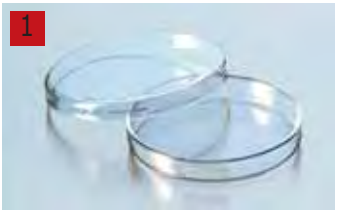
1 Petri dishes DUROPLAN®, borosilicate glass 3.3

DURAN®. With lid.Petri dishes are manufactured in a special production process which results in an even media dispersion and a uniform cell growth. Bottom and lid are absolute planar and free from bubbles and cords.
Glass Type I/neutral glass as per USP, EP and JP. Autoclavable.

DURAN Group



Dia. mm	Height mm	PK	Cat. No.
60	20	1	**9.170 141**
80	20	1	**9.170 143**
100	15	1	**9.170 146**
100	20	1	**9.170 148**
120	20	1	**9.170 151**
150	30	1	**9.170 153**

2 Petri dishes, Soda-lime glass

Steriplan®. Hydrolytical class 3.

DURAN Group

Dia. mm	Height mm	PK	Cat. No.
40	12	1	**9.170 401**
60	15	1	**9.170 417**
80	15	1	**9.170 432**
100	15	1	**9.170 442**
100	20	1	**9.170 443**
120	20	1	**9.170 448**
150	25	1	**9.170 451**
180	30	1	**9.170 456**
200	30	1	**9.170 460**
200	50	1	**9.170 461**

3 Petri dishes, PS

Non-sterile. For bacteriology. With or without vents. In light or heavy duty versions.

Greiner Bio-One

Dimensions mm	Vents	Description	PK	Cat. No.
35 x 10	with	light	740	**9.408 035**
60 x 15	with	light	600	**9.408 040**
94 x 16	without	light	480	**9.408 094**
94 x 16	without	heavy	480	**9.408 047**
94 x 16	with	light	480	**9.408 095**
94 x 16	with	heavy	480	**9.408 045**
100 x 15	with	light	420	**6.077 283**
100 x 20	with	light	360	**6.510 005**
145 x 20	with	light	120	**6.052 085**

4 Petri Dishes, PS

NEW!

Suitable for culturing of fungi, bacteria and other microorganisms. Contact dish (with grid) useful for sampling in hospital environments (for research use only), as well as in the food science and the pharmaceutical industry. All dishes perform well in automatic dispensers due to complete flatness and uniform height.
Material: Polystyrene

Nunc

Dimensions mm	Capacity ml	Working volume ml	culture surface cm²	Sterile	PK	Cat. No.
145 x 21	250.0	35	145.0	no	180	**6.201 672**
140 x 20	250.0	35	145.0	yes	80	**4.008 582**
100 x 15	68.0	12.5	58.0	no	320	**6.201 418**
100 x 15	68.0	12.5	58.0	yes	320	**6.223 201**
67 x 15*	7.7	7.7	25.0	yes	396	**6.052 163**

* contact bowl.

1 Tissue culture dishes

Iwaki

Iwaki brand cell culture dishes are manufactured from optically clear, premium grade, non-toxic virgin polystyrene under strict clean room conditions and are assured sterile by gamma irradiation. All dishes are certified non-pyrogenic (0.5 EU/ml)

- Iwaki culture dishes can be supplied either treated or non-treated. The treated dishes feature a special surface treatment that ensures optimum cell attachment and growth, ideal for adherent cultures. The non-treated dishes are ideal for use with suspension or plant cell cultures.
- Iwaki cell culture dishes are available in a range of sizes from 35mm to 150mm all featuring stacking rings for stability and vents for improved gas exchange.
- An easy-grip feature on all 35mm, 60mm and 150mm dishes reduces the risk of accidentally removing the lid when the dishes are picked up.
- Thick, flat bases enhance optical clarity and reduce bowing; dish lids are untreated to minimise condensation.

Tissue culture dishes, PS, non-TC treated

Iwaki

Dia. mm	Height mm	Sterile Sub-PK		PK	Cat. No.
35	10	10	**no longer available**	300	**9.700 524**
60	15	10		300	**9.700 525**
100	20	10		300	**9.700 526**
150	20	5		60	**9.700 527**

Tissue culture dishes, PS, treated

Iwaki

Dia. mm	Height mm	Sterile Sub-PK		PK	Cat. No.
60	15	10	**no longer available**	300	**9.700 521**
150	20	5		60	**9.700 523**

2 Cell Culture Dishes, Nunclon™Δ Surface, PS, treated, sterile

NEW!

Nunc

Surface treated dishes for cell culture available in various sizes and formats are optically clear and suitable for microscopy. Nunclon™Δ surface modification is certified non-pyrogenic and tested for both monolayer formation and cloning efficiency employing primary cells as well as repeating cell lines. Sterile. With lid. Packed in resealable bags.
Material: Polystyrene

Dia. mm	Height mm	culture surface cm²	Working volume ml	PK	Cat. No.
35	10	8.8	3	500	**9.407 393**
60	15	21.5	5	400	**9.407 395**
100	15*	56.7	12.5	150	**9.407 398**
100	20*	56.7	12.5	480	**6.078 216**
150	20*	145.0	35	80	**9.407 399**
245	245**	500.0	135	16	**9.407 400**

* Packaged in recloseable bags.
**Without ventilation cams.

3 Collagen Type-1 Coated Ware

NEW!

Iwaki

Collagen Type-1 coated ware shows excellent growth in culturing of human heratinocytes, rat liver cells and mouse dorsal root ganglia neurons in serum free media.
3 dimensional culture inserts (Vecell) are available for use with 6 and 12 well plates. The inserts are coated with Collagen Type-1 for optimum cell attachment and proliferation. The 3D scaffold enables cells to interact as they would in vivo and provide an accurate model of cellular activity. The Vecell is suitable for a number of applications - further information can be given upon request.

Description	Sterile Sub-PK		PK	Cat. No.
35 mm dish	10	**no longer available**	200	**9.700 553**
60 mm dish	10		200	**9.700 554**
100 mm dish	10		120	**9.700 555**
150 mm dish	5		10	**9.700 556**
6 well plate	1		20	**9.700 557**
12 well plate	1		20	**9.700 558**
24 well plate	1		20	**9.700 559**
96 well plate	1		20	**9.700 560**
25 cm² flask	10		60	**9.700 561**
75 cm² flask	5		10	**9.700 562**
225 cm² flask	5		10	**9.700 563**
12mm Vecell	1		24	**6.242 320**
30mm Vecell	1		12	**9.700 578**

1 Fibronectin-coated T.C. Ware

Fibronectin-coated dishes are suitable for culturing fibroblasts, liver cells and nerve cells in serum free media. *Iwaki*

Description	Sterile Sub-PK		PK	Cat. No.
35mm dia. dish	10	**no longer available**	60	**9.700 564**
60mm dia. dish	10		40	**9.700 565**

2 Poly-L-Lysine-coated T.C. Ware

Poly-L-Lysine-coated dishes are suitable for primary culture of nerve cells. *Iwaki*

Description	Sterile Sub-PK		PK	Cat. No.
35 mm dish	10	**no longer available**	200	**9.700 575**
60 mm dish	10		200	**9.700 576**
100 mm dish	10		120	**9.700 577**

3 Cell Culture Products with Low Cell Binding, PS, gamma irradiated

NEW!

Surface modifications for low cell attachment and binding are excellent for suspension cultures and non-adherent cell cluster. Different formats available: Petri Dishes, multidishes and microplates. Clear 96-well plates with flat or round well bottom and excellent optical quality. Gamma irradiated.
Material plates: Polystyrene *Nunc*

Type	Format	Capacity ml	PK	Cat. No.
Petri dishes	dia. 60mm	5	7	**4.008 554**
Petri dishes	dia. 90mm	10	7	**4.008 555**
Multidishes	6-Well	3	7	**4.008 556**
Multidishes	12-Well	2	20	**4.008 726**
Multidishes	24-Well	1	20	**4.008 754**

Microplates, PS, sterile *Nunc*

Capacity µl	Description	Colour	Sterile	PK	Cat. No.
400	Bottom shape flat, with lid, certified	Clear	yes	8	**7.635 245**
300	Bottom shape round, with lid, certified	Clear	yes	8	**7.635 246**

4 HydroCell™ Cell Culture Products for Low Cell Binding, PS, sterile

NEW!

Optimised surface modification inhibits cell attachment and binding thereby inhibiting undesired cell differentiation. Ideal for culturing suspension cells or cell cluster. Minimal protein adsorption leads to high yields of cell-secreted proteins. Available in different formats: Petri dishes, multidishes and microplates. Clear 95-well plates with flat or round well bottom and excellent optical quality. Certified cell binding <1% (A549 cell line), non-pyrogenic, non-toxic and sterile.
Material plates: Polystyrol *Nunc*

Description	Format	Capacity ml	PK	Cat. No.
Petri dishes	dia. 3.5cm	3.0	30	**4.008 823**
Petri dishes	dia. 6cm	5.0	30	**4.008 859**
Petri dishes	dia. 10cm	12.5	6	**4.008 572**
Multidishes	12-Well	2.0	6	**4.008 622**
Multidishes	24-Well	1.0	6	**4.008 627**

1 Multidishes, non-treated, PS, sterile

NEW!

Nunc

Non-treated, sterile multidishes for suspension cell cultures are available in formats from 4 up to 48 wells. Raised well rims lower the risk of cross contamination. Excellent optical quality. Non-pyrogenic. With lid.
Material dishes and lids: Polystyrene

no. of wells	Working volume ml	PK	Cat. No.
4	1	120	**6.223 971**
6	3	75	**6.803 562**
12	2	75	**7.623 040**
24	1	75	**6.222 953**
48	0.5	75	**6.207 164**

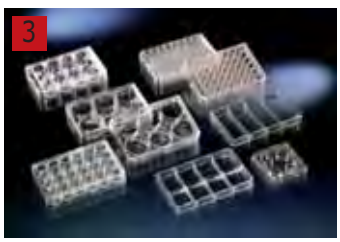
2 Cell Culture Inserts, PC, sterile

NEW!

