

Competence in Plastic Labware

M A T E R I A L S E P A R A T I O N



VITLAB 
Competence in Labware



Measuring scoops, PP



White. Also suitable as weighing scoops. With precision formed filling edge and comfortable, stable handle. Easily readable volume quantities on the upper side of the handle.

Volume ml	Length mm	PU	Cat. No.
2	60	12	39194
5	82	12	39294
10	100	12	39394
25	135	12	39494
50	160	12	39594
100	200	12	39694
250	260	6	39794
500	315	6	39894
1000	385	6	39994



Measuring scoops, coloured, PP



Measuring scoops in seven different colours. Also suitable as weighing scoops. With precision formed filling edge and comfortable, stable handle. Easily readable volume quantities on the upper side of the handle.

Volume ml	Colour	PU	Cat. No.
50	red	12	395940
50	blue	12	395950
100	red	12	396940
100	gray	12	396943
100	black	12	396944
100	yellow	12	396946
100	blue	12	396950
100	green	12	396952
100	bright blue	12	396955
250	red	12	397940
250	blue	12	397950
100	Set: white, red, grey, black, yellow, blue, green, bright blue (1 item each)	1	3961111

Measuring and transferring

Scoops, PE-HD



Conical in shape with tapered filling edge.

Volume ml	Length mm	Colour	PU	Cat. No.
15	115	natural	12	40093
25	135	natural	12	40193
65	185	natural	12	40293
110	215	natural	12	40393
150	250	natural	12	40493
350	310	natural	6	40593
750	350	natural	6	40693
750	350	blue	6	406950
750	350	black	6	406944
1250	400	natural	6	40793
1250	350	blue	6	407950
1250	350	black	6	407944





Spatula, PA

Glass-fibre reinforced. Double spatula or spatula spoon, with stable, easy to hold handle in the middle.

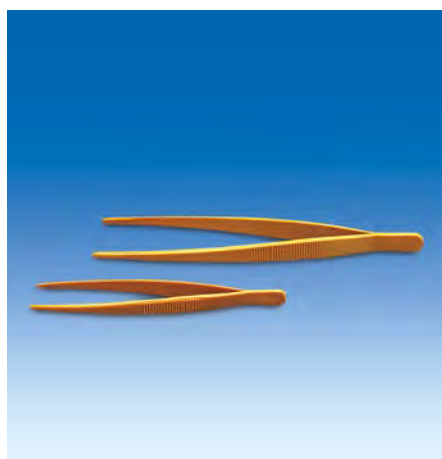
Description	Length mm	PU	Cat. No.
Double spatula	150	10	80594
Double spatula	180	10	80595
Spatula spoon	180	10	80596
Spatula spoon	210	10	80593



Stirring rod, PP

Spatula-shaped extension for effective manual stirring of small volumes.

Length mm	PU	Cat. No.
245	10	80828



Forceps, POM

Yellow, blunt, elastic, very good resilience. With grooves on the outside for optimum handling and grip.

Length mm	PU	Cat. No.
115	5	68099
145	5	68199
180	5	68299
250	5	68399



Forceps, PMP



White, pointed, elastic, very good resilience.

Length mm	PU	Cat. No.
115	10	67895
145	10	67995

Measuring and transferring

Funnels, PP



Transparent. Rapid flow due to a steep 60° angle.

Practical handle with loop for hanging.

Volume approx. ml	Ø mm	Length mm	Inner stem Ø mm	Stem length mm	PU	Cat. No.
5	30	45	1.5	25	24	40894
6	30	47	4	25	24	41094
14	40	65	4	35	24	41194
32	50	85	7	43	24	41294
88	75	110	6	55	12	41394
222	100	155	8	77	12	41494
342	120	180	11	90	12	41594
817	150	220	15	95	12	41694



Powder funnels, PP



Transparent. With short, wide stem. For transfer of powdered and granular substances.

Rapid flow due to a steep 60° angle.

