILE R	20 x 25	4.02	0.04
50 ml tubes						
429930	non-skirted tube	20 bag to 25 tubes	no	500	7.70	0.09
429931	non-skirted tube	20 bag to 25 tubes	STERILE R	20 x 25	7.44	0.108
429950	non-skirted tube	20 bag to 25 tubes	no	500	8.80	0.09
429951	non-skirted tube	20 bag to 25 tubes	STERILE R	20 x 25	8.80	0.108



15 ml and 50 ml conical high resistance tubes. Sterile

Tubes made of transparent, copolymer polypropylene. Green caps made of polyethylene with an internal liner which ensures leakproofness.

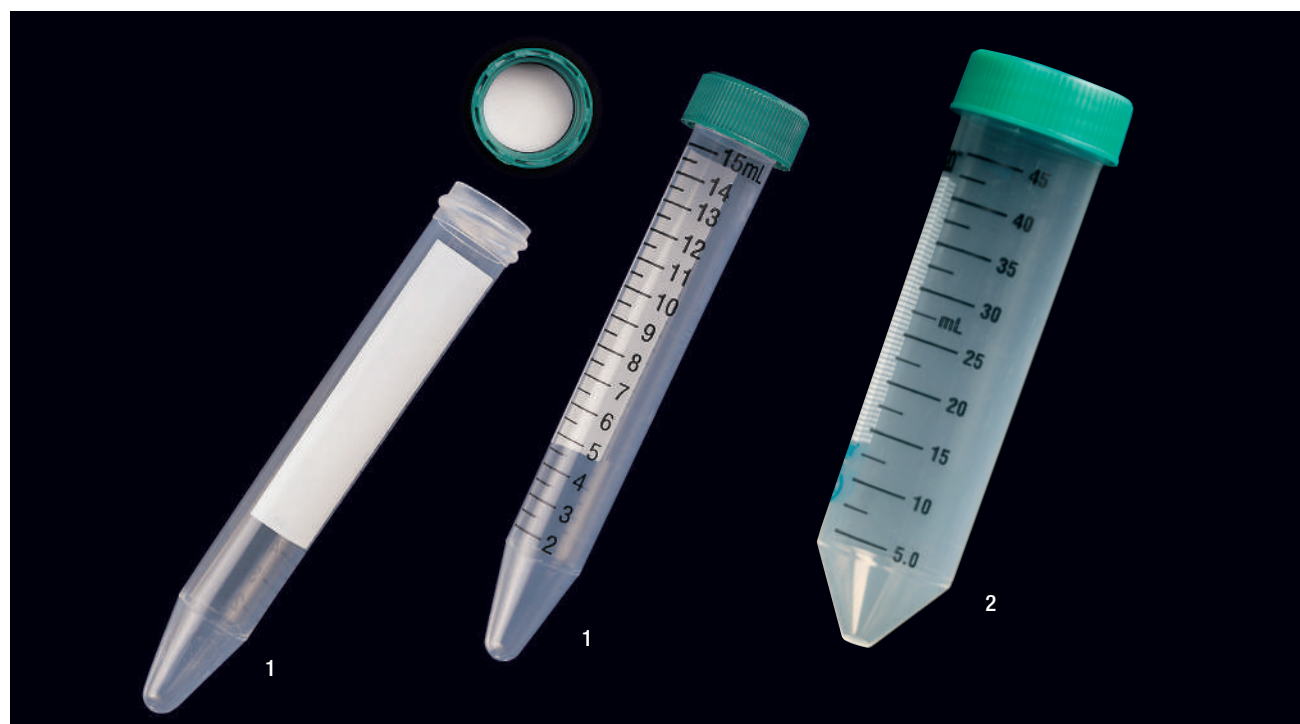
Tubes feature a solvent resistant white panel and black graduations for use both for clear or dark samples. **DNase, RNase, endotoxins and metal free.**

They are **sterile by radiation** and withstand temperatures down to **−90 °C** (15 ml) and **−80 °C** (50 ml). Resistance to centrifugation: **17,000 xg** (15 ml) and **20,000 xg** (50 ml). Autoclavable tube (the liner of the cap is not autoclavable)

Supplied in bags of 50 units.