Nunc

Inserts are treated and tested for good cell attachment. Available in different formats for 6, 12 or 24 well multidishes and in different pore sizes: 0.4, 3 or 8µm. Easy cultivation of most cell types without matrix coating possible. Used in a variety of applications, including transport studies, toxicity tests, chemotaxis studies and electron microscopy. Packed in sterile Nunclon™Δ treated multidishes and resealable bags.
Non-toxic. Non-pyrogenic. Sterile.
Material membrane: Polycarbonate

Pore size µm	For	Membrane µm	culture surface cm²	Working volume ml	PK	Cat. No.
0.40	24-Well	11	0.47	0.50	48	**4.008 783**
3.00	24-Well	13	0.47	0.50	48	**4.008 784**
8.00	24-Well	16	0.47	0.50	48	**6.239 122**
0.40	24-Well	11	1.13	1.10	48	**4.008 790**
3.00	24-Well	13	1.13	1.10	48	**4.008 791**
8.00	24-Well	16	1.13	1.10	48	**4.008 792**
0.40	6-Well	11	3.14	1.50	24	**4.008 663**
3.00	6-Well	13	3.14	1.50	24	**4.008 664**
8.00	6-Well	16	3.14	1.50	24	**4.008 665**
0.40	6-Well	11	4.10	1.75	24	**4.008 666**
3.00	6-Well	13	4.10	1.75	24	**4.008 667**
8.00	6-Well	16	4.10	1.75	24	**4.008 668**



3 Multidishes, Nunclon™Δ Surface, PS, sterile

Nunc

4- to 48-well multidishes with Nunclon™Δ surface are useful for all areas of cell culture including scale-up and cloning. Raised well rims lower the risk of cross contamination.
Excellent optical quality. All available surface modifications are certified non-pyrogenic and tested for both monolayer formation and cloning efficiency employing primary cells as well as repeating cell lines. Sterile. With lid
Material dishes and lids: Polystyrene

no. of wells	culture surface cm²	Working volume ml	Description	PK	Cat. No.
4	1.9	1	-	120	**6.050 151**
6	9.6	3	-	75	**9.390 401**
12	3.5	2	-	75	**9.390 403**
24	1.9	1	-	75	**9.390 410**
48	1.1	0.5	-	75	**9.390 411**
6	9.6	3	Poly-D-Lysin	20	**4.008 850**
6	9.6	3	Collagen I	20	**4.008 874**

1 Multi-well plates, non-treated

Iwaki

Iwaki multiwell plates are manufactured from premium grade virgin polystyrene in 6, 12, 24, 48 and 96 well formats. All plates are assured sterile by gamma irradiation and certified non-pyrogenic (< 0.5 EU/ml). Suitable for single cell isolation through cell culture scale up the plates are available with special surface treatment for optimal cell attachment and growth or non-treated which are ideal for hybridoma or lymphocyte culture. The plates feature raised well rims and chimney well design greatly reducing the risk of cross contamination. Lids are non-reversible minimising contamination from condensates.
Each well is alphanumerically labelled.

No. of chambers	Chamber	Lid	Dia. mm	Depth mm	Capacity ml	Sterile Sub-PK		PK	Cat. No.
6	Flat	Yes	34.6	17.5	16	1		50	**9.700 536**
12	Flat	Yes	22.1	17.5	6,5	1		50	**9.700 537**
24	Flat	Yes	15.5	17.3	3,4	1		50	**9.700 538**
48	Flat	Yes	11.2	17.1	1,76	1	**no longer available**	50	**9.700 539**
96	Flat	Yes	6.4	10.8	0,35	1		50	**9.700 540**
96	Flat	Yes	6.4	10.8	0,35	10		50	**9.700 541**
96	Round	Yes	6.9	10.8	0,35	1		50	**9.700 542**
24	Flat	Yes	15.5		3,4			50	**9.700 543**
48	Flat	Yes	11.2		1,76			50	**9.700 544**
96	Round	No	6.9		0,35			50	**9.700 545**

2 Gelatin-coated Multi-well plates

Iwaki

Gelatin coating improves cell attachment and is ideal for primary culture of myoblasts, liver cells or human endothelial cells.

Description	Sterile Sub-PK		PK	Cat. No.
35 mm dish	10		200	**9.700 567**
60 mm dish	10		200	**9.700 568**
100 mm dish	10	**no longer available**	120	**9.700 569**
6 well plate	1		20	**9.700 570**
12 well plate	1		20	**9.700 571**
24 well plate	1		20	**9.700 572**
96 well plate	1		20	**9.700 573**
25cm² flask	10		60	**9.700 574**

Brandplates® - A complete premium-quality line - for every application!

BRAND

Microplates for Cell Culture (sterile)

Cell culture is increasing in popularity in the research and development area. Outside of basic research, cells are cultivated today for a number of reasons, including the production of proteins and in particular as assay systems. As cell cultures can sometimes be quite demanding regarding their environment, the disposables used for cultivation have to be of highest quality. The four different cell culture surfaces of the Brandplates® allow the optimum combination between microplate and specific cell line.

cellGrade™
Standard plate for the cultivation of adherent cell cultures. PS-surface with different chemical groups, like e.g. carboxyl and hydroxyl groups, that are freely accessible. Surface is hydrophilic compared with non-treated PS.

cellGrade™ plus
For cultivation of fastidious cell cultures. In addition to carboxyl and hydroxyl chemical groups, free amino groups are present on the surface. The surface has a protein-like composition; cells can directly attach and spread out. Cells adhere faster, better rate of yield. Suited for serum reduced cultivation of cells.

cellGrade™ premium
Poly-D-Lysine-equivalent surface, with analogous results regarding growth performance and cell morphology. Optimal adhesion of cells to the surface reduces cell damage when washing frequently. Surface suited for serum-free and serum-reduced cultivation of cells. Good shelf life at room temperature.

inertGrade™
For cultivation of suspension cell cultures. Especially suited for cell cultures, when adhesion is not desired. Optimized surface characteristics reducing cell adhesion and protein adsorption, enzyme and cellular activation is minimized. Stem cells can be prevented from early differentiation.

Colours, wells and shapes:
- 96-, 384- and 1536-well format
- sterile according to Ph.Eur. and USP 29, SAL 10^{-6}
- standard, low volume or transparent bottom
- transparent, white or black
- various well bottom shapes: U-, V-, F-, C-bottom for 96-well format
- clearly distinguishable via colour code: orange embossed alphanumeric coding for 96-well standard
- free from endotoxins (< 0.01 EU/ml), DNase, DNA, RNase, non-cytotoxic (according to ISO 10993)
- Sterile Products comply with ISO 11137 and AAMI guidelines. A SAL of 10^{-6} is reached. Supplied individually wrapped with lid.

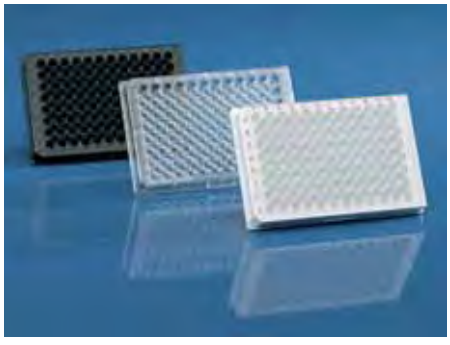
1 cellGrade™

PS, sterile. For standard cell culture applications.

BRAND

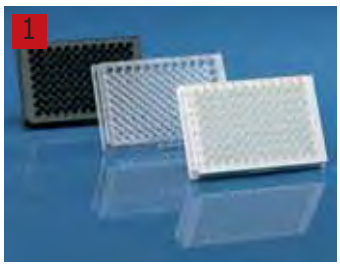
Description	Bottom shape/ Well volume µl	Growth area approx. cm²	PK	Cat. No.
96-well, transparent	U / 330		50	**4.000 329**
96-well, transparent	V / 360	0.33	50	**4.000 330**
96-well, transparent	F / 350	0.32	50	**4.000 331**
96-well, transparent	C / 350	0.25	50	**4.000 332**
96-well, white	F / 350	0.32	50	**4.000 333**
96-well, black	F / 350	0.32	50	**4.000 334**
96-well, white / transparent	F / 330	0.31	50	**4.000 335**
96-well, black / transparent	F / 330	0.31	50	**4.000 336**
384-well, transparent	F / 100	0.12	50	**4.000 337**
384-well, white	F / 100	0.12	50	**4.000 338**
384-well, black	F / 100	0.12	50	**4.000 339**
384-well, transparent, low volume	F / 30	0.07	50	**4.000 340**
384-well, white, low volume	F / 30	0.07	50	**4.000 341**
384-well, black, low volume	F / 30	0.07	50	**4.000 342**
384-well, white / transparent	F / 120	0.13	50	**4.000 343**
384-well, black / transparent	F / 120	0.13	50	**4.000 344**
1536-well, transparent	F / 10	0.02	50	**4.000 345**
1536-well, white	F / 10	0.02	50	**4.000 346**
1536-well, black	F / 10	0.02	50	**4.000 347**

1



1 cellGrade™ plus

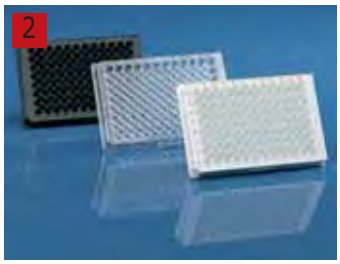
PS, sterile. For cultivation of fastidious cell lines and for serum-reduced cultivation. *BRAND*



Description	Bottom shape/ Well volume µl	Growth area approx. cm²	PK	Cat. No.
96-well, transparent	F / 350	0.32	50	**4.000 348**
96-well, white	F / 350	0.32	50	**4.000 349**
96-well, black	F / 350	0.32	50	**4.000 350**
96-well, white / transparent	F / 330	0.31	50	**4.000 351**
96-well, black / transparent	F / 330	0.31	50	**7.624 490**
384-well, transparent	F / 100	0.12	50	**4.000 352**
384-well, white / transparent	F / 120	0.13	50	**4.000 353**
384-well, black / transparent	F / 120	0.13	50	**4.000 354**

2 cellGrade™ premium

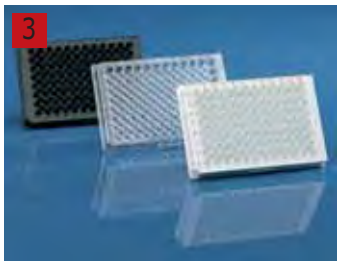
PS, sterile. For the most demanding cell lines, and for serum-reduced and serum-free cultivation. *BRAND*



Description	Bottom shape/ Well volume µl	Growth area approx. cm²	PK	Cat. No.
96-well, transparent	F / 350	0.32	50	**4.000 355**
96-well, white	F / 350	0.32	50	**4.000 356**
96-well, black	F / 350	0.32	50	**4.000 357**
96-well, white / transparent	F / 330	0.31	50	**4.000 358**
96-well, black / transparent	F / 330	0.31	50	**4.000 359**
384-well, transparent	F / 100	0.12	50	**4.000 360**
384-well, white / transparent	F / 120	0.13	50	**4.000 361**
384-well, black / transparent	F / 120	0.13	50	**4.000 362**

3 inertGrade™

PS, sterile. For cultivation of suspension and stem cells. *BRAND*

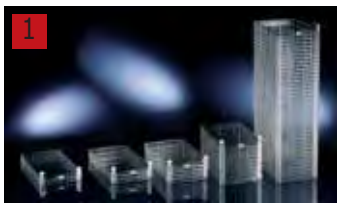


Description	Bottom shape/ Well volume µl	Growth area approx. cm²	PK	Cat. No.
96-well, transparent	U / 330		50	**4.000 314**
96-well, transparent	F / 350	0.32	50	**4.000 315**
96-well, white	U / 330		50	**4.000 316**
96-well, white	F / 350	0.32	50	**4.000 317**
96-well, white	C / 350	0.25	50	**4.000 318**
96-well, black	U / 330		50	**4.000 319**
96-well, black	F / 350	0.32	50	**4.000 320**
96-well, black	C / 350	0.25	50	**4.000 321**
96-well, white / transparent	F / 330	0.31	50	**4.000 322**
96-well, black / transparent	F / 330	0.31	50	**4.000 323**
384-well, transparent	F / 100	0.12	50	**4.000 324**
384-well, white	F / 100	0.12	50	**4.000 325**
384-well, black	F / 100	0.12	50	**4.000 326**
384-well, white / transparent	F / 120	0.13	50	**4.000 327**
384-well, black / transparent	F / 120	0.13	50	**4.000 328**

4 Sealing Films, Self-adhesive

In case the microplates, PCR- and Deepwellplates need not only to be covered, but also securely sealed, self-adhesive sealing films are available. These film sheets can be easily applied on the plates and removed also without the use of expensive equipment. They are available in different versions and are especially well-suited for storage or cell- and tissue-culture. *BRAND*

Application	Description	Material	PK	Cat. No.
ELISA, PCR	single film	polypropylene	100	**9.409 386**
ELISA; Real Time PCR	single film, highly transparent	polyester	100	**4.000 237**
Cold storage	roll with 100 sheets	aluminium	100	**9.409 387**
Cold storage	single film	aluminium	100	**6.223 125**
Storage	DMSO-resistant	polypropylene	100	**9.408 971**
Sealing foil, gas-permeable, non-sterile	single film, gas-permeable	rayon	100	**9.407 620**
Cell- and tissue culture	single film, gas-permeable, sterile	rayon	50	**6.224 223**
Automation	single film	PE/PP	50	**4.000 389**
Storage, fluorescence measurement	single film	vinyl	50	**4.000 390**
Luminescence measurement	single film	vinyl	50	**4.000 391**



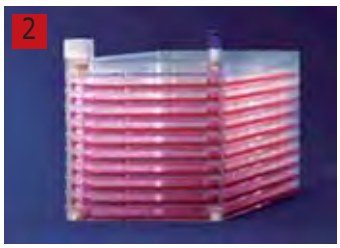
1 Cell Factories with Nunclon™Δ Surface, PS, sterile

NEW!

