Science Medical
Lab Glassware

Chemical properties (GG17 GLASS)

The chemical resistance exceeds that of most metals and other materials even where long exposure times and temperatures in excess of 100ºC are involved. Exposure to water and acids only results in the leaching out of very small amounts of mainly univalent ions from the glass. The resultant very thin layer of silica with few pores in it that is formed on the surface inhibits further attack. Has very high resistance to attack by water, neutral and acid salt solutions, strong acids and mixtures thereof, and also chlorine, bromine, iodine and organic substances. Only hydrofluoric acid, solutions containing fluorides such as ammonium fluoride, very hot phosphoric acid and strongly alkaline solutions attack the surface of the glass to an increasing extent at higher concentrations and temperatures.

Chemical Durability

Contact Chemical	Time	Loss in Wt.Mg/M 2
Water distilled at 100ºC	6	10
Water vapour steam at 121ºC	1	75
Acid HCl	6	100
80% H_2SO_4 at 130ºC	12	140
Alkali 1 N Soln of Na_2CO_3 Boiling	6	4000

Physical properties (GG17 GLASS)

A feature, which makes it especially suitable for laboratory use, is its thermal resistance, the following individual properties being of particular validity.

Temperature resistance on being heated up and thermal shock resistance

The maximum permissible operating temperature is 500ºC. Above a temperature of 525ºC the glass begins to ¡°soften¡±, i.e. it begins to change from the solid state to the viscous state. Not only has a high resistance to chemical attack but it also has a very low coefficient of expansion and, as a result, a high resistance to thermal shock. This thermal shock resistance exceeds that of ordinary glass by a factor of three. That means that any change from hot to cold can be handled very well. The linear coefficient of expansion (20/300ºC) is 3.3 ¡¤ 10-6/K. That means that for an increase in temperature of 1000 C^0 the glass only expands by 3.3 ¡¤ 10-6 relative units of length. That is so little that hardly any stress is set up in the glass and the glass does not break when, for example, boiling water is poured into it.

Temperature resistance at freezing temperatures

Can be cooled down to the maximum possible negative temperature. That means is also suitable for use in liquid air (approx. -192ºC). In general DURAN® products are recommended for use down to -70¡ãC. When cooling down and thawing care must be taken to avoid a temperature difference of more than 100K. When freezing substances in such items as bottles or test tubes, the container should only be filled to a maximum of ¾ of its capacity and it must be frozen on the slant (45ºC).

Use in the microwave

Is suitable for use in microwaves (under suggestion).

Percentage by weight

Sio_2	80
B_2O_3	13
Na_2O	4

Thermal properties

As the thermal expansion coefficient of Borosilicate glass is low, the thermal stress is under a given temperature gradient are consequently low and the glass can withstand higher temperature gradients and also sudden temperature changes/thermal shocks.

Coefficient of Linear Expansion	32.5 x $10^{\ddot{}C70}$ C
Strains Point	515ºC
Annealing Point	565ºC
Softening Point	820ºC
Specific Heat	0.2
Thermal conductivity (Cal/Cm^3 /C/Sec)	0.0027

The "Strain Point" should be regarded as the maximum safe operating temperature of glassware. When heated above 500ºC the glass may acquire permanent stresses on cooling.

Optical properties (GG17 GLASS)

Exhibits no significant absorption in the visible range of the spectrum(GG17 GLASS). This means that the appearance is clear and colorless. In the approx. 310-2200nm range of the spectrum the absorption is negligibly low. For work with light-sensitive substances the surface of the glass can be tinted brown with a diffusion color. This results in strong absorption in the short-wave region. For work with light-sensitive substances the surface of the glass can be tinted brown with a diffusion color. This results in strong absorption in the short-wave region. The absorption margin for tinted glass is at about 500nm.
In photochemical processes the light transmission in the ultraviolet range is of particular importance. The degree of transmission in the UV range shows that photochemical reactions, for example chlorinations and sulfochlorinations, can be carried out. The chlorine molecule absorbs in the 280¡ª400nm range and thus serves as a carrier of the radiation energy.