Bags are printed with instructions for use and feature a double closure: a first tamper evident seal that helps guaranteeing sterility, and a secondary zip-lock, resealable closure.

	code	presentation	capacity ml	dimensions mm	case quantity	case weight	case volume
1	409920	bag 50 units	15	17 x 118	10 x 50	3.90	0.035
2	409922	bag 50 units	50	29.6 x 114.6	10 x 50	8.07	0.076



5 and 10 ml freestanding, conical bottom tubes

Freestanding tubes with screw caps. Conceived for sampling, transport and midterm storage. Feature molded graduations at 1 ml increments and a large surface for labeling and identification. Round bottom tubes made of **autoclavable** polypropylene, leakproof caps made of polyethylene.

Withstand temperatures between **121 °C** and **−40 °C**.

Certified to the **IATA 95kPA** standard for safe shipping of samples transport by air.



Dimensions (±0,5):

code	external cap Ø mm	internal tube Ø mm	length with cap mm	length without cap mm
439905	15.8	14.17	60.20	58.62
439910	15.8	14.17	94.74	92.96

code	description	case quantity	case weight	case volume
439905	5 ml PP thread tube	500	2.72	0.016
439910	10 ml PP thread tube	2 x 500	6.35	0.055



EUROTUBO® 15 ml and 50 ml conical tubes

Tubes made of transparent polypropylene, conical bottom. Suitable for centrifugation tests in immunology laboratories, microbiology, etc. With continuous thread and molded external graduation each 0.5 ml in 15 ml tubes, and each 5 ml in 50 ml tubes.

Blue polyethylene cap with internal elastic obturation to assure an hermetical closure.

Resistance to centrifugation:

15 ml tubes, non sterile models until **7.000 xg**, sterile models **5.000 xg**. The 15ml tubes have a matt area.

50 ml tubes, non sterile models until **12.000 xg**, sterile models **7.000 xg**.

Sterile models are not suitable for autoclaving.

Non sterile models are **autoclavable at 121 °C**, with the cap positioned on the thread but uncapped.

50 ml tubes have skirted and non skirted models.

code	description	sterile	external cap Ø mm	internal tube Ø mm	external tube Ø mm	length with cap mm	case quantity	case weight	case volume	cases per pallet
15 ml conical tubes										
429910	non sterile	no	20.9	14.35	17	120	500	3.94	0.030	54
429920	100 units in bag	STERILE R	20.9	14.35	17	120	5 x 100	3.90	0.029	54
429946	individually bagged	STERILE R	20.9	14.35	17	120	500	3.96	0.040	40
50 ml conical tubes										
429900	non skirted	no	34.4	27.2	29.5	117.5	500	7.80	0.072	20
429900SP	non skirted, unscrewed cap	no	34.4	27.2	29.5	117.5	500	7.90	0.082	20
429901	skirted	no	34.4	27.2	29.5	117.5	500	8.50	0.082	20
429926	non skirted, individually wrapped	STERILE R	34.4	27.2	29.5	117.5	500	8.00	0.080	20
429926.25	non skirted, bag 25 units	STERILE R	34.4	27.2	29.5	117.5	20x25	8.30	0.082	20
429926.10	non skirted, bag 100 units	STERILE R	34.4	27.2	29.5	117.5	5x100	7.90	0.082	20
429927	skirted, individually wrapped	STERILE R	34.4	27.2	29.5	117.5	500	8.80	0.082	20
429927.25	skirted, bag 25 units	STERILE R	34.4	27.2	29.5	117.5	20x25	8.80	0.082	20
429927.10	skirted, bag 100 units	STERILE R	34.4	27.2	29.5	117.5	5x100	8.50	0.082	20

It is recommended that the centrifuge caps fit in size and shape to the tubes to be centrifuged.



GLASS TUBE RANGE

The high quality of our range of disposable glass culture tubes and screw threaded tubes is reflected in the uniformity of their wallthickness, shape of their bottoms, close tolerances, well formed bottoms and well moulded screw-neck. All of our tubes are fully annealed at temperatures above **500 °C** to eliminate contamination, reduce breakage and increase strength. The majority of our tubes are packaged in plain outer cases. Each tube is polished individually.

Culture tubes:

They are available in either borosilicate or soda lime glass. Both glasses differ primarily in their chemical composition and their chemical resistance.

Borosilicate glass is a type of glass with a higher resistance to thermal shock. For this reason borosilicate glass is more suitable when tubes are intended to be heated or cooled rapidly.