Nunc

Cell culture Cell Factories are optimal for industrial scale production of vaccines, monoclonal antibodies or pharmaceuticals. Nunclon™Δ modification is certified for cell culture, ideal for adherent cells and can be used for suspension cultures. Available in 1, 2, 4, 10 or 40 tray versions for easy scale-up. Additional connectors etc. please see Cell Factories Accessories. Sterile.
Material Cell Factories: Polystyrene

No. of chambers	culture surface cm²	Capacity ml	PK	Cat. No.
1	632	200	8	**6.800 181**
2	1264	400	5	**6.231 100**
4	2528	800	10	**4.009 101**
10	6320	2000	2	**6.301 727**
40	25280	8000	2	**6.300 402**



2 Cell Factories EasyFill™ mit Nunclon™Δ Surface, PS, sterile

NEW!

Nunc

A time and space saving vessel for large scale cell culture production. Suitable for industrial scale production of vaccines, monoclonal antibodies or pharmaceuticals.
Nunclon™Δ surface modification is certified for cell culture and ensures consistent cell growth layer to layer, lot to lot. Ready to use and easy to fill and empty with plug and play connection. Wide range of accessories available for different methods of filling, venting and harvesting (please see Cell Factories Accessories). Sterile.
Material cell factories: Polystyrene

No. of chambers	culture surface cm²	Capacity ml	PK	Cat. No.
1	630	200	6	**4.008 721**
2	1260	400	6	**4.008 786**
4	2520	800	4	**4.008 806**
10	6300	2000	2	**4.008 779**

3 Cell Factories for Active Gassing with Nunclon™Δ Surface, PS, sterile

NEW!

Nunc

System for industrial scale production of cell based vaccines, monoclonal antibodies or pharmaceuticals. Ideal for culturing and nursing of pH sensitive and high oxygen demanding cells via controlled gas distribution. The gas-flow system ensures a controlled atmosphere in the culture trays by equal distribution of an user-specified gas-mix actively pumped through the pre-mounted filter. Nunclon™Δ modification certified for cell culture. Available with 4, 10 and 40 trays. Additional connectors etc. please see Cell Factories Accessories. Sterile.
Material Cell Factories: Polystyrene

No. of chambers	culture surface cm²	Capacity ml	PK	Cat. No.
4	2528	800	10	**4.009 156**
10	6320	2000	6	**4.009 136**
40	25280	8000	2	**4.009 165**

4 Cell Culture Flasks, non-treated, PS/PE-HD, non-pyrogenic

NEW!

Nunc

Non-treated, sterile flasks for suspension cell cultures. White caps for easy identification. Non-Pyrogenic.
Material flasks: Polystyrene
Material caps: HDPE

Type	Capacity ml	Central neck	Working volume ml	PK	Cat. No.
EasYFlask	70	Angled	7	100	**6.222 672**
EasYFlask	260		30	200	**6.702 724**
EasYFlask	645	Angled	55	30	**7.900 288**
TripleFlask	800	Straight	200	32	**7.900 289**

1 2 Cell Culture Flasks EasYFlask™, PS/PE-HD, sterile

NEW!

Cell culture flasks available with Nunclon™Δ modified surface (culture areas of 25 to 225cm²) or Collagen I and Poly-D-Lysine coated (culture areas up to 175cm²). Choose cap: Filter caps for continuous venting or Vent/Close caps. Ergonomic closure enables opening and closing with 1/3 turn and "Y"-mark allows visual verification of vent position, even when stacked. Angled, wide neck gives easy access to entire growth surface. Graduations are both printed and molded on the side walls. Certified non-pyrogenic and tested for both monolayer formation and cloning efficiency employing primary cells as well as repeating cell lines. Sterile.
Material flasks: Polystyrene
Material caps: HDPE
Accessories: Vent/Close caps for 25cm² flasks, order no. 4.008 543.

Nunc

Surface	culture surface cm²	Cover type	Capacity ml	PK	Cat. No.
Nunclon™	25	Filter	7	200	**9.390 331**
Nunclon™	25	Vent/Close	7	200	**9.390 330**
Nunclon™	75	Filter	25	100	**9.390 333**
Nunclon™	75	Vent/Close	25	100	**9.390 332**
Nunclon™*	175	Filter	55	30	**7.510 686**
Nunclon™*	175	Vent/Close	55	30	**4.008 552**
Nunclon™*	225	Filter	70	30	**6.236 539**
Nunclon™*	225	Vent/Close	70	30	**4.008 625**
Collagen I	25	Filter	7	60	**4.009 044**
Collagen I	75	Filter	25	30	**6.244 028**
Collagen I	175	Filter	55	30	**4.009 123**
Poly-D-Lysin	25	Filter	7	60	**4.009 043**
Poly-D-Lysin	75	Filter	25	30	**4.008 945**
Poly-D-Lysin	175	Filter	55	30	**4.009 122**

* Batch no. and cat. no. printed on each flask.

3 TripleFlasks™, Nunclon™Δ Surface, PS/PE-HD, sterile

Cell culture flasks with three parallel growth surfaces provide a total culture area of 500 cm² - with external dimensions of a 175 cm² standard flask. Ideal for scale-up.
Available with Vent/Close caps or filter caps for good gas exchange. Certified non-pyrogenic and tested for both monolayer formation and cloning efficiency employing primary cells as well as repeating cell lines. Sterile
Material flasks: Polystyrene
Material caps: HDPE

Nunc

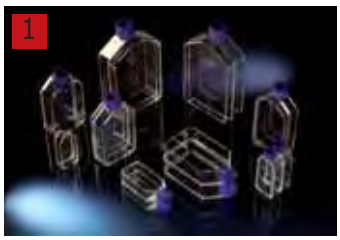
culture surface cm²	Central neck	Cover type	Working volume ml	PK	Cat. No.
500	Straight	Filter	200	32	**9.390 351**
500	Straight	Vent/Close	200	32	**9.390 350**

4 SoLo Flasks, Nunclon™Δ Surface, PS/HDPE, sterile

Cell culture flasks with low profile design save incubator space. Four stacked SoLo Flasks occupy the same space as three conventional flasks. Angled, wide neck allows easy access to entire growth area. Available with Vent/Close caps or filter caps for good gas exchange. Certified non-pyrogenic and tested for both monolayer formation and cloning efficiency employing primary cells as well as repeating cell lines. Sterile.
Material flasks: Polystyrene
Material caps: HDPE

Nunc

culture surface cm²	Central neck	Cover type	Working volume ml	PK	Cat. No.
185	Angled	Filter	75	50	**9.390 369**
185	Angled	Vent/Close	75	50	**9.390 368**



1 Cell Culture Flasks, Nunclon™Δ Surface, PS/PE-HD, sterile

Nunc

Nunclon™Δ cell culture flasks with surface areas from 75 to 175cm² are available with filter caps or Vent/Close caps for good gas exchange. Short, wide neck (angled or straight) allows easy access to entire growth surface. The Nunclon™Δ treatment is limited to the intended growth area. Neck areas are not treated to prevent cell attachment and growth in undesired areas. Certified non-pyrogenic and tested for both monolayer formation and cloning efficiency employing primary cells as well as repeating cell lines. Sterile.
Material flasks: Polystyrene
Material caps: HDPE

culture surface cm²	Central neck	Cover type	Working volume ml	PK	Cat. No.
25	Angled	Filter	7	160	**9.390 345**
25	Angled	Vent/Close	7	160	**9.407 027**
80	Straight	Filter	30	50	**9.390 346**
80	Straight	Vent/Close	30	50	**9.407 077**
175	Straight	Filter	68	32	**9.390 348**
175	Straight	Vent/Close	68	32	**9.407 152**

2 Flasks with double seal cap

Iwaki

Flasks are manufactured from clear, premium grade, non-toxic, virgin polystyrene under strict clean room conditions and are guaranteed sterile by gamma irradiation.
- Iwaki flasks can be supplied with either a treated or non-treated culture surface. The treated surface ensures optimum cell anchorage and growth, ideal for adherent cell lines. The non-treated surface is ideal for use with suspension and plant cell lines.
- each flask is pressure tested for leaks and is certified non-pyrogenic (< 0.5 EU/ml)
- the wide neck design allows easy pipetting and cell scraping on all flask sizes
- accurate graduations are moulded into each flask facilitating filling
- all flasks have anti-tilt skirts, stacking rims and feet for extra stability. The flasks come in small inner pack sizes with resealable packaging to reduce wastage of product.
- to ensure complete traceability all 25cm², 75cm² and 150cm² flasks have the lot number etched into the base of the product.

culture surface cm²	Central neck	Capacity ml	Sterile Sub-PK		PK	Cat. No.
25	Canted	70	10		300	**9.700 512**
25	Canted	60 (slim)	10	**no longer**	300	**9.700 513**
75	Canted	270	5		100	**9.700 514**
150	Canted	600	5	**available**	40	**9.700 515**
225	Straight	900	5		25	**9.700 516**

3 Flasks, TC Treated, Filter Vented Cap

Iwaki

Choice of two-position cap that enables an airtight seal, manual venting, or filter-vented caps for cultures requiring constant gas exchange with the cap fully sealed. Filter vented caps feature a 0.22mm hydrophobic membrane that eliminates bacterial and fungal contamination. Vented cap flasks are ideally suited for use for CO_2 incubators. Each flask is supplied in sterile, easy to open, resealable packaging.

Capacity ml	Central neck	Cover type	Sterile Sub-PK		PK	Cat. No.
70	Canted	Vented	10		300	**9.700 505**
60 (slim)	Canted	Vented	10	**no longer**	300	**9.700 506**
270	Canted	Vented	5		100	**9.700 507**
600	Canted	Vented	5	**available**	40	**9.700 508**
900	Straight	Vented	5		25	**9.700 509**

1 In Vitro Roller Bottles, PETG, sterile

NEW!