Science Medical
Lab Glassware

GLASS BEAKERS

1101 Beaker, Low form with graduation and spout

Cat No.	Capacity(ml)	O.D. mm	Height mm	/CTN
1101-01	5	22	30	576
1101-02	10	10	45	576
1101-03	25	34	50	576
1101-04	50	42	60	192
1101-05	100	50	70	192
1101-06	150	60	80	192
1101-07	250	70	95	144
1101-08	400	80	110	72
1101-09	500	87	118	72
1101-10	600	90	125	48
1101-11	800	100	135	36
1101-12	1000	105	145	24
1101-13	2000	132	185	16
1101-14	3000	152	210	8
1101-15	5000	170	270	6

Boiling Flasks

1115 Flask, Round Bottom Narrow Neck with Beaded Rim DIN12347, ISO 1773

Cat no	Capacity (ml)	Max Dia mm	Neck Dia mm	Height mm	/CTN
1115-01	50	51	26	95	192
1115-02	100	64	26	110	192
1115-03	250	85	34	144	72
1115-04	500	105	34	175	48
1115-05	1000	131	42	200	24
1115-06	2000	166	42	260	12
1115-07	3000	185	50	260	8
1115-08	5000	223	50	305	4
1115-09	10000	279	65	420	1
1115-10	20000	345	76	515	1

1116 Flask, Round Bottom Wide Neck with Beaded Rim DIN12347, ISO 1773

Cat no	Capacity (ml)	Max Dia mm	Neck Dia mm	Height mm	/CTN
1116-01	50	51	34	105	192
1116-02	100	64	35	110	192
1116-03	250	85	51	145	72
1116-04	500	105	50	168	48
1116-05	1000	131	50	210	24
1116-06	1000	131	65	210	12
1116-07	2000	166	76	260	8
1116-08	3000	185	65	260	4
1116-09	5000	223	65	310	1

1111 Flask, Flat Bottom Narrow Neck with Beaded Rim DIN12347, ISO 1773

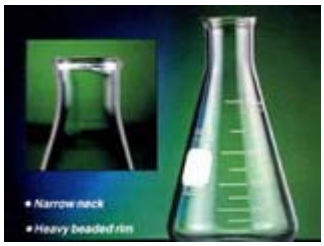
Cat no	Capacity (ml)	Max Dia mm	Neck Dia mm	Height mm	/CTN
1111-01	50	51	34	100	192
1111-02	100	64	22	110	192
1111-03	250	85	35	140	72
1111-04	500	105	34	171	48
1111-05	1000	131	42	200	24
1111-06	2000	166	42	250	12
1111-07	3000	185	50	250	8
1111-08	5000	223	50	290	4
1111-09	10000	280	65	400	1

*This item can also be made as different standard ground.

1112 Flask, Flat Bottom Wide Neck with Beaded Rim DIN12347

Cat no	Capacity (ml)	Max Dia mm	Neck Dia mm	Height mm	/CTN
1112-01	50	51	35	100	192
1112-02	100	64	34	110	192
1112-03	250	85	50	140	72
1112-04	500	103	50	170	48
1112-05	1000	131	50	200	24
1112-06	2000	166	76	250	12

Conical Flasks



1121 Erlenmeyer flasks Narrow Neck with Graduation DIN 12380, ISO 1773

Cat no	Capacity (ml)	Max Dia mm	Neck Dia mm	Height mm	/CTN
1121-01	25	42	22	75	576
1121-02	50	51	22	90	192
1121-03	100	64	22	105	192
1121-04	250	85	34	145	72
1121-05	500	105	34	180	48
1121-06	1000	131	42	220	24
1121-07	2000	166	50	280	12
1121-08	3000	187	51	310	8
1121-09	5000	220	51	365	4