Soda lime glass is a more economical alternative and suits for most culture medium, bacteriological and laboratory applications where the tube will not be subjected to extreme temperature changes.

Screw-neck tubes are ideal for tissue culture and general bacteriological work. Tubes are supplied with standard GPI finishes.

The screw – neck vials are made of borosilicate glass and are basically used for diagnosis, pharmaceuticals, chemicals, laboratory analysis, storage of liquids and powders. The caps presented are manufactured in autoclavable polypropylene with internal silicone joint.

Different packagings are available, depending on the model of tube:

Boxes: sturdy cardboard boxes. Each box contains small shrink-wrapped cases. Tubes are presented horizontally.

Trays: sturdy shrink-wrapped cardboard trays. Tubes are presented vertically.



Pressure cap for glass tubes

Made of polypropylene, **autoclavable up to 121 °C**.

Recommended for glass tubes.

Codes **916100, 816100, 916150, 816150** and **816160**.

Vented caps (with inner flats).



code	recommended for tubes Ø mm	colour	case quantity	case weight	case volume
617402	16	naturel	4 x 1,000	5.15	0.059



Round bottom glass tubes

Made of **borosilicate** or **soda glass**.

The high quality of those tubes is reflected in the uniformity of their wall thickness and of their diameter and height dimensions.

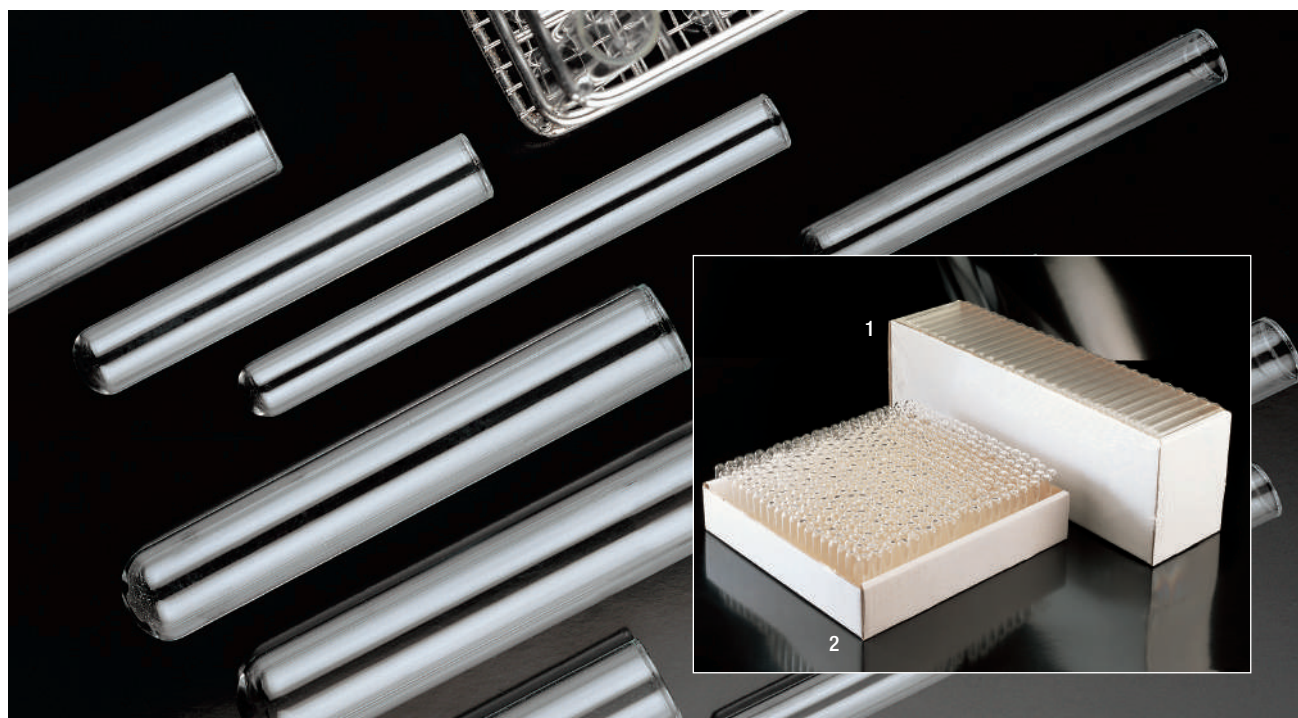
Supplied in small quantities per case for a more convenient use in laboratory.