Ø mm	Length mm	Inner stem Ø mm	Stem length mm	PU	Cat. No.
65	68	15	25	10	70794
80	75	21	25	10	70894
100	94	22	20	10	70994
120	110	26	20	10	71094
150	138	28	22	5	71194





Large funnels, PP



Transparent. Rapid flow due to a steep 60° angle. Practical handle for hanging. (Size 12500 ml without handle.) Suitable for filling large amounts of liquids. Optional accessories available: Stainless steel and aluminium sieve insert; however, not permissible for use with foodstuffs.

Volume approx. ml	Ø mm	Length mm	Inner stem Ø mm	PU	Cat. No.
1300	200	200	22	6	41794
3200	250	260	30	6	41894
12500	350	440	35	1	41994
Sieve insert Ø: 50 mm, for funnels no. 41794, 41894				1	42099



Large funnels, PE-HD

Transparent. Rapid flow due to a steep 60° angle. Practical handle for hanging. Suitable for filling large amounts of liquids.

Volume approx. ml	Ø mm	Length mm	Inner stem Ø mm	PU	Cat. No.
12500	400	365	42	1	42294
17500	430	420	37	1	42393



Standard joint funnels, PP



Transparent. For multi-neck flasks, laterally flattened, suitable for standard joint necks of various sizes. Suitable for the filling of liquid or powdered reagents into a reaction flask, especially for loading of multi-neck flasks during a reaction.

NS	Length mm	Wide opening mm	Stem length mm	PU	Cat. No.
14/23	75	40	17	10	70494
19/26	95	50	23	10	70594
29/32	135	75	30	5	70694



Measuring cup, PP

Transparent. With a raised scale. Volume: 30 ml; divisions: 1 ml.

Fitting lid made of PE - please order separately.

Diameter: 37 mm; height: 42 mm.

Description	PU	Cat. No.
Measuring cup	100	69394
Lid, PE	100	69493



Watch glasses, PTFE



White. Without base.

High thermal stability and chemical resistance.

Autoclavable at 121 °C (2 bar) according to DIN EN 285.

Ideal for use to cover beakers.

Ø mm	PU	Cat. No.
50	1	113197
75	1	113297
100	1	113397
125	1	113497



Watch glasses, PP



Transparent. With base.

Autoclavable at 121 °C (2 bar) according to DIN EN 285.

Ideal for use to cover beakers.

Ø mm	PU	Cat. No.
60	10	80452
80	10	80454
100	10	80455
125	10	80456

Sample preparation

Erlenmeyer flasks, PMP with PP screw cap



Transparent. Wide-mouth, can also be used with NS stoppers (not included).
Ideal for use as a receiving vessel in titrations.
Well suited for storage and cultivation of cell cultures. Far safer than glass flasks for use in incubator shakers due to the break resistance of plastic. Suitable for microwaves.
To preserve markings, cleaning at no higher than 60 °C is recommended.



Volume ml	Divisions ml	Thread GL	Neck NS	PU	Cat. No.
50	10	40	34/35	6	66695
100	20	40	34/35	6	66795
250	50	52	45/40	6	66895
500	100	52	45/40	6	66995
1000	200	52	45/40	4	67095

Erlenmeyer flasks, PP with PP screw cap



Transparent. Wide-mouth, can also be used with NS stoppers (not included).
Well suited for storage and cultivation of cell cultures. Far safer than glass flasks for use in incubator shakers due to the break resistance of plastic. Suitable for microwaves.
To preserve markings, cleaning at no higher than 60 °C is recommended.



Volume ml	Divisions ml	Thread GL	Neck NS	PU	Cat. No.
50	10	40	34/35	6	666941
100	20	40	34/35	6	667941
250	50	52	45/40	6	668941
500	100	52	45/40	6	669941
1000	200	52	45/40	4	670941

NS stoppers
can be found on page 112.



Magnetic stirring bars, polygonal, PTFE



With permanent magnet AlNiCo V core. The angled shape gives rise to significant turbulence, and thus achieves effective mixing, even at low spin rates.