Nunc

For the industrial scale production of vaccines, monoclonal antibodies or pharmaceuticals. Available in a wide range of sizes with surface areas from 1050cm² to 4200cm² and in different surface modifications. Patented "Expanded Surface" (XPS) enables increased cell growth and product yield without additional production equipment or labor. With easy-to-read graduations for medium fills and quick-action ergonomic closure for increased productivity. Lot number is printed on each bottle to maximise traceability. Sterile.

Description	Size	culture surface cm²	Working volume ml	PK	Cat. No.
Standard	1,2X	1050	100-500	20	**4.008 624**
Standard, PDL-coated*	1,2X	1050	100-500	2	**4.008 562**
Standard, Vented	1,2X	1050	100-500	20	**4.008 674**
Standard, Long	1XL	1800	200-1000	22	**4.008 809**
XPS	2X	1700	200-600	20	**4.008 740**
XPS	2,5X	2100	200-600	20	**4.008 812**
XPS	5X	4200	400-1000	22	**4.009 036**

2 Cell Scrapers, sterile

NEW!

Nunc

Available in two different lengths with adjustable blade for optimal application flexibility. Non-pyrogenic. Sterile.

For bottles cm²	Length cm	Height mm	Width mm	PK	Cat. No.
25-80	23	7.5	15.5	50	**6.222 130**
75-175	32	16.0	17.5	250	**4.009 118**

3 LLG-Inoculation loops, PS

NEW!

Inoculation loops "plastic" are made of flexible polystyrene. They have ultra smooth loops and offer problem free planting and streaking of cultures.
Free of lubricants, oils and electrostatic charges, enabling consistent wetting and complete liquid transfer. Loops do not cut or gouge the agar surface during streaking. Ergonomical design of the loop handle improves grip due to the large handle and assists orientation. When viewed in cross section, the shafts oh the loops have a hexagonal shape which creates a handle with six flat surfaces. This design facilitates maximum grip and easy orientation of the loop head. The needle end for colony counting is also a perfect tool for picking off individual isolated colonies. They are also suitable for making stab inoculations into agar slants or tubes of solid culture medium.
- Sterile
- Package: 10 bags of 10 pieces

Type	Capacity µl	PK	Cat. No.
needle / loop	1	100	**9.160 041**
needle / loop	10	100	**9.160 042**
loop / loop	1	100	**9.160 043**

4 Inoculating loops and needles, PS

Nunc

Radiation-sterilised. Semi-quantitative standard for sample handling, e.g. for diseases of the urinary tract. Surface treated to increase drop adhesion. Reduced contamination risks as product is disposable and does not require flaming.

Type	Capacity µl	PK	Cat. No.
Blue loop	10	50	**9.405 410**
Colorless loop	1	50	**9.405 401**
Yellow needle	--	50	**9.405 400**

Other colours on request

5 Inoculation loops Wironit

Wironit. CrNi 18/12.

Hammacher

Dia. mm	Length mm	PK	Cat. No.
1.5	50	1	**9.160 057**
2.0	50	1	**9.160 056**
2.5	50	1	**9.160 058**
4.0	50	1	**9.160 055**
1.5	59	1	**9.160 061**
2.5	59	1	**9.160 062**
4.0	59	1	**9.160 063**

1 Inoculation loops, platinium

Platinum-iridium wire 90/10.
0.5mm thick.

Type	Dia. mm	PK	Cat. No.
without glass rod	3	1	**9.160 050**
without glass rod	2	1	**9.160 052**
fused into glass rod	3	1	**9.160 053**
fused into glass rod	2	1	**9.160 054**

2 Platinum-iridium wire

Platinum-iridium 90/10 wire available in different diameters.
Sold per cm.

Dia. mm	PK	Cat. No.
0.2	1	**9.160 702**
0.3	1	**9.160 703**
0.4	1	**9.160 704**
0.5	1	**9.160 705**
0.6	1	**9.160 706**
0.8	1	**9.160 708**
1.0	1	**9.160 710**

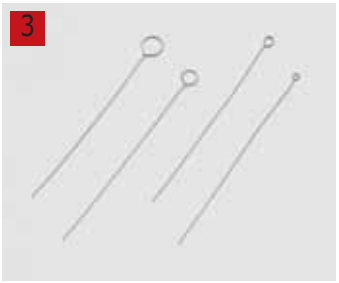
3 4 5 Inoculation loops "metal" and loop stands

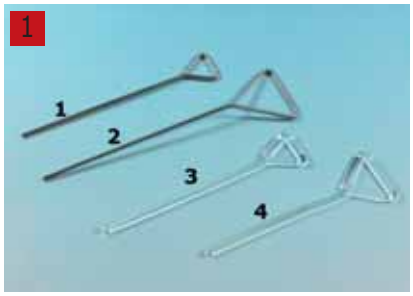
Inoculation loops made from special stainless steel wire or platinum-iridium wire (90/10). Can be heated to red heat. *schuett-biotec*
Length: 60mm. Diameter: 0.5mm.

Inoculation loop holder according to Kolle for 0.3 to 0.7mm wire diameter.

Fixed plastic blocks (autoclavable). Accomodate up to 6 inoculation loop holders at any one time.

Type	Description	Loop diam. mm	PK	Cat. No.
P-I 1	Platinum-iridium	1	1	**9.520 180**
P-I 2	Platinum-iridium	2	1	**9.520 181**
P-I 3	Platinum-iridium	3	1	**9.520 182**
P-I 5	Platinum-iridium	5	1	**9.520 184**
E 1	Stainless steel, special wire	1	10	**9.520 170**
E 2	Stainless steel, special wire	2	10	**9.520 171**
E 3	Stainless steel, special wire	3	10	**9.520 172**
E 5	Stainless steel, special wire	5	10	**9.520 174**
W-1,5	Stainless steel	1,5	10	**9.520 185**
W-2,5	Stainless steel	2,5	10	**9.520 186**
W-4,0	Stainless steel	4,0	10	**6.233 696**
Inoculation loop holder	160 mm long		1	**9.520 178**
Inoculation loop holder	240 mm long		1	**9.160 020**
Inoculation loop stands	(Dia. x H) 80 x 50mm		1	**9.520 190**
Inoculation loop stands	(L x W x H) 180 x 50 x 50mm		1	**9.520 191**





1 Drigalski spatulas

NEW!

For easy plating.

Material	Dia. mm	Length mm	Width mm	Picture	PK	Cat. No.
Stainless steel 18/10	4	190	40.0	-	1	**9.197 490**
Wironit, CrNi 18/12, straight	3	150	24.5	1	1	**9.197 496**
Wironit, CrNi 18/12, angular 10°	3	190	45.0	2	1	**9.197 497**
Borosilicate glass 3.3	5	150	30.0	3	1	**9.197 499**
Glass inoculation spreader	5	145	40.5	4	1	**9.520 206**
Stainless steel inoculation spreader	4	185	57.0	-	1	**9.520 205**

2 Petri dish turntables, schütt Petriturn

For uniform inoculation of petri dishes. Easy-to-use.

schütt petriturn-M
With manually operated, heavy turntable for smooth and long-lasting rotation. Double-sided construction accommodates two sizes of petri dish (90mm or 150mm diameter), by inverting the turntable.

schütt petriturn-E
Electrically driven, infinitely adjustable, constant speed rotation from 10 to 120 rpm. Permanent operation, or optionally a footswitch can be connected. 12V d.c., 5W power supply requiring 100 - 240V 50/60Hz (115V optional).

Type	Dimensions mm	Picture	PK	Cat. No.
schuett petriturn-M, manually driven	(Dia. x H) 160 x 45	1	1	**9.520 201**
schuett petriturn-E, electrically driven	(Dia. x H) 160 x 70	2	1	**9.520 200**
Glass inoculation spreader	(W x D) 180 x 58	3	1	**9.520 206**
Stainless steel inoculation spreader	(W x D) 145 x 40	4	1	**9.520 205**

Accessories for Petri dish turntables, schütt petriturn

schuett-biotec

Type	PK	Cat. No.
Turntable adapter for Petri dishes up to 150mm diameter	1	**9.520 204**
Foot pedal for schuett petriturn-E	1	**9.520 203**

Turntables for Petri dishes of other sizes on request.

3 LLG- Replicator stamp

NEW!

The replicator stamp enables the transfer of bacterial or yeast colonies from one culture medium plate to another. To duplicate the colony plates, fix one of the sterile tissues on the stamp with the aluminium ring.
Then press the top side of the colony plate gently onto the stamp.
Use a new plate to produce the duplication.
The replicator stamp is made of plastic (POM). Height: 72mm, Ø: 81mm.
It is suitable for max. 100mm Ø petri dishes. Aluminium ring : Ø: 83mm
Disinfection of the replicator stamp including aluminium ring can be made with ethanol.
The tissues (15 x 15cm) are made of cotton/polyester and can be autoclaved.

Description	PK	Cat. No.
LLG-Replicator stamp	1	**9.055 000**
LLG-Autoclavable tissues	1	**9.055 001**
LLG-Set stamp + 12 tissues	1	**9.055 002**

1

1 Petri dish holder

Constructed in steel wire, as outloned below. Suitable for dish diameters of 100mm, Internal diameter approx. 102mm, Internal height approx. 230mm.

Description	PK	Cat. No.
Electropolished, grade 1.4301 stainless steel	1	**9.908 127**
White nylon-coated	1	**9.908 128**

2

2 Petri dish stands

ABS. For 15 petri dishes up to 102mm diameter.

Width mm	Length mm	Height mm	PK	Cat. No.
90	210	210	1	**9.170 100**

3

3 Anaerobic jars, stainless steel

schuett-biotec

For the cultivation of anaerobic and microaerophilic microorganisms in a defined and rapidly generated gas atmosphere.The requested atmosphere may be reached under ideal conditions by two methods. Either by using chemical gas packs (anaerobe systems) or by manually evacuating the jars with a vacuum pump and flushing with gas afterwards (e.g. with nitrogen), in this case no chemical accessories are needed. The jars are made of robust stainless steel or transparent PC.The lids are made of UV-resistant plastic or transparent polycarbonate with two corner valves incl. tube clips for vacuum hoses (5 mm i.d.) and with manometer for exact control of the vacuum or overpressure (-1 to 0.2 bar).On request, the lids are available as custom-made versions, e.g. made of other material, without valves and manometer or equipped with high-temperature manometer. The optional racks are made of stainless steel providing holders for comfortable operation of the anaerobe systems.

Methods for reaching anaerobic conditions:
3 x times evacuating and filling gas, flushing with gas for 5 minutes and chemical gas production (GasPacks) for Anaerobic jars "small", "standard", "large" and "chrystal". For Anaerobic jar "eco" flushing with gas for 5 minutes.