Soda tubes

code	total capacity ml	Ø int. mm tube	Ø ext. mm tube	height mm	thickness mm	case quantity	case weight	case volume
Supplied in boxes (1)								
801075	4	8.20	9.75	75	0.60	4 x 250	3.60	0.010
801275	6	10.20	11.60	75	0.60	4 x 250	4.50	0.013
813100	10	11.10	12.70	100	0.60	4 x 250	6.59	0.022
816100	15	13.95	15.75	100	0.60	4 x 250	9.46	0.034
816150	22	13.55	16.00	150	0.70	4 x 250	13.22	0.049
816160	27	14.40	16.00	160	0.55	500	5.50	0.018
818150	28	15.00	18.00	150	0.85	2 x 250	7.30	0.030
820150	34	17.20	20.00	150	0.85	100	1.92	0.006
820200	47	17.15	19.25	200	0.85	250	6.30	0.020
Supplied in trays (2)								
801175T	6	10.10	11.60	75	0.50	550	1.86	0.005

Boro tubes

code	glass type	total capacity ml	Ø int. mm tube	Ø ext. mm tube	height mm	thickness mm	case quantity	case weight	case volume
Supplied in boxes (1)									
901075	Boro 5.1	4	8.20	9.75	75	0.60	4 x 250	3.60	0.010
901275	Boro 5.1	6	10.20	11.60	75	0.60	4 x 250	4.50	0.014
913100	Boro 5.1	10	11.10	12.70	100	0.60	4 x 250	5.92	0.022
916100	Boro 5.1	15	13.95	15.75	100	0.60	4 x 250	9.10	0.034
916150	Boro 5.1	22	13.55	16.00	150	0.70	4 x 250	13.60	0.049
918150	Boro 5.1	28	15.00	18.00	150	0.85	4 x 125	7.30	0.040



Screw threaded glass tubes

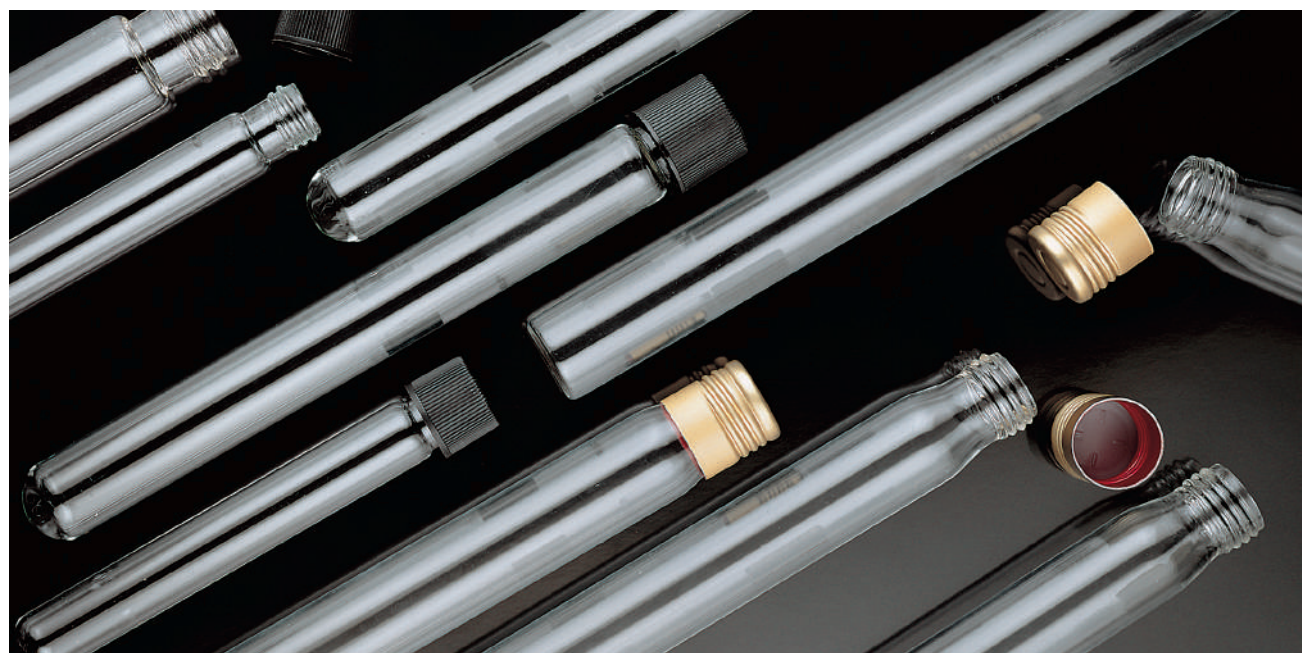
Made of **borosilicate** or **soda glass**. The high quality of those screw threaded tubes is reflected in the uniformity of their wall thickness and of their diameter and height dimensions. Supplied in small quantities per case for a more convenient use in laboratory. Tubes are supplied without caps. To order caps see below. Polypropylene caps are designed for the round bottom tubes. Aluminium caps are designed for flat bottom tubes.