Ø mm	Length mm	PU	Cat. No.
2	5	5	300497
2	7	5	300597
3	8	5	300897
3	10	5	301097
3	13	5	301197
4.5	12	10	301597
6	10	10	301697
6	15	10	301797
6	25	10	301997
6	30	10	302097
7	20	10	301897
7	50	10	302297
7	60	10	302397
8	40	10	302197
10	70	5	302497
10	80	5	302597
27	57	1	303097
27	108	1	303197
27	159	1	303297



Magnetic stirring bars, oval, PTFE



With permanent magnet AlNiCo V core. Highly suitable for vessels with a round bottom, such as round-bottom flasks. The angled side surfaces act to produce high turbulence, and thus achieve effective mixing.

Ø mm	Length mm	PU	Cat. No.
5	10	3	311097
6	15	3	311197
10	20	3	311297
12	25	3	311397
16	30	3	311497
16	35	3	311597
20	40	1	311697
20	50	1	311797

Sample preparation – material separation

Urbanti funnels, PMP

Crystal clear. The spiral-shaped ribs increase the rate of filtration and prevent the trapping of air between the filter paper and the funnel. With long stem.

Volume approx. ml	Ø mm	Length mm	Stem Ø mm	Stem length mm	PU	Cat. No.
30	51	195	3	150	6	325095
80	70	210	3	150	6	325195
250	100	198	7	108	4	325295
630	140	247	10	132	3	325395
1800	196	315	20	155	2	325495



Analytical funnels, PP

Transparent. With long stem and grooves. Rigidified by a thickened edge. Rapid flow due to a steep 60° angle.

Volume approx. ml	Ø mm	Length mm	Stem Ø mm	Stem length mm	PU	Cat. No.
50	50	194	5	150	10	80162
100	72	208	5	143	10	80164
225	91	227	5	145	10	80165



Büchner funnels, PP

Three parts. Upper and lower parts are detachable to facilitate cleaning.

Volume approx. ml	Filter Ø mm	Length mm	Hole Ø mm	PU	Cat. No.
40	42.5	95	1.2	1	80437
70	55	113	1.1	1	80438
180	70	145	2.0	1	80439
280	80	165	2.0	1	80440
390	90	180	2.5	1	80441
810	110	210	2.5	1	80442
2100	160	280	2.75	1	80443
6000	240	350	3.0	1	80445





Water-jet pump, PP

For generation of a vacuum and to siphon off liquids and vapours (if necessary, with a suction main or condensation trap connected upstream).

Pump fluid: Water

Length of the unit: approx. 210 mm (R 3/4" connector fitted)

Weight: approx. 33 g (R 3/4" connector fitted)

- High chemical resistance, since the pumped media only come into contact with polypropylene, FKM and PTFE.
- Operating temperature up to a maximum of 80 °C.
- Integrated non-return valve increases operating safety.
- Simple operation, and easy to clean.
- Detachable vacuum connection.
- Variety of supplied adapters simplify connections to most water sources, and additional reducing adapters are available.

Very low water consumption:

The flow configuration has been optimised, resulting in a 33% reduction of water consumption (190 liters/h at 3.5 bar water supply pressure).

Constant discharge pressure:

The discharge pressure of 16 mbar (water temperature: 12 °C) is reachable across a wide range of water supply pressures of from 3 to 6 bar.

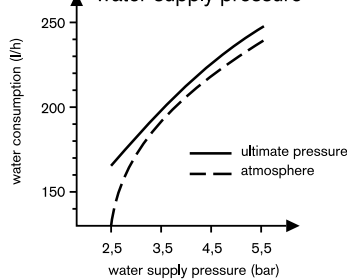
High suction capacity:

The suction capacity is approx. 400 L/hour of air (vs. atmospheric pressure, 12 °C water temperature, 3.5 bar water supply pressure).