Type	To hold dishes quantity	Int. dia. mm	Int. height mm	Capacity litres	Fig.	PK	Cat. No.
Anaerobic jar "small"*	10 (60 to 100mm dia.)	120	165	2	a	1	**9.520 051**
Anaerobic jar "standard"*	15 (60 to 100mm dia.)	120	270	3	b	1	**9.520 056**
Anaerobic jar "large"*	15 (up to 150mm dia.)	175	270	6	c	1	**9.520 050**
Anaerobic jar "eco"**	15 (60 to 100mm dia.)	120	270	3	d	1	**9.520 057**
Anaerobic jar "crystal"***	15 (60 to 100mm dia.)	120	270	3	e	1	**9.520 058**
Rack "small"	10 (60 to 100mm dia.)					1	**9.520 059**
Rack "standard"	15 (60 to 100mm dia.)				f	1	**9.520 053**
Rack "150"	15 (up to 150mm dia.)					1	**9.520 060**
Rack "3 x 60"	45 (60mm dia.)					1	**9.520 061**
Rack "micro"	for multiwell plates					1	**9.520 062**
Test tube holder	for 9 test tubes (18mm dia.)					1	**9.520 063**
GAS-Pack-Kit "anaerobic"****						10	**9.520 064**
GAS-Pack-Kit "CO2"****						10	**9.520 065**
GAS-Pack-Kit "microaerophil"****						10	**9.520 066**
Anaerobiose Indicator (test strip)						100	**9.520 067**
Safety-Catalyst-Set (bag)						5	**9.520 068**

*Stainless steel jar with UV-restistant plastic lid (2 valves, 1 manometer)
**Stainless steel jar with UV-restistant plastic lid (ventilation screw)
***Transparent polycarbonate jar and lid (2 valves, 1 manometer)
****1 Bag= Volume 3.5l

1 Anaerobic jar, polycarbonate

Polycarbonate. 3.5L capacity which accepts 12 x 90mm plastic petri dishes. The yoke lid clamp has centre wheel tightening with pressure gauge, automatic safety valve, Schrader inlet and outlet valves, low temperature catalyst and insert petri dish carrier.

Description	PK	Cat. No.
For 12 x 90 mm plastic petri dishes	1	**9.951 678**

2 Anaerobic jar, polycarbonate, accessories and spares

Gas generating kits. For polycarbonate anaerobic jar 9.951 678. Supplied in packs of 10. Must be stored between 2°C and 25°C.

Description	PK	Cat. No.
Anaerobic kit	10	**9.951 684**
Campylobacter kit	10	**9.951 685**
Carbon dioxide kit	10	**9.951 686**

3 Hand tally counter

NEW!

Use for counting blood cells, bacterial colonies, drops of liquid, or any repetitive event. Tallies up to 9999. Features a quick-reset knob, lens window for easy reading, and finger ring for a secure grip. Sturdy, chrome-finished, metal housing.
Dimensions: 46mm diameter x 41mm W.

Description	PK	Cat. No.
Hand tally counter	1	**6.237 971**

4 Hand talley counter

Each time the lever is pressed the counting mechanism increases the total by one. Counter can be set to zero using the knurled knob (right hand side). Numbers: 4 digits, 4.5mm high. Weight 75g.

Type	PK	Cat. No.
Counter with key ring attachment	1	**9.309 101**
Counter with bench attachment	1	**9.309 103**

5 Economy Counters

Mechanical, benchtop counters are ideal for determining the number of cells, counting parts, etc. Use with blood cell labels provided or insert your own. Each key records up to 999 count strokes. A totalising window keeps track of the total number of strokes made on all keys; a bell rings at every 100 total counts reached.

Description	Width mm	Length mm	Depth mm	PK	Cat. No.
6-key Economy Counter	76	250	56	1	**9.521 801**
9-key Economy Counter	76	320	56	1	**9.521 802**

1

2

1 2 Colony counter eCount™

NEW!

Heathrow Scientific

Multi-function electronic counter with a Sharpie® pen for marking Petri dishes to prevent missing or double-counting colonies. Light, ergonomic body is balanced for easy manipulation. For easy counting of bacteria and mould fungus colonies.
Counting contol via membrane keys.
- Count up, then count down verification
- Display the total and keep in the memory up to 32 separate counts
- Disable the counter so you can write totals and notes
- Verify each count with either a bleep or LED Flash

Type	PK	Cat. No.
Colony counter eCount™ incl. Sharpie® pen, black, fine-point and stand	1	**9.521 783**
Replacement pens Sharpie® pen, black, fine-point	12	**9.521 787**

3 Colony Counter SC6+

NEW!

Stuart

- Pressure sensitive counting
- Average count facility
- Bright white energy saving LED lighting
- With BioCote antimicrobial protection
- Audible confirmation
- Choice of light or dark background
- Connectivity to printer or computer

Touch pressure with felt tip marker on petri dish registers cumulative count on the digital display with confirmation by audible tone (can be turned on or off). The pressure required to register a count can be adjusted to suit each user. Averaging facility calculates average count over multiple plates. Counting results as well as useful statistics including SD can be sent directly to the accessory printer or to a computer via a USB cable supplied. Sub-stage illumination by low energy bright LEDs allows glare-free optimum viewing. A switchable black background is provided to enhance viewing of translucent and difficult to see colonies. Supplied with two Wolffhuegel graticules and dish centering adapters to facilitate use with 50mm to 90mm dishes. A choice of magnifiers and a printer are available as optional accessories.

Specification

Lighting:	White LED array
Digital display:	3 digit LED
Count:	0 to 999
Dimensions (w x d x h):	310 x 300 x 140mm
Mass:	1.5kg
Electrical supply:	120 to 230V, 50/60Hz, 70W

Type	PK	Cat. No.
SC6+	1	**9.645 280**

3

Accessories for Colony Counter SC6+

NEW!

Stuart

Description	PK	Cat. No.
Accessory printer with power supply	1	**9.950 399**
Magnifier 1.7x	1	**9.645 281**
Magnifiers 3x	1	**6.223 318**
Wolfhuegel graticule/segmentation discs for colony counter	10	**6.238 272**
Centering adapter	2	**6.242 195**
Protective discs	5	**6.241 644**

1 Colony counter, schütt count

schuett-biotec

Designed for reliable and efficient counting of bacterial colonies and bacteriophage plaques growing on nutrient agar or nutrient discs/filter disks in Petri dishes. Provides ergonomic, relaxed and comfortable operation. For Petri dishes of 60, 90 or 150mm diameter. State-of-the-art, LEDlight, for absolutely glarefree illumination without blinding or stray light. No eyestrain. A so far unknown level of transparency and contrast differentiation with natural colour reproduction of the colonies is obtained. Contrast-disk is provided for counting colonies in light and dark fields when using clear or dark agar. No heating of the samples occurs. The counting impulse is triggered by marking the colonies with an ordinary felt-tip marker pen. The device is equipped with a penholder as well as a 4-digit LED-display (0 to 9999 counts) and a clearly arranged foil keypad for all controls. Average count calculation, data transfer via USB to PC, light intensity, pressure sensitivity and buzzer are adjustable as counting controls.
Items supplied: For 90mm dia. Petri dishes: adapter (transparent) for illumination from below, adapter (black/white) for illumination from side, contrast disc (black), USB-cable, marker-pen with holder.
Overall dimensions (WxDxH): 260 x 250 x 130mm
Height with integral support stand approx. 300mm

Type	PK	Cat. No.
schuett count colony counter, 100-240 V (Fig. a)	1	**9.521 940**

Accessories for Schütt count Colony counter

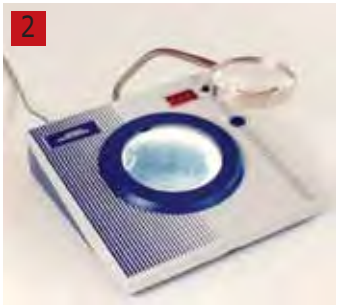
schuett-biotec

Type	PK	Cat. No.
Magnifier 3 x (100mm dia.)	1	**9.521 941**
Magnifier 8 x (30mm dia.)	1	**9.521 942**
LED overhead lamp	1	**9.521 943**
Adapter for Petri dishes, 50 to 60mm dia. (Fig. e)	1	**9.521 944**
Adapter for Petri dishes, 140 to 150mm dia. (Fig. d)	1	**9.521 945**
Spiral-Plater Disc, black/white (Fig. b)	1	**9.521 946**
Wolffhügel Disc, black/white (Fig. b)	1	**9.521 947**
Counting needle (Fig. c)	1	**9.521 948**

2 Colony counter, Colonicont

Gerber

The most laborious task in bacterial studies is the counting of colonies on culture media in petri dishes. Colony counters substantially help with this and are therefore an indispensable aid within every microbiological laboratory. They allow easy, fast and reliable counting of bacteria colonies.



Intelligent counting sensor technology
The petri dish support is pressure-sensitive. By touching the colony lightly with a normal felt-tip pen the counter is operated.
- adjustable pressure sensitivity
- pressure sensor system provides even sensitivity across the entire work area
- automatic weight compensation accommodates glass and plastic petri dishes
- connection for external contact counting probe

Adjustable illumination
A choice of background colour (black or white) provides peripheral illumination directly or indirectly, from below. This provides enhanced visibility of petri dishes with multi-coloured cultures or bacteria colonies.

Comfortable operation
- ergonomically designed for fatigue-free working
- circular lamp provides even and glare-free illumination of the work area
- high-quality, distortion-free, 100mm diameter magnifier with flexible metal arm
- interchangeable counting grid with Wolffhuegel pattern
- adapter for various sizes of petri dish
- holder for marking pen
- digital counter 0 to 999 with zero reset
- non-volatile count memory

Type	PK	Cat. No.
Colony counter, Colonicont	1	**9.112 650**

1

1 Colony counter Scan® 100

NEW!

interscience

Scan® 100 is a high-tech manual colony counter remarkable for its user-friendly functions and ergonomy. A LED lighting system with Dark Field technology gives an accurate and contrasted view of the colonies. The integrated USB port allows export of the results to guarantee traceability and to reduce time of counting and reporting. Touch screen, volume and light intensity are easily adjustable. For all petri dishes from 55mm up to 150mm. Adapted to any kind of pen.

Type	PK	Cat. No.
Scan® 100	1	**6.237 952**

2

6.237 357

3

9.521 960

Colony counter Scan® 500 and 1200

NEW!

interscience

Scan® 500 is a high-tech automatic colony counter. It counts colonies on a Petri dish in less than half a second and gives you quick, accurate, complete and traceable reading of the results. With its CCD camera and a powerful software, it connects to a PC via a Firewire connection automatically export results to Excel.

Scan® 1200 is a high resolution automatic colony counter that offer quick, and traceable counting results. Widely used in food microbiology, it counts colonies and automatically saves all data to Excel. Equiped with a digital camera and a powerful software, it connects to a PC via a Firewire connection. Scan® 1200 counts all colonies, even on smallest poured, spread and Spiral® Petri dishes; on PetriFilm™ and RIDA™ Count/Sanita-kun™, on filtration membrane and Compact Dry™.

Type	PK	Cat. No.
Scan® 500	1	**6.237 357** 2
Scan® 1200	1	**9.521 960** 3

4

4 Kapsenberg caps

Aluminium. For the closure of culture tubes, bottles and flasks.

DURAN Group

For neck dia. mm	PK	Cat. No.
16	1	**9.010 116**
18	1	**9.010 118**

5

5 Metal caps, Erlenmeyer

Aluminium. Anodised in a choice of colours.

schuett-biotec

Special caps for sterile, but not hermetically sealing, closure of culture flasks and media bottles with straight, rimmed or rimless necks as indicated. With nichrome steel springs that clamp onto the outer wall of the container.
Cleaning advice available on request.

For neck dia. mm	Colour	With rim	PK	Cat. No.
37/39	silver	no	10	**9.231 456**
37/39	blue	no	10	**9.231 457**
37/39	red	no	10	**9.231 458**

1 Metal caps, Labocap with handle

NEW!

schuett-biotec

Aluminium. Anodised in a choice of colours. For sterile, but not hermetically sealing, closure of containers. With nichrome steel springs that clamp onto the outer wall of the container. Autoclavable.
Cleaning advice available on request.