Soda glass tubes

code	total capacity ml	screw	Ø int. mm tube	Ø ext. mm tube	height mm	thickness mm	case quantity	case weight	case volume	suitable cap
Flat bottom soda glass tubes supplied in trays										
617145	24	CAPALU 16	14.20	17.75	144.5	1.05	252	5.54	0.010	617000

Borosilicate glass tubes

code	glass type	total capacity ml	screw	Ø int. mm tube	Ø ext. mm tube	height mm	thickness mm	case quantity	case weight	case volume	suitable cap
Round bottom tubes, supplied in boxes.											
713100	Boro 5.1	5	13 - 415	10.65	12.75	100	1.00	4 x 250	9.56	0.021	617100
716100	Boro 5.1	11	15 - 415	14.00	16.00	100	1.05	4 x 250	12.36	0.033	617200
716125	Boro 5.1	14	15 - 415	14.00	16.00	125	1.05	4 x 250	14.91	0.045	617200
716150	Boro 5.1	18	15 - 415	14.00	16.00	150	1.05	4 x 250	17.42	0.047	617200
720150	Boro 3.3	34	18 - 415	17.70	20.00	150	1.15	4 x 125	11.80	0.036	617300



Screw caps for the above tubes

For round bottom borosilicate glass tubes, choose **polypropylene caps (black colour)**. For flat bottom soda glass tubes, choose **aluminium caps**, with an internal liner made of caoutchouc. Code **617000** incorporates a polypropylene gasket. Pharmaceutical quality.

Both models of caps are fully **autoclavable**.

code	suitable tube	type of cap	bag quantity	bag weight	bag volume
617000*	617145	aluminium	500	0.76	0.003
617100	713100/617145	polypropylene	1,000	0.86	0.005
617200	716100 / 716125 / 716150	polypropylene	1,000	1.50	0.007
617300	720150	polypropylene	500	1.03	0.012

* Carry polypropylene gasket.



Flat bottom screw threaded vials

Made of ultra clear borosilicate glass. Fully **autoclavable**.

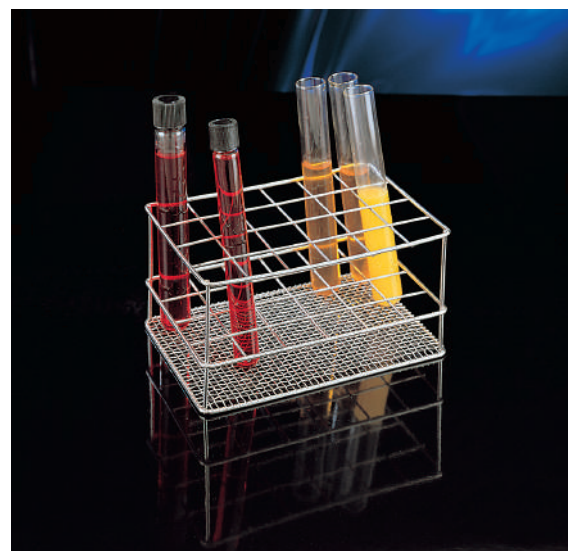
Supplied in trays individually shrink-wrapped. Thickness: 1 mm. Caps are supplied separately. To order caps see below.