1122 Erlenmeyer flasks Narrow Neck with Lid and Graduation DIN 12380, ISO 1773

Cat no	Capacity (ml)	Max Dia mm	Neck Dia mm	Height mm	/CTN
1122-01	25	42	22	75	576
1122-02	50	51	22	90	192
1122-03	100	64	22	105	192
1122-04	250	85	34	145	72
1122-05	500	105	34	180	48
1122-06	1000	131	42	220	24
1122-07	2000	166	50	280	12
1122-08	3000	187	51	310	8
1122-09	5000	220	51	365	4

Funnel series

1504 Funnel, short stem

Cat No.	Diameter mm	O.D. of stem mm	Length mm	/CTN
1504-01	40	7	50	288
1504-02	50	7	50	288
1504-03	60	8	60	144
1504-04	75	9	75	96
1504-05	90	11	90	72
1504-06	100	13	100	72
1504-07	120	15	120	48
1504-08	150	17	150	24
1504-09	210	20	210	8

- Long stem of funnel is also available.

1543 Separating funnel, with glass stopcock & PE/Glass stopper, conical shape

Cat No.	Capacity(ml)	/CTN
1543-01	60	60
1543-02	125	48
1543-03	250	32
1543-04	500	24
1543-05	1000	12
1543-06	2000	6

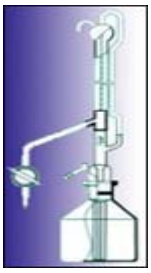
*Separating funnel of other shape including globe, cylindrical shape with / without graduation is also available, please list details when ordered.

1543TF Separating funnel, PTFE stopcock and PE/Glass stopper, conical/squib shape

Cat No.	Capacity(ml)	/CTN
1543TF-01	60	60
1543TF-02	125	48
1543TF-03	250	32
1543TF-04	500	24
1543TF-05	1000	12
1543TF-06	2000	6

***PTFE** Separating funnel of other shape including globe, cylindrical shape with / without graduation is also available, please list details when ordered.

Burette series



1642A Burette with straight bore, glass stopcock class A DIN 12700

Cat No	Cap ml	Sub Division ml	Tolerance ±ml	/CTN
1642A-01	10	0.05	0.025	60
1642A-02	25	0.10	0.050	60
1642A-03	50	0.10	0.050	60
1642A-04	100	0.20	0.100	60

1642B Burette with Straight bore, glass stopcock class B DIN 12700

Cat No	Cap ml	Sub Division ml	Tolerance ±ml	/CTN
1642B-01	10	0.05	0.050	60
1642B-02	25	0.10	0.100	60
1642B-03	50	0.10	0.100	60
1642B-04	100	0.20	0.200	60

1642TF/1 Burette with straight bore PTFE stopcock class A DIN 12700

Cat No	Cap ml	Sub Division ml	Tolerance ±ml	/CTN
1642TF/A-01	10	0.05	0.025	60
1642TF/A-02	25	0.10	0.050	60
1642TF/A-03	50	0.10	0.050	60
1642TF/A-04	100	0.20	0.100	60

1642TF/2 Burette with straight bore PTFE stopcock class B DIN 12700

Cat No	Cap ml	Sub Division ml	Tolerance ±ml	/CTN
1642TF/B-01	10	0.05	0.050	60
1642TF/B-02	25	0.10	0.100	60
1642TF/B-03	50	0.10	0.100	60
1642TF/B-04	100	0.20	0.200	60

1653 Burette automatic zero mounted on reservoir with rubber bellow, Squuibb

Cat no	Cap ml	Sub Division ml	Tolerance ±ml	/CTN
1653-01	10	0.05	0.05	4
1653-02	25	0.10	0.10	4
1653-03	50	0.10	0.10	4
1653-04	100	0.20	0.20	4

- other automatic burette is also available including **amber glass**, **PTFE stopcock**, **milk back** or with **drying tube**, specific enquiry is welcome.