For neck dia. mm	Handle	Colour	PK	Cat. No.
15/16	with	silver	100	**9.231 345**
17/18	with	silver	100	**9.231 347**
15/16	with	blue	100	**9.231 403**
15/16	with	red	100	**9.231 413**
15/16	with	yellow	100	**9.231 326**
17/18	with	yellow	100	**9.231 330**
15/16	with	green	100	**9.231 327**
17/18	with	green	100	**9.231 331**
15/16	with	black	100	**9.231 328**
17/18	with	black	100	**9.231 332**
15/16	with	violet	100	**9.231 329**
17/18	with	violet	100	**9.231 333**

2 Metal caps, Labocap without handle

NEW!

schuett-biotec

For neck dia. mm	Handle	Colour	PK	Cat. No.
9/10	without	blue	100	**9.231 421**
12/13	without	blue	100	**9.231 422**
14/15	without	blue	100	**9.231 423**
15/16	without	blue	100	**9.231 424**
17/18	without	blue	100	**9.231 425**
19/20	without	blue	100	**9.231 426**
21/23	without	blue	100	**9.231 427**
24/26	without	blue	100	**9.231 428**
28/30	without	blue	100	**9.231 429**
9/10	without	red	100	**9.231 441**
12/13	without	red	100	**9.231 442**
14/15	without	red	100	**9.231 443**
15/16	without	red	100	**9.231 444**
17/18	without	red	100	**9.231 445**
19/20	without	red	100	**9.231 446**
21/23	without	red	100	**9.231 447**
24/26	without	red	100	**9.231 448**
28/30	without	red	100	**9.231 449**
12/13	without	yellow	100	**9.231 460**
15/16	without	yellow	100	**9.231 461**
17/18	without	yellow	100	**9.231 462**
19/20	without	yellow	100	**9.231 339**
12/13	without	green	100	**9.231 463**
15/16	without	green	100	**9.231 464**
17/18	without	green	100	**9.231 465**
19/20	without	green	100	**9.231 340**
09/10	without	silver	100	**9.231 369**
12/13	without	silver	100	**9.231 372**
14/15	without	silver	100	**9.231 374**
15/16	without	silver	100	**9.231 375**
17/18	without	silver	100	**9.231 377**
19/20	without	silver	100	**9.231 379**
21/23	without	silver	100	**9.231 381**
24/26	without	silver	100	**9.231 385**
28/30	without	silver	100	**9.231 388**
12/13	without	black	100	**9.231 334**
15/16	without	black	100	**9.231 466**
17/18	without	black	100	**9.231 337**
19/20	without	black	100	**9.231 341**
12/13	without	violet	100	**9.231 335**
15/16	without	violet	100	**9.231 336**
17/18	without	violet	100	**9.231 338**
19/20	without	violet	100	**9.231 342**
12/13	without	brown	100	**9.231 435**
13/16	without	brown	100	**9.231 436**
17/18	without	brown	100	**9.231 437**
19/20	without	brown	100	**9.231 438**

1 Aluminium caps

Pure aluminium. Matt finish. Without internal clips. Loose-fit caps for sterile, but not hermetically sealing, closure of culture flasks and other containers. Can also be used as open specimen holders. Autoclavable.

schuett-biotec

Int. dia. mm	Height mm	PK	Cat. No.
11	25	100	**9.230 821**
12	25	100	**9.230 822**
13	25	100	**9.230 823**
14	25	100	**9.230 824**
15	25	100	**9.230 825**
16	30	100	**9.230 826**
17	30	100	**9.230 827**
18	30	100	**9.230 828**
20	30	100	**9.230 829**
22	30	100	**9.230 830**
28	30	100	**9.230 831**
32	30	100	**9.230 832**
39	30	10	**9.230 833**
44	40	10	**9.230 834**
48	40	10	**9.230 835**
55	40	10	**9.230 836**
58	40	10	**9.230 837**

Metal caps

For culture flasks and culture medium bottles.

DURAN Group

Material	For neck dia. mm	PK	Cat. No.
Stainless steel	38	1	**9.010 481** 2
Aluminium, anodised blue	38	1	**9.010 482** 3

9.010 481

9.010 482

4 Tubes, glass, DURAN®, culture, screw cap

NEW!

DIN thread. Complete with red PBT screw cap with PTFE-faced sealing wad. Thus, it is suitable for the cultivation of microorganisms. Glass Type I/neutral glass as per USP, EP and JP. Autoclavable.

DURAN Group

Dia. mm	Height mm	Neck thread GL	PK	Cat. No.
12	100	14	50	**9.010 012**
13	100	14	50	**9.010 013**
16	150	18	50	**9.010 014**
16	160	18	50	**9.010 016**
18	180	18	50	**9.010 018**
20	150	18	50	**9.010 019**

5 Culture tubes, glass DURAN®, small, rimless

To DIN 38411 part 6. Rimless. Suitable for use with Kapsenberg caps. Glass Type I/neutral glass as per USP, EP and JP. Autoclavable.

DURAN Group

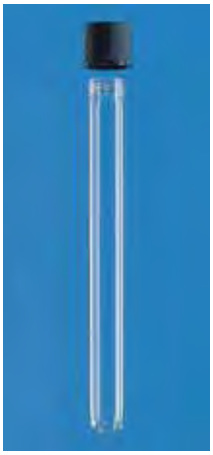
Dia. mm	Height mm	Wall thickness mm	PK	Cat. No.
16	160	1.0 to 1.2	100	**9.010 046**
18	180	1.0 to 1.2	100	**9.010 048**

1 Tubes, glass, culture, screw cap, not graduated

AR soda glass®. Wall thickness approx. 1 mm. With PP screw cap with white elastomer seal. Autoclavable (to 121°C). *BRAND*

Dia. mm	Height mm	Neck thread GL	Max. rcf x g	PK	Cat. No.
18	180	18	1100	100	**7.019 348**
12	100	14	3000	100	**9.010 032**
16	100	18	3000	100	**9.010 036**
16	160	18	1800	100	**9.010 037**

1



2 Closure BugStopper™

BugStopper™ is a unique, reusable closure, providing an ideal sterile vent for culture vessels. The stopper is manufactured from biosafe silicone with a central vent incorporating an ultra-fine, hydrophobic, glass microfibre filter, reinforced with polyester monofilament laminates. A stainless steel reinforcement ring surrounds the vent for additional support. The device prevents bacteria or viruses from entering or exiting the culture vessel whilst at the same time allowing the free passage of air and gases through the venting layer. It has a filter rating of 99.9% bacterial filtration efficiency (BFE) and viral efficiency (VFE). BugStopper™ is available in two sizes and simply pushes onto a variety of culture vessels. The device fits inside the necks of most 250ml to 2500ml flasks and on the outside of most 125ml flasks. *GE Healthcare*

Description	Ext. top dia. mm	Ext. bottom dia. mm	Int. bottom dia. mm	PK	Cat. No.
BugStopper™	43	28	21	10	**9.230 595**
BugStopper™	43	28	21	100	**9.230 596**
BugStopper™ 10	54	37	22	10	**9.230 597**

2

3 Culture bottles, glass, cylindrical

DURAN®. Rimless. For use with Kapsenberg caps. Glass Type I/neutral glass as per USP, EP and JP. Autoclavable. *DURAN Group*

Capacity ml	Dia. mm	Height mm	Neck dia. mm	PK	Cat. No.
50	40	107	18	1	**9.010 050**
100	40	150	18	1	**9.010 060**
200	50	175	18	1	**9.010 070**

3

4 Bottles, glass, culture medium for metal caps

DURAN®. Rimless. Glass Type I/neutral glass as per USP, EP and JP. Autoclavable. *DURAN Group*

Capacity ml	Dia. mm	Neck dia. mm	Height mm	PK	Cat. No.
100	50	38	125	1	**9.010 150**
300	71	38	170	1	**9.010 151**
500	83	38	208	1	**9.010 152**
1000	105	38	243	1	**9.010 153**

4

1

1 Bottles, glass, culture medium, DURAN®

Rimless. For glass caps. Glass Type I/neutral glass as per USP, EP and JP. Autoclavable. *DURAN Group*

Capacity ml	Dia. mm	Neck dia. mm	Height mm	PK	Cat. No.
300	71	31	169	1	**9.010 130**
500	83	46	204	1	**9.010 135**
1000	105	46	237	1	**9.010 140**

2

2 Glass caps

DURAN®. Glass Type I/neutral glass as per USP, EP and JP. Autoclavable. *DURAN Group*

For neck dia. mm	PK	Cat. No.
31	1	**9.010 180**
46	1	**9.010 185**

3

3 Culture media bottles, glass

DURAN®. Beaded rim. Glass Type I/neutral glass as per USP, EP and JP. Autoclavable. *DURAN Group*

Capacity ml	Dia. mm	Neck dia. mm	Height mm	PK	Cat. No.
100	50	29	115	1	**9.010 224**
300	71	42	168	1	**9.010 239**
500	83	42	206	1	**9.010 244**
1000	105	46	237	1	**9.010 254**
2500	150	50	315	1	**9.010 266**
5000	185	54	390	1	**9.010 273**

4

4 Bottles, glass, square

DURAN®. Breed-Demeter pattern. With beaded rim. Glass Type I/neutral glass as per USP, EP and JP. Autoclavable. *DURAN Group*

Capacity ml	Width mm	Height mm	Neck dia. mm	PK	Cat. No.
180	48	148	28	1	**9.010 470**

5

5 Culture dishes, glass

For cultivating plant material or for cell cultures. Rolled rim dishes with slightly tapering sides and drop-on cover. Stable, even when empty and stackable to save space. An accessory clamp can be used to fasten the lids down tightly. *schuett-biotec*

Type	Capacity ml	PK	Cat. No.
Culture dishes size 1	250	6	**9.010 950**
Culture dishes size 2	500	6	**9.010 952**
Culture dishes size 3	750	6	**9.010 954**
Lid clamps only*		20	**9.010 958**

* for all sizes!

Test tubes please see page 17.