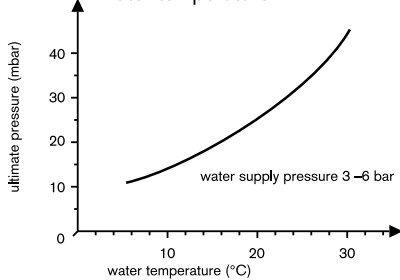
Included in delivery:

Water jet pump, including: water supply connection (lock nut R 3/4", reducing adapter R 1/2" and hose connection (olive) with outer Ø 10-12 mm), vacuum connection (olive with outer Ø 6-9 mm, detachable with GL 14 screw cap).

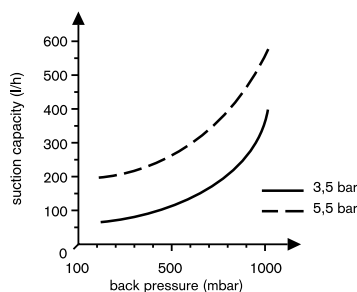
Water consumption as function of water supply pressure



Ultimate pressure as function of water temperature



Pumping capacity as function of back pressure



Description	PU	Cat. No.
Water-jet pump	1	77094
Accessories:		
Reducing adapter R3/4 inch to R3/8 inch	1	159665
Reducing adapter R3/4 inch to M 22x1, Perlator thread	1	159670

Sample preparation – material separation

Filtering racks

Funnel holder with base and adjustable height, made from PP, support stand made from aluminium, diameter: 12.7 mm; and, length: 595 mm. To hold from two to four funnels with an upper outer diameter of 50-120 mm.

Positions	Base plate mm	PU	Cat. No.
2	250 x 140	1	78394
4	450 x 140	1	78294



Support for separatory funnels, PP

For separatory funnels of from 125-500 ml. With practical clamps for simple attachment to stand rods with diameters of 8-14 mm.

Positions	PU	Cat. No.
1	5	80970





Imhoff or sedimentation cone, SAN



According to DIN 12 672. Crystal clear, with raised scale for precise reading of volumes. For simple, basic cleaning and rinsing, the screw coupling on the tip can be removed. Lower breakage risk than for PC or glass containers. For determination of suspended matter in liquids (e.g., for industrial and municipal wastewater).

Graduation:	Divisions:	Error limits:
0 - 2 ml	0.1 ml	+/- 0.1 ml
2 - 10 ml	0.5 ml	+/- 0.5 ml
10 - 40 ml	1 ml	+/- 1 ml
40 - 100 ml	2 ml	+/- 2 ml
100 - 1000 ml	50 ml	+/- 10 ml

Volume ml	PU	Cat. No.
1000	3	75991



Sedimentation rack, PMMA

Holds two Imhoff sedimentation cones. Base plate with depression for exact vertical positioning of the sedimentation cone.

L x W x H mm	PU	Cat. No.
150 x 300 x 290	1	81056



Evaporating dishes, PFA



With snap-on lid, PE. For contamination free sample preparation and efficient transportation. Due to a conical depression in the middle of the base very small amounts of a solvent are adequate to absorb the evaporated samples.

Volume ml	Height mm	Ø mm	PU	Cat. No.
25	25	50	1	103297
50	54	50	1	103397

Sample preparation – material separation

Round-bottom flasks, PFA



Transparent, neck with NS 29/32. Suitable as safety flask for use with rotary evaporators (operation at room temperature) to collect the distilled off liquid.

High thermal stability and chemical resistance.

The advantages of PFA:

- Especially suitable for use in trace analysis
- Long-term maintenance of low-concentration reference materials in PFA containers
- No memory effects
- Practically no carryover, no cross-contamination due to the extremely hydrophobic, anti-adhesive and smooth surfaces
- High thermal stability, from -200 °C to +260 °C, autoclavable.
- Chemical inertness against nearly all chemicals
- Good transparency and dimensional stability
- Easy to clean
- Use of high purity raw materials

Further information on PFA can be found starting on page 130.

Volume ml	Height mm	Ø mm	PU	Cat. No.
100	117	65	1	107797
250	147	88	1	107897
500	177	107	1	107997



Round-bottom flask stand, PP



White, for flasks with a round bottom. Excellent chemical resistance. Autoclavable at 121 °C (2 bar) according to DIN EN 285.