Bottle series

1401 Reagent bottle, clear glass narrow mouth with ground-in glass or plastic stopper

Cat No.	Capacity(ml)	Dia. of body mm	Dia. of mouth mm	Height mm	/CTN
1401-01	30	40	18	76	144
1401-02	60	46	22	85	144
1401-03	125	57	24	110	144
1401-04	250	70	27	135	72
1401-05	500	85	33	172	48
1401-06	1000	106	38	202	24
1401-07	2500	145	48	270	6
1401-08	5000	185	58	338	4
1401-09	10000	225	68	430	2

1402 Reagent bottle, amber glass narrow mouth with ground-in glass or plastic topper

Cat No.	Capacity(ml)	Dia. of body mm	Dia. of mouth mm	Height mm	/CTN
1402-01	30	40	18	76	144
1402-02	60	46	22	85	144
1402-03	125	57	24	110	144
1402-04	250	70	27	135	72
1402-05	500	85	33	172	48

1402-06	1000	106	38	202	24
1402-07	2500	145	48	270	6
1402-08	5000	185	58	338	4
1402-09	10000	225	68	430	2

1403 Reagent bottle, clear glass wide mouth with ground-in glass or plastic stopper

Cat No.	Capacity(ml)	Dia. of body mm	Dia. of mouth mm	Height mm	/CTN
1403-01	30	40	25	72	144
1403-02	60	46	30	80	144
1403-03	125	57	38	108	144
1403-04	250	70	50	130	72
1403-05	500	85	58	165	48
1403-06	1000	106	65	188	24
1403-07	2500	145	90	260	6
1403-08	5000	185	110	330	4

1404 Reagent bottle, amber glass wide mouth with ground-in glass or plastic stopper

Cat No.	Capacity(ml)	Dia. of body mm	Dia. of mouth mm	Height mm	/CTN
1404-01	30	40	25	72	144
1404-02	60	46	30	80	144
1404-03	125	57	38	108	144
1404-04	250	70	50	130	72
1404-05	500	85	58	165	48
1404-06	1000	106	65	188	24
1404-07	2500	145	90	260	6
1404-08	5000	185	110	330	4

1422 Aspirator bottle, clear glass with ground-in glass stopper and stopcock

Cat No.	Capacity(ml)	Dia. of lower mouth mm	Dia. of neck mm	Height mm	/CTN
1422-01	2500	30	48	270	6
1422-02	5000	32	58	345	4
1422-03	10000	35	68	420	2
1422-04	20000	38	82	500	1

*Aspirator bottle without glass stopcock is also available

1432 Filtering flask, clear glass with upper tubulature

Cat No.	Capacity(ml)	Dia. of side tube mm	Height mm	/CTN
1432-01	125	9	120	60
1432-02	250	9	160	36
1432-03	500	9	210	24
1432-04	1000	9	245	16
1432-05	2500	11	190	6
1432-06	5000	11	370	2
1432-07	10000	13	450	1

*Filtering flask with tubulature at upper and bottom is also available.

1451 Dropping bottle, clear glass with ground-in pipette and latex rubber nipple

Cat No.	Capacity(ml)	Dia. of body mm	Height mm	/CTN
1451-01	30	40	76	288
1451-02	60	46	85	288
1451-03	125	57	110	144

1452 Dropping bottle, amber glass with ground-in pipette and latex rubber nipple

Cat No.	Capacity(ml)	Dia. of body mm	Height mm	/CTN
1452-01	30	40	76	288
1452-02	60	46	85	288
1452-03	125	57	110	144

Adapter & Joints

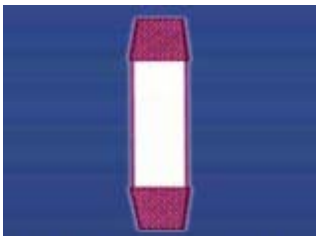
5034 Distilling head (Claisen head) sloping with standard ground mouth

Cat. No.	Upper mouth	Side mouth	Oblique stopper	Lower stopper
5034-01	10/19	10/19	10/19	10/19
5034-02	14/23	14/23	14/23	14/23
5034-03	19/26	19/26	19/26	19/26
5034-04	24/29	24/29	24/29	24/29
5034-05	29/32	29/32	29/32	29/32