mod.	code	glass type	dimensions mm	volume ml	screw	tray quantity	tray weight	tray volume	suitable cap
1	900204	Boro 5.1	15 x 45	4	13-425	100	0.40	0.0010	917000
2	900205	Boro 4.9	18 x 50	5	15-425	250	1.82	0.0042	918000
3	900211	Boro 5.1	22 x 48	10	18-400	100	0.94	0.0024	922000
4	900212	Boro 5.1	19 x 65	12	18-400	100	1.10	0.0020	922000
5	900220	Boro 4.9	28 x 65	20	22-400	2 x 150	2.70	0.0100	928000
6	900225	Boro 5.1	28 x 70	24	22-400	100	1.52	0.0057	928000

Caps for the above vials

Made of **autoclavable** polypropylene. Black caps feature an internal silicone joint.

mod.	code	screw	bag quantity	bag weight	bag volume
A	917000	13-425	100	0.11	0.0003
B	918000	15-425	250	0.32	0.0006
C	922000	18-400	250	0.53	0.0026
D	928000	22-400	300	0.98	0.0062



Racks for containers up to 23 mm Ø

Made of stainless steel. 25 mm square holes.

Features a strong woven mesh base.



See other racks for tubes in chapter **Sample Storage**



code	large x width x height mm	tubes capacity	quantity	weight	volume
D-200	265 x 265 x 85	100 (10 x 10)	1	0.50	0.0078
D-230	219 x 166 x 85	48 (8 x 6)	1	0.26	0.0042
D-240	165 x 110 x 85	24 (6 x 4)	1	0.16	0.0020
D-250	111 x 84 x 85	12 (4 x 3)	1	0.10	0.0013

0.4 ml microtubes, Beckman® type

Manufactured in polyethylene.

It can be used at temperatures from **-50 °C to 75 °C**.

Dimensions: 5.50 x 47.50 mm (Ø x h), capped.

Withstand centrifugation up to **11,000 xg**

See our wide range of racks for microtubes in
chapter **Sample Storage**



code	description	case quantity	case weight	case volume
900007	Beckman® type microtube 0.4 ml	1,000	0.63	0.004



0.5 ml microtubes, Vitatron® type

Manufactured in polypropylene.

Autoclavable. Graduated.

Easy handling caps: they can be opened and closed with one hand.

Dimensions: 7.87 x 31.8 mm (diameter x height) capped.

Withstand centrifugation up to **14,000 xg**



code	description	case quantity	case weight	case volume
900118	Vitatron® type microtube 0.5 ml	12 x 1,000	7.00	0.052



0.5 ml microtubes, Vitatron® type

Made of **autoclavable** polypropylene. Ideal for little sample volumes, microtechniques, microsedimentation, etc.

Suitable for transport, storage and freezing of biological samples.

Watertight closing system. Easy handling caps: they can be opened and closed with one hand.

Easily pierceable.

The rim in the inner part of the cap assures an optimum watertightness.

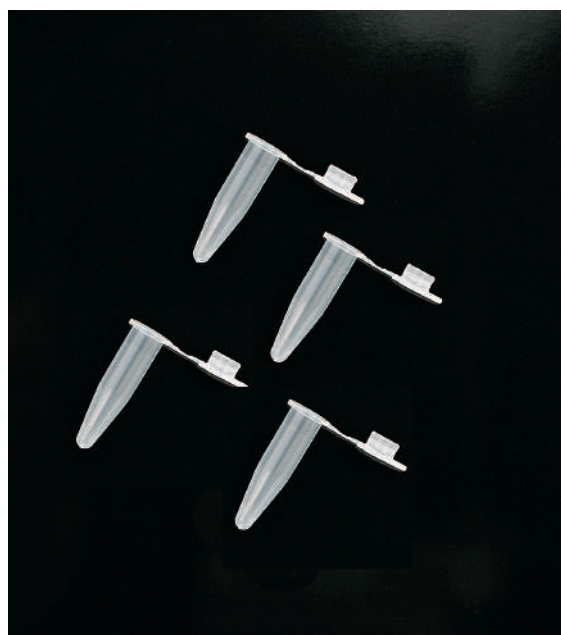
Resist temperatures from **-10 °C to 130 °C**.

Dimensions: 7,50 x 31,25 mm (Ø x h) capped.

Will withstand centrifugation up to **11,000 xg**.



code	description	case quantity	case weight	case volume
900117	Vitatron® type microtube 0.5 ml	14 x 1,000	7.30	0.069





0.5 ml microtubes

Made of ultra clear polypropylene. **Autoclavable**. Tubes have a frosted writing surface on side and on closure for better sample identification.