Ø mm	PU	Cat. No.
160	5	80271





Gas wash bottles, PFA



Cap with S 40 buttress threads, and frit made of PTFE. A pore size of approx. 50 µm for optimal optimal pearling of the gas into the liquid. A wide field of application is possible due to the use of high-quality fluoroplastic. Suitable only for non-pressurised operation.

The advantages of PFA:

- Especially suitable for use in trace analysis
- Long-term maintenance of low-concentration reference materials in PFA containers
- No memory effects
- Practically no carryover, no cross-contamination due to the extremely hydrophobic, anti-adhesive and smooth surfaces
- High thermal stability, from -200 °C to +260 °C, autoclavable
- Chemical inertness against nearly all chemicals
- Good transparency and dimensional stability
- Easy to clean
- Use of high purity raw materials

Further information on PFA can be found starting on page 130.

Volume ml	Height mm	Ø mm	Hose connection inner / outer Ø mm	PU	Cat. No.
250	160	61	4 / 6	1	159497
500	190	76	4 / 6	1	159597
1000	240	96	5 / 8	1	159697

Sample preparation – material separation

Reagent tube racks, PP

White. The special shape makes it possible to check the amounts present in the reagent tubes.

With two side-mounted handle straps.

For Ø up to mm	Positions	L x W x H mm	PU	Cat. No.
16	10	200 x 55 x 65	4	80130
18	9	200 x 55 x 65	4	80131
Base plate for 2 reagent tube racks (Cat. No. 80130, 80131)		202x156x13.5	4	80134



Test tube racks, coloured, PP



Stackable, simple, and small footprint. Alphanumerically identified positions. Suitable for tempering in a water bath as well as storage of samples in the refrigerator and incubation in a climate chamber. The racks are supplied as folded out flat, and can be firmly and inseparably joined together in just a few steps. Working temperatures of -20 to +90 °C. Autoclavable at 121 °C (2 bar) according to DIN EN 285. Base area: 265 x 126 mm.

For Ø up to mm	Positions	Height mm	Colour	PU	Cat. No.
13	6 x 14	75	White	5	3190940
16	5 x 11	75	White	5	3191940
18	5 x 11	75	White	5	3192940
20	4 x 10	75	White	5	3193940
25	4 x 8	88	White	5	3194940
30	3 x 7	88	White	5	3195940
13	6 x 14	75	Blue	5	3190948
16	5 x 11	75	Blue	5	3191948
18	5 x 11	75	Blue	5	3192948
20	4 x 10	75	Blue	5	3193948
25	4 x 8	88	Blue	5	3194948
30	3 x 7	88	Blue	5	3195948
13	6 x 14	75	Red	5	3190943
16	5 x 11	75	Red	5	3191943
18	5 x 11	75	Red	5	3192943
20	4 x 10	75	Red	5	3193943
25	4 x 8	88	Red	5	3194943
30	3 x 7	88	Red	5	3195943

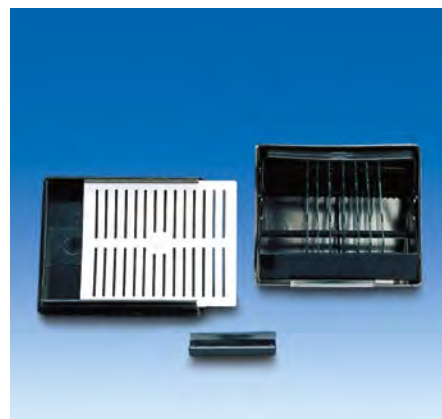


Sample preparation – material separation

Staining chamber for slides, POM

Consists of staining jar and a staining rack for 25 slides 76 x 26 mm.

L x W x H mm	PU	Cat. No.
100 x 87 x 51	5	99099



Staining rack for slides, POM

For serial staining of 25 slides 76 x 26 mm.
Usable in the staining jar, cat