5053 Vacuum receiving tube 105¡ã standard group mouth

Cat. No.	Upper mouth	Ground stopper	/CTN
5053-01	10/19	10/19	40
5053-02	14/23	14/23	40
5053-03	19/26	19/26	40
5053-04	24/29	24/29	40
5053-05	29/32	29/32	40

5071 Adapter cone plain double, standard ground mouth



Cat No	Cone Size	Min shank length mm	Max. out side dia of shank mm	/CTN
5071-01	10/19	70	8	200
5071-02	14/23	70	11	200
5071-03	19/26	80	16	200
5071-04	24/29	80	22	200
5071-05	29/32	90	26	200
5071-06	34/35	100	30	200

5072 Adapter sockets double mouths, standard ground mouth

Cat No	Socket Size	Min shank length mm	Max. out side dia of shank mm	/CTN
5072-01	10/19	85	14	200
5072-02	14/23	95	18	200
5072-03	19/26	110	22	200
5072-04	24/29	110	28	200
5072-05	29/32	130	32	200
5072-06	34/35	130	38	200

5077 Joint (Reduction adapter) big mouth & small stopper, standard ground mouth

Cat No	Ground mouth	Ground stopper	/CTN
5077-01	14/23	10/19	100
5077-02	19/26	10/13	100
5077-03	19/26	14/23	100
5077-04	24/29	10/19	100
5077-05	24/29	14/23	100
5077-06	24/29	19/26	100

5077-07	29/32	19/26	100
5077-08	29/32	24/29	100

All other standard ground mouth of adapters and joints are also available according to special requirements, please enquiry us in details.

Condensers

1213 Condenser with fused inner tube, Liebig

Art. No.	Length of jacket mm	O.D. of upper tube mm	Cooling area dm3	Length mm	/CTN
1213-01	200	18	0.70	350	48
1213-02	300	20	1.10	480	48
1213-03	400	22	1.60	590	48

5021 Condenser with fused inner tube, standard ground mouth, Liebig

Art. No.	Length of jacket mm	Ground mouth	Cooling area dm3	Length mm	/CTN
5021-01	200	24/29	0.70	350	48
5021-02	300	24/29	1.10	480	48
5021-03	400	24/29	1.60	590	48

1214 Condenser with bulbed inner tube, Allihn

Art. No.	Length of jacket mm	O.D. of upper tube mm	Cooling area dm3	Length mm	/CTN
1214-01	200	18	1.00	350	48
1214-02	300	20	1.80	480	48
1214-03	400	22	2.70	590	48

5022 Condenser with bulbed inner tube, standard ground mouth, Allihn

Art. No.	Length of jacket mm	Ground mouth	Cooling area dm3	Length mm	/CTN
5022-01	200	24/29	1.00	350	48
5022-02	300	24/29	1.80	480	48
5022-03	400	24/29	2.70	590	48

1215 Condenser with coiled inner tube, Graham

Art. No.	Length of jacket mm	O.D. of upper tube mm	Cooling area dm3	Length mm	/CTN
1215-01	200	18	2.30	350	48
1215-02	300	20	3.30	480	48
1215-03	400	22	4.70	590	48

5023 Condenser with coiled inner tube, standard ground mouth, Graham

Art. No.	Length of jacket mm	Ground mouth	Cooling area dm3	Length mm	/CTN
5023-01	200	24/29	2.30	350	48
5023-02	300	24/29	3.30	480	48
5023-03	400	24/29	4.70	590	48

1216 Condenser with coiled inner tube, reflux, Dimroth

Art. No.	Length of jacket mm	O.D. of upper tube mm	Cooling area dm3	Length mm	/CTN
1216-01	300	20	5.40	350	48
1216-02	400	22	7.30	480	48
1216-03	500	24	9.20	590	48