Caps are easy to handle and can be opened and closed with one hand. Lids are easily pierceable. Tubes have moulded-in graduations in 100 µl increments from 0.1 to 0.6 ml.

Model **4092.1NS**, with a low adhesion surface, is specially designed for research procedures such as protein work and nucleic acid amplifications.

Made from special resins to minimise liquid retention and ensure optimum sample yield, thus eliminating the use of lubricants that may be harmful to samples. The proprietary formulation is completely **non-reactive**.

RNAse, DNAse and PCR inhibitors free.

Can be used from **-80 °C** to **121 °C**.

Dimensions: 30 x 8 mm.



Will withstand centrifugation up to **17,000 xg**.

code	description	case quantity	case weight	case volume
4092.1N	natural graduated	10 x 1,000	7.28	0.053
4092.1NS	low adherence natural graduated	10 x 500	3.42	0.028



Standard 1.5 ml microtubes

Made of ultra clear polypropylene. **Autoclavable**.

Attached flat caps.

Tubes can be easily opened and closed with one hand. Ideal for the storage and freezing of any kind of biological material (cells, sperm, bacteria, etc.).

Can be used at temperatures down to **-100 °C**.



Will withstand centrifugation up to **21,000 xg**.

code	dimensions Ø x h mm	colour	case quantity	case weight	case volume
200400	10.86 x 39.06	natural	5 x 1,000	5.40	0.051
200401	10.86 x 39.06	yellow	5 x 1,000	5.40	0.051
200405	10.86 x 39.06	blue	5 x 1,000	5.40	0.051
200407	10.86 x 39.06	green	5 x 1,000	5.40	0.051
200410	10.86 x 39.06	orange	5 x 1,000	5.40	0.051



1.5 ml microtubes

Manufactured in polypropylene. **Autoclavable**.

Easy opening and closing.

Graduated tube.

It features a frosted area for writing. Flat cap.



Will withstand centrifugation up to **21,000 xg**.

code	dimensions Ø x h mm	case quantity	case weight	case volume
200400P	10.2 x 39.9	12 x 500	7.4	0.055

1.5 ml safety lock microtubes

Made of ultra clear polypropylene. Feature a special "snap-seal" secure lock. A special locking clasp with a distinctive audible snapseal design ensures tubes will not open during centrifugation. Tubes have a frosted writing surface on side and on attached closure for better sample identification. Caps are easy to handle and can be opened and closed with one hand. Lids are easily pierceable. Tubes have moulded-in graduations in 0.5 ml increments. **Autoclavable.**

Withstand centrifugation up to **15,000 xg**.



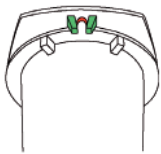
code	dimensions Ø x h mm	case quantity	case weight	case volume
4092.4N	11 x 39	10 x 500	7.00	0.046



Premium 1.5 microtube. Safety lock

Same features as code 4092.4N besides is **free of DNA, DNase, RNase and pyrogens**.

Autoclavable. Can be used from **-90 °C** to **121 °C**.



Withstand centrifugation up to **20,000 xg**.



code	dimensions Ø x h mm	case quantity	case weight	case volume
4092.5N	11 x 39	10 x 500	5.76	0.055



1.5 microtubes with secure lock pick-up tab

Same characteristics as code 4092.5N but these microtubes include a pick-up tab for easier handling without actually touching the tube.

Pierceable cap.

Autoclavable.

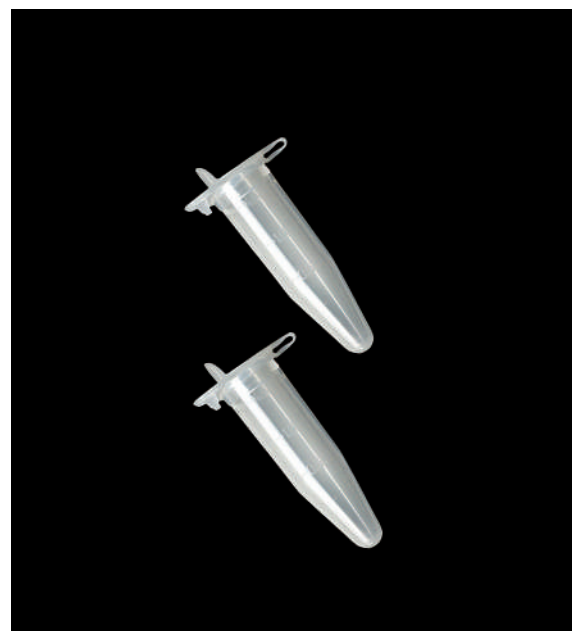
Withstand temperatures from **-175 °C** to **121 °C**.