1 Culture flasks, DURAN®

DURAN®. Roux pattern. With fire-polished, offset neck. Glass Type I/neutral glass as per USP, EP and JP. Autoclavable. *DURAN Group*

Capacity ml	Width mm	Length mm	Height mm	PK	Cat. No.
1200	123	275	56	1	**9.010 512**

2 Culture flasks, glass DURAN®

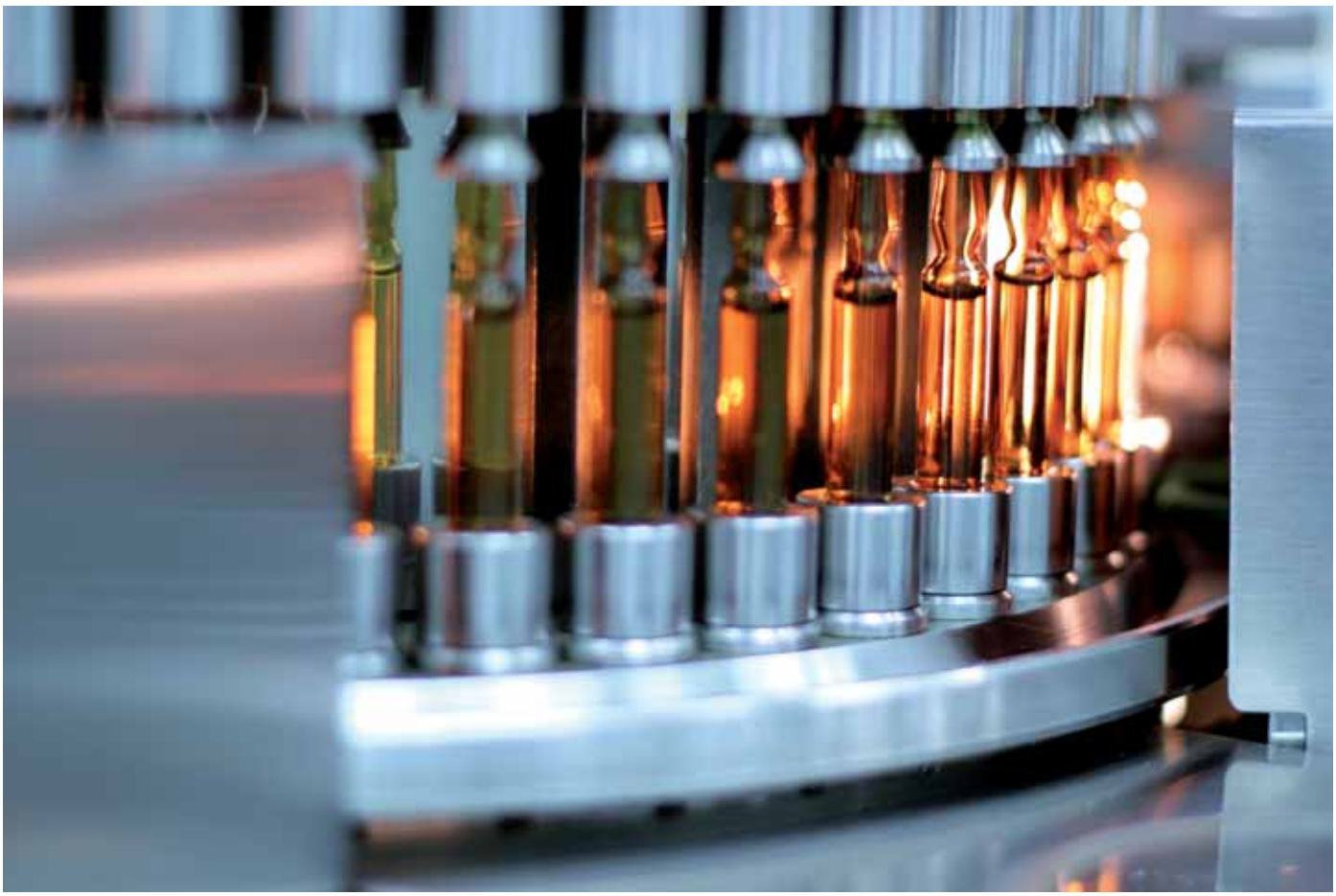
DURAN®. Erlenmeyer. Straight neck. Suitable for metal caps. Glass Type I/neutral glass as per USP, EP and JP. Autoclavable. *DURAN Group*

Capacity ml	Dia. mm	Neck dia. mm	Height mm	PK	Cat. No.
100	64	38	114	1	**9.010 472**
200	79	38	138	1	**9.010 473**
250	85	38	149	1	**9.010 474**
300	87	38	161	1	**9.010 475**
500	105	38	183	1	**9.010 476**
1000	131	38	229	1	**9.010 477**
2000	166	38	302	1	**9.010 478**

3 Erlenmeyer flasks, DURAN®

DURAN®. Straight neck , rimless. For use with Kapsenberg caps. Glass Type I/neutral glass as per USP, EP and JP. Autoclavable. *DURAN Group*

Capacity ml	Dia. mm	Neck dia. mm	Height mm	PK	Cat. No.
100	60	18	120	1	**9.010 080**



1 2 3 Disposable Erlenmeyer Flasks, Type 4112 PETG, sterile

NEW!

Nalgene

Sterile disposable flasks with white PE-HD closure reduce the chance for cross contamination. Ideal for shaker and suspension cell culture, media preparation or storage. Made of light, crystal clear PETG plastic. Molded-in graduations. Leakproof HDPE screw closures open to vent with 1/4 turn. Flasks offer a 5-year shelf life, a 10-6 SAL, are non-pyrogenic and non-cytotoxic. Individually packaged for easy storage and handling. Available with flat or baffled bottom. Also available with monted vented closure. Vented closures with finish 38-430 (for 125ml and 250ml) or with finish 45-430 (for 500ml, 1000ml and 2000ml) separate available.

Type	Description	Capacity ml	Cover type	PK	Cat. No.
4112	Flat Bottom	125	38-430	1	**7.630 506**
4112	Flat Bottom	250	38-430	1	**6.802 833**
4112	Flat Bottom	500	45-430	1	**6.229 662**
4112	Flat Bottom	1000	45-430	1	**6.234 596**
4112	Flat Bottom	2000	45-430	1	**9.141 301**
4112	Flat Bottom	2800	70	1	**9.141 302**
4113	Baffled Bottom	125	38-430	24	**6.901 167**
4113	Baffled Bottom	250	38-430	12	**6.901 168**
4113	Baffled Bottom	500	45-430	1	**6.234 594**
4113	Baffled Bottom	1000	45-430	1	**6.234 595**
4113	Baffled Bottom	2000	45-430	4	**6.227 923**
4113	Baffled Bottom	2800	70	1	**9.141 303**
4114	Vented Closure		38-430	12	**6.229 663**
4114	Vented Closure		45-430	12	**6.227 924**

1

2

3

4 5 Disposable Erlenmeyer Flasks, Type 4115, 4116, PETG, sterile, ventilated

NEW!

Nalgene

With blue vented closure, the chance for cross contamination is reduced. Ideal for shaker and suspension cell culture, media preparation or storage. Made of light, crystal clear PETG. Molded-in graduations. Leakproof PE-HD closure has a hydrophobic 0.2ìm PTFE membrane that allows sterile air exchange. Flasks offer a 5-year shelf life, a 10-6 SAL, are non-pyrogenic and non-cytotoxic. Available with flat or baffled bottom. Also available with monted not vented closure. Individually packaged for easy storage and handling.

Type	Description	Capacity ml	Cover type	PK	Cat. No.
4115	Flat Bottom	125	38-430	1	**6.234 530**
4115	Flat Bottom	250	38-430	12	**6.231 087**
4115	Flat Bottom	500	45-430	1	**9.141 304**
4115	Flat Bottom	1000	45-430	1	**9.141 305**
4115	Flat Bottom	2000	45-430	1	**9.141 306**
4115	Flat Bottom	2800	70	1	**9.141 307**
4116	Baffled Bottom	125	38-430	1	**9.141 308**
4116	Baffled Bottom	250	38-430	1	**9.141 309**
4116	Baffled Bottom	500	45-430	1	**9.141 310**
4116	Baffled Bottom	1000	45-430	1	**9.141 311**
4116	Baffled Bottom	2000	45-430	1	**9.141 312**
4116	Baffled Bottom	2800	70	1	**9.141 313**

4

5

1 Erlenmeyer flasks with baffles, PC

NEW!

Nalgene

Transparent. With baffles indented into the base which increases mixing when trypsinising and aerating in processes such as cell culture and fermentation. Autoclavable.

Capacity ml	PK	Cat. No.
250	1	**9.140 968**
500	1	**9.140 969**
1000	1	**7.048 662**
2000	1	**7.048 663**

2 Baffled flasks DURAN®

NEW!

DURAN Group

With GL 45 thread
- Reduced cell growth due to limited oxygen transfer.
- Baffled flasks cause a turbulent flow, increase the gas exchange surface and produce a higher oxygen transfer.
- Automated one-step production enables a reproducible and comparable result.
- Complete with membrane screw cap (gas exchange).

Capacity ml	Dia. mm	Neck dia. mm	Height mm	PK	Cat. No.
250	81	30	145	1	**9.141 260**
500	105	30	180	1	**9.141 261**

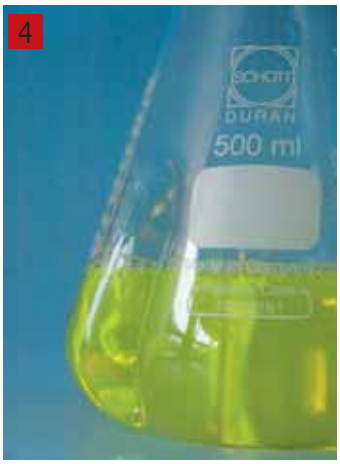
3 4 Culture flasks, Boro 3.3

Erlenmeyer. Triple battled shake flask. Straight neck. Suitable for metal caps.

Capacity ml	Dia. mm	Neck dia. mm	Height mm	PK	Cat. No.
100	64	38	112	1	**9.010 120**
250	85	38	145	1	**9.010 121**
500	105	38	183	1	**9.010 122**
1000	131	38	232	1	**9.010 123**

Erlenmeyer. Triple battled shake flask. Beaded rim.

Capacity ml	Dia. mm	Neck dia. mm	Height mm	PK	Cat. No.
250	85	34	140	1	**9.010 125**
300	87	34	156	1	**9.010 126**
500	105	34	175	1	**9.010 127**
1000	131	42	220	1	**9.010 128**



1 Silicone stoppers SILICOSEN® and BIO-SILICO®

Hirschmann

SILICOSEN® and BIO-SILICO® are specially processed culture plugs in silicone rubber with continuous bubbles for preparation, filling and sterilisation of culture media. Their uniform pore structure and good air permeability make them excellent for the cultivation of aerobic microorganisms.

The choice between SILICOSEN® and BIO-SILICO® culture stoppers depends on the requirements of the application. SILICOSEN® culture stoppers have low water evaporation which makes them particularly suitable for long term cultures. BIO-SILICO® culture stoppers have high air permeability, similar to cotton plugs. Both types are chemically resistant, temperature resistant, liquid repellent and reusable.

2 Silicone stoppers BIO-SILICO® N-Type

Hirschmann

Cell size is uniform, which provides stable and good permeability. Optimum product for shaking cultures-durability and operability are excellent.

Type	NS	Top dia. mm	Bottom dia. mm	Cylindrical length mm	Cone length mm	PK	Cat. No.
N-12	9 / 11	13	9	13	17	1	**9.231 100**
N-15	11 / 14	16	11	14	22	1	**9.231 101**
N-17	13 / 16	19	13	15	25	1	**9.231 102**
N-19	15 / 18	21	15	16	28	1	**9.231 103**
N-22	18 / 21	24	18	18	30	1	**9.231 104**
N-24	20 / 23	25	20	20	32	1	**9.231 105**
N-32	22 / 30	34	22	24	36	1	**9.231 106**
N-42	30 / 40	44	30	32	46	1	**9.231 107**
N-52	40 / 50	54	40	36	50	1	**9.231 108**

3 Silicone stoppers SILICOSEN® S-Type

Hirschmann

Superb permeability. Suitable for aerobic bacterium cultures and shaking cultures.