5025 Condenser with coiled inner tube, standard ground mouth, reflux, Dimroth

Art. No.	Length of jacket mm	Ground mouth	Cooling area dm3	Length mm	/CTN
5025-01	300	24/29	5.40	350	48
5025-02	400	24/29	7.30	480	48
5025-03	500	24/29	9.20	590	48

Miscellaneous

1171 Crystallizing dish flat bottom with spout

Art. No.	O.D. of top mm	Height mm	/CTN
1171-01	60	30	240
1171-02	90	45	120
1171-03	120	60	60

- Crystallizing dish with round bottom or column form or watch glass is also available.

1177 Petri culture dish

rt. No.	Bottom dia. mm	Cover dia. mm	Height mm	/CTN
1177-01	60	65	15	288
1177-02	75	82	15	288
1177-03	90	98	518	192
1177-04	100	107	20	192
1177-05	120	130	25	96

1232 Test tube with rim

Art. No.	O.D. of mouth mm	Length mm	/CTN
1232-01	10	75	2000
1232-02	12	100	2000
1232-03	16	150	1000
1232-04	18	150	1000
1232-05	20	150	300
1232-06	25	150	200

- Test tube or other shape or without rim or with side tube or with graduation or glass stopper is also available. Please asking for more details.

1383 Mortar with glass pestle

Art. No.	I.D. of mouth mm	Height mm	/CTN
1383-01	60	40	48
1383-02	75	40	48
1383-03	90	50	48
1383-04	120	60	12
1383-05	150	85	12

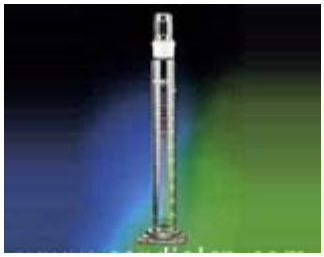
- Other thick glass instruments including alcohol lamp, bell jar, gas generator, specimen jar, retort, specimen bottle, washing bottle¡ are available. Please asking for more details.

1792 Extraction apparatus with coiled condenser and standard joints, Soxhlet

Art. No.	Capacity ml	Mouth of flask	Mouth of tube	Mouth of condenser	Condener length mm	/CTN
1792-01	250	24/29	40/38	40/38	240	12
1792-02	500	24/29	50/42	50/42	270	12

*Other analysis apparatus like viscosity pipette, gas analysis apparatus, gravity bottle¡ are available. Please asking for more details.

Measurements



1601 Measuring Cylinder with spout &Round Base DIN 12680

Cat No	Capacity	Sub. Division(ml)	Tolerance ± ml	/CTN
1601-01	5	0.1	0.1	360
1601-02	10	0.2	0.2	288
1601-03	25	0.5	0.5	288
1601-04	50	1.0	1.0	144
1601-05	100	1.0	1.0	96
1601-06	250	2.0	2.0	48
1601-07	500	5.0	5.0	24
1601-08	1000	10.0	10.0	12
1601-09	2000	20.0	20.0	8

*Glass hexagon base of cylinder can also make when required.

1603 Measuring Cylinder with Interchangeable glass stopper DIN 12685

Cat No	Capacity	Sub. Division(ml)	Tolerance ± ml	/CTN
1603-01	10	0.2	0.2	288
1603-02	25	0.5	0.5	288
1603-03	50	1.0	1.0	144
1603-04	100	1.0	1.0	96
1603-05	250	2.0	2.0	48
1603-06	500	5.0	5.0	24
1603-07	1000	10.0	10.0	12
1603-08	2000	20.0	20.0	8

1621A Volumetric flasks with One graduation mark with glass/PE stopper ISO1042, DIN12664

Cat No	Cap. Ml	Tolerance ±ml	Glass stopper	/CTN
1621A-01	5	0.025	7/11	288
1621A-02	10	0.025	7/11	288
1621A-03	25	0.040	10/13	288
1621A-04	50	0.060	10/13	288
1621A-05	100	0.100	12/14	144
1621A-06	200	0.150	14/15	72
1621A-07	250	0.150	14/15	72
1621A-08	500	0.250	16/16	48
1621A-09	1000	0.400	19/17	24
1621A-10	2000	0.600	24/20	12