Withstand centrifugation up to **17,000 xg**.



code	colour	case quantity	case weight	case volume
4091.1N	naturel	10 x 500	4.94	0.045





1.5 ml graduated microtubes

Made of ultra clear polypropylene.

Autoclavable.

Feature a frosted writing surface on side and on closure for better sample identification. Caps are easy to handle and can be opened and closed with one hand. Lids are easily pierceable.

Can be used from **-170 °C to 121 °C**.

Dimensions: 39 x 11 mm.

Caps specially designed to reduce popping when centrifugation, freezing, boiling, storing or shipping is required.

- when the objective is to avoid liquid remaining on the wall of the tube, just push the cap slightly and a little centrifugation time is required.
- when centrifugation is required, push the cap firmly to achieve complete closure.



Withstand centrifugation up to **20,000 xg**.

code	colour	case quantity	case weight	case volume
4092.2N	natural	10 x 500	6.82	0.048

Other colours under request.



1.5 ml microtubes. DNase, RNase free

Made of ultra clear polypropylene. **Autoclavable.**

Attached flat caps.

Graduated from 100 µl.

Tubes can be easily opened and closed with one hand. Ideal for the storage and freezing of any kind of biological material (cells, sperm, bacteria, etc.).

Can be used at temperatures from **-90 °C to 121 °C**.

DNase, RNase, DNA and PCR inhibitors free.

Dimensions (Ø x h): 10.7 x 39.1 mm.



Withstand centrifugation up to **20,000 xg**.

code	colour	case quantity	case weight	case volume
4092.3N	natural colour	10 x 500	6.77	0.054
4092.3NS	natural colour, clear siliconised	10 x 250	3.70	0.026



2 ml microtubes with attached caps

Made of ultra clear polypropylene. **Autoclavable.**

Certified RNase and DNase free. Pyrogen-free.

Feature a frosted writing surface on side and on closure for better sample identification. Easy handling: tubes can be opened and closed with one hand. Lids are easily pierceable.

Tubes have moulded-in graduations in 100 µl increments up to 2 ml.

Dimensions: 9 x 40 mm.

Can be used at temperatures from **-90 °C up to 121 °C**.

Model **4092.6NS** has a low adhesion surface for special applications such as protein work.



Withstand centrifugation up to **17,000 xg**.

code	colour	case quantity	case weight	case volume
4092.6N	natural colour	10 x 500	7.27	0.053
4092.6NS	natural colour, clear siliconised	10 x 250	4.09	0.036

Minimum order quantity: 500 and 250 units respectively.

2 ml graduated microtube

Microtubes made of ultra clear polypropylene. **Autoclavable.**
 2 ml graduated tubes with frosted area for writing.
 Flat cap that features a secure lock with safety shield.
 Easy handling with just one hand.
 They can be used at temperatures from **-86 °C** up to **121 °C**.

Withstand centrifugation up to **10,000 xg**.

code	dimensions Ø x h mm	case quantity	case weight	case volume
4092.7N	10.3 x 40.5	10 x 500	5.89	0.056

Please find racks for these microtubes on chapter
Sample Storage



5 ml Graduated Microtube

5 ml microtubules are the perfect choice for intermediate volume between microcentrifuge tubes and 15 ml conical tubes.
 Made of transparent polypropylene. The microtubes are graduated each 250 µL and are supplied with a matte band able to write in.
 Flat cap is attached to the tube. Easy handling: microtube can be opened and close with one hand.
 Can be used from Resistant to temperatures from **-80 °C** to **121 °C**.
Autoclavable. Free of DNA, DNase, RNase and PCR inhibitors.

Whitstand centrifugation up to **25,000 xg**.

code	dimensions Ø x h mm	case quantity	case weight	case volume
4092.8N	1.9 x 6	250	0.813	0.0078



See **M-015** pag. 220