Type	NS	Top dia. mm	Bottom dia. mm	Cylindrical length mm	Cone length mm	PK	Cat. No.
S-28	17 / 26	28	17	18	27	1	**9.231 178**
S-35	24 / 33	35	24	20	30	1	**9.231 185**
S-40	28 / 38	40	28	20	30	1	**9.231 190**

4 Silicone stoppers SILICOSEN® C-Type

Hirschmann

Superb permeability and fits tight onto the media container due to sealing lip where importance is placed on mounting quality. Suitable for shaking cultures.

Type	NS	Membrane dia. mm	Length mm	PK	Cat. No.
C-20	15 / 25	16	28	1	**9.231 120**
C-30	25 / 35	26	28	1	**9.231 130**
C-40	35 / 45	36	28	1	**9.231 140**
C-55	45 / 55	50	28	1	**9.231 150**

1 Silicone stoppers SILICOSEN® T- and L-Type

Moisture evaporation is minimal, thus there is less drying of the culture medium. *Hirschmann*

Type	NS	Filter diam. top	Filter diam. bottom	Cylindrical length	Cone length	PK	Cat. No.
		mm	mm	mm	mm		
T-10	6 / 9	10	6	13	17	1	**9.231 010**
T-12	9 / 11	12	9	13	17	1	**9.231 012**
T-15	11 / 14	15	11	15	20	1	**9.231 015**
T-17	13 / 16	17	13	10	30	1	**9.231 017**
T-19	15 / 18	19	15	12	30	1	**9.231 019**
T-22	18 / 21	22	18	15	30	1	**9.231 022**
T-24	20 / 23	24	20	20	35	1	**9.231 024**
T-32	22 / 30	32	22	20	40	1	**9.231 032**
T-42	30 / 40	42	30	35	55	1	**9.231 042**
T-52	40 / 50	52	40	40	60	1	**9.231 052**
L-12	9 / 11	12	9	40	10	1	**9.231 072**
L-17	13 / 16	17	13	30	20	1	**9.231 077**
L-22	18 / 20	22	18	30	30	1	**9.231 082**

2 Square Media Bottles Typ 2019, PETG, sterile

NEW!

With white PE-HD screw closure. Reduced permeability to CO_2/O_2 which reduces pH-shift. Bottles and closures are radiation-sterilised and non-pyrogenic to eliminate costly washing, depyrogenation and autoclaving steps. Heatshrink band around closure and neck provides tamper-evident seal. Packed in shrink-wrapped trays. 2L size has molded-in handgrips and a 53-mm (53B) white closure. Bottles are sterile to 10-6 SAL, non-pyrogenic, non-cytotoxic and comply with USP Class VI guidelines. Sterile. Transparent. Leakproof. Graduated. *Nalgene*

Type	Capacity	Cover type	Dimensions	PK	Cat. No.
	ml		mm		
2019	30	diam. 20 mm	64 x 38 x 38	24	**9.103 121**
2019	60	diam. 24 mm	82 x 41 x 41	24	**9.103 122**
2019	125	diam. 38 mm/design 430	110 x 54 x 54	24	**9.103 123**
2019	250	diam. 38 mm/design 430	146 x 61 x 61	24	**9.103 124**
2019	500	diam. 38 mm/design 430	177 x 74 x 74	12	**9.103 125**
2019	1000	diam. 38 mm/design 430	220 x 94 x 94	12	**9.103 126**
2019	2000	diam. 53 mm/design 53B	271 x 116 x 116	6	**9.103 127**

3 Bottle InVitro™ Biotainer®, Type 3750, 3751, HDPE, sterile

NEW!

Leakproof bottle with PP screw cap, suitable for freezing and storing biological reagents from -100°C to 99°C. 38mm closure is silicone lined. 3.9L overflow volume. Black printed graduations in ml to 3000ml. Space saving square shape and convenient handle. Meets current USP 87, 88. Each lot tested for pyrogenicity. *Nalgene*

Type	Capacity	Cover type	PK	Cat. No.
	ml			
3751	4000	38 mm	8	**9.102 989**
3750	4000	38 mm*	8	**9.102 987**
3751	4000	38 mm	24	**9.102 988**

* with heat shrink tape sealed.

1 Media Bottles with Certified Cleanness Type 382019, PETG, sterile

NEW!

Nalgene

Suited for biopharmaceutical processing and storage of critical reagents and bulk intermediates such as vaccine and protein therapeutic preparations. Manufactured in a certified ISO 14644-1 Class 7 cleanroom. Containers are lot certified to comply with particulate limits specified in USP <788>, EP 2.9.19, and JP 14th ed. Part 1, Section 24. Packaging is designed for cleanroom applications. Bottle and closure are secured with a tamper-resistant heat-shrink band and packaged in heat-sealed bags to support cleanroom operations. USP Class VI, EP Modified Abnormal Toxicity, and USP <661> physicochemical tests compliant. Bottles meet the requirements for USP Class VI, EP Modified Abnormal Toxicity Test, are non-cytotoxic, non-pyrogenic, non-hemolytic, and comply with USP <661> physicochemical guidelines. Resins are free of animal derived components (ADCF). Leakproof.

Type	Capacity ml	Cover type	PK	Cat. No.
382019	30	diam. 20 mm /design 415	1	**9.102 958**
382019	60	diam. 24 mm /design 415	1	**9.102 959**
382019	125	diam. 38 mm /design 430	1	**9.102 960**
382019	250	diam. 38 mm /design 430	1	**9.102 961**
382019	500	diam. 38 mm /design 430	1	**9.102 962**
382019	1000	diam. 38 mm /design 430	1	**9.102 963**
382019	2000	diam. 53 mm /design 53B	1	**9.102 964**

2 Filling and Venting Closures with 2 ports, Type 2126, PP

NEW!

Nalgene

With TPE gasket and port caps, Nalgene 50 platinum-cured silicone tubing. All plastic screw closures for sterile liquid transfer of tissue media, biological reagents, pure water and chemicals to and from Nalgene-carboys. For applications such as bio-reactors and fermenters. Suitable for all large Nalgene carboys or bottles with screw closures of 53mm (53B) or 83mm (83B). Includes two Nalgene 550 platinum-cured silicone tubing for drop tube and splash guard. Can be used with Nalgene carboy bottles with properly set up peristaltic pumps. Autoclavable.

Type	Dimensions (dia. x H) mm	Cover type mm	For tubing bore mm	PK	Cat. No.
2126	66,7 x 68,6	53	6,3	1	**7.048 080**
2126	102 x 98	83	12,7	1	**7.048 081**
2126	102 x 98	83	6,3	1	**7.048 082**

3 Diagnostic Bottles Typ 2035, PETG, sterile

NEW!

Nalgene

With white PE-HD screw cap with liner. Ideal for sterile sampling, storage and shipment of reagents and buffer solutions. Bottles are sterile to 10-6 SAL, non-pyrogenic, non-cytotoxic and comply with USP VI guidelines.

Type	Capacity ml	Cover type	PK	Cat. No.
2035	5	diam. 20 mm/ design 415	100	**6.803 092**
2035	10	diam. 20 mm/ design 415	100	**6.205 128**
2035	20	diam. 20 mm/ design 415	100	**7.632 641**

4 InVitro™ Biotainer®-Bottle, Type 3025 , PETG, sterile

NEW!

Nalgene

With PE screw cap with silicone seal. Ready to use. With printed graduations in ml. With ribbed hand-grips (except 125ml and 5000ml). Materials meet current USP VI, are non-cytotoxic and non-pyrogenic.

Type	Capacity ml	Cover type	PK	Cat. No.
3025	125	38 mm	5	**9.102 972**
3005	500	38 mm	5	**9.102 970**
3110	1000	48 mm	5	**9.102 974**
3230	2000	48 mm	5	**9.102 977**
3415	5000	48 mm*	6	**6.233 835**
3415	5000	48 mm	1	**9.102 984**

* with PE handle.

1 Bottle InVitro™ Biotainer®, Type 3030, PC, sterile

NEW!

Light blue, with PP screw cap with silicone seal. Providing safe storage from -100 to +100°C. With printed graduations in ml. With ribbed hand-grips (except 125ml and 5000ml). Meets USP 87, 88 and are tested for pyrogenicity.

Nalgene

Type	Capacity ml	Cover type	PK	Cat. No.
3030	125	38 mm	5	**9.102 973**
3120	1000	48 mm	5	**9.102 976**
3233	2000	48 mm	5	**9.102 979**
3405	5000	48 mm	1	**9.102 981**
3405	5000	48 mm*	1	**9.102 980**
3410	10000	48 mm	1	**9.102 983**
3410	10000	48 mm*	1	**9.102 982**
3423	20000	48 mm	1	**9.102 985**

* with PE-handle.

Control units for stirring drives bioMIXdrive

NEW!

9.645 981

9.645 982

2mag

bioMIXcontrol
Control unit for 1x bioMIXdrive 1/2/3/4, speed range 5rpm to 250rpm, power setting (10 steps) for high power with regard to large and viscous media and reduced power for warming-free continuous operation e.g. in CO_2 incubators, digital display, SoftStart, stainless steel housing. 3 years warranty. Made in Germany.

bioMIXcontrol S
Identical to bioMIXcontrol, but with stackable housing and vertical control panel.

bioMIXcontrol MS4
Identical to bioMIXcontrol, but for 4x bioMIXdrive 1, individual and independent speed setting for each stirring drive, also ON-/OFF-function, synchronous speed mode for all drives with one touch.

Specifications

Operation conditions:	0 to +50°C at 80% H.R. max.
Operating voltage:	100-240V 50/60Hz, 1.5A
Housing:	Stainless steel
Protection category:	IP 20

Type	Rotation speed rpm	Dimensions (W x D x H) mm	Power W	Weight kg	PK	Cat. No.	
bioMIXcontrol	5 to 200	200 x 155 x 38	4-40 (10-steps)	1.4	1	**9.645 951**	
bioMIXcontrol S	5 to 200	215 x 120 x 50	4-40 (10-steps)	1.4	1	**9.645 981**	2
bioMIXcontrol 4MS*	5 to 200	200 x 155 x 40	6	2.5	1	**9.645 982**	3

* only for bioMIXdrive 1

4 Magnetic stirrer for cell cultures with external control, bioMIXdrive 1/2/3/4

2mag

Magnetic stirrer with 1/2/3/4 stirring positions, for careful, protective and warming-free mixing of cell cultures and culture broths, also for viscous cultures, maintenance-free, large surface, 100% jerk-free, speed range 5rpm to 250rpm, encapsulated stainless steel housing, water-, dust-, germproof, IP68, submersible, easy to clean, robust construction, flat design, suitable for propeller and spinning ball culture flasks, individual measurement on request. 3 years warranty. Made in Germany.

Specifications

Permitted operation conditions:	-10°C up to +50°C at 100% H.R. max. +50°C submerged in water
Housing:	Stainless steel
Protection class:	IP 68

Type	Rotation speed rpm	Stirring positions	Stirring centre distances mm	Stirring capacity ml	Dimensions (W x D x H) mm	Power W	Weight kg	PK	Cat. No.
bioMIXdrive 1	5 to 200	1		5 to 5000	180 x 180 x 38	5	2.5	1	**9.645 950**
bioMIXdrive 2	5 to 200	2	140	5 to 5000	130 x 270 x 38	5	2.5	1	**9.645 978**
bioMIXdrive 3	5 to 200	3	140	5 to 5000	130 x 410 x 38	5	3.5	1	**9.645 979**
bioMIXdrive 4	5 to 200	4	140	5 to 5000	270 x 270 x 38	5	4.7	1	**9.645 980**