1621B Volumetric flasks with One graduation mark with glass/PE stopper ISO1042, DIN12664

Cat No	Cap. Ml	Tolerance ±ml	Glass stopper	/CTN
1621B-01	5	0.05	7/11	288
1621B-02	10	0.05	7/11	288
1621B-03	25	0.80	10/13	288
1621B-04	50	0.12	10/13	288
1621B-05	100	0.20	12/14	144
1621B-06	200	0.30	14/15	72
1621B-07	250	0.30	14/15	72
1621B-08	500	0.50	16/16	48
1621B-09	1000	0.80	19/17	24
1621B-10	2000	1.20	24/20	12

1630A Measuring Pipette class A DIN 12697 ISO 835 Graduated with zero at top

Cat No	Cap ml	Sub Division ml	Tolerance ±ml	Colour Code	Waiting Time	/CTN
1630A-01	0.1	0.01	0.006	Green	2-8	600
1630A-02	0.2	0.01	0.006	Blue	2-8	600
1630A-03	0.5	0.02	0.006	Yellow	2-8	600
1630A-04	1.0	0.01	0.006	Yellow	2-8	600
1630A-05	1.0	0.10	0.006	Yellow	2-8	600
1630A-06	2.0	0.02	0.010	Black	2-8	480
1630A-07	2.0	0.10	0.010	Black	2-8	480
1630A-08	5.0	0.05	0.030	Red	5-11	480
1630A-09	5.0	0.10	0.050	Red	5-11	480
1630A-10	10.0	0.10	0.050	Orange	5-11	480
1630A-11	25.0	0.20	0.100	White	9-15	240

1630B Measuring Pipette DIN 12695 with line divisions graduated with zero at the top

Cat No	Cap. ml	Sub Division ml	Tolerance ±ml	Colour Code	/CTN
1630B-01	0.1	0.01	0.01	Green	600
1630B-02	0.2	0.01	0.01	Blue	600
1630B-03	0.5	0.02	0.01	Yellow	600
1630B-04	1.0	0.01	0.01	Yellow	600
1630B-05	1.0	0.10	0.01	Yellow	600
1630B-06	2.0	0.02	0.02	Black	480
1630B-07	2.0	0.10	0.02	Black	480
1630B-08	5.0	0.05	0.05	Red	480
1630B-09	5.0	0.10	0.10	Red	480
1630B-10	10.0	0.10	0.10	Orange	480
1630B-11	25.0	0.20	0.20	White	240

1633A Pipettes Transfer Volumetric one mark, class A DIN 12691, ISO648

Cat No	Capacity ml	Tolerance ± ml	Colour Code	Delivery Time	/CTN
1633A-01	1	0.006	Blue	5-9	240
1633A-02	2	0.010	Orange	5-9	240
1633A-03	5	0.015	White	7-11	180
1633A-04	10	0.020	Red	8-12	180
1633A-05	20	0.030	Yellow	9-13	120
1633A-06	25	0.030	Blue	10-15	120
1633A-07	50	0.050	Red	13-18	60
1633A-08	100	0.080	Yellow	25-30	60

1633B Pipettes Transfer Volumetric one mark, class B DIN 12691, ISO648

Cat No	Capacity ml	Tolerance ¡À ml	Color Code	Delivery Time	/CTN
1633B-01	1	0.015	Blue	5-20	240
1633B-02	2	0.020	Orange	5-25	240
1633B-03	5	0.030	White	7-30	180
1633B-04	10	0.040	Red	8-40	180
1633B-05	20	0.060	Yellow	9-50	120
1633B-06	25	0.060	Blue	10-50	120
1633B-07	50	0.100	Red	13-60	60
1633B-08	100	1.160	Yellow	25-60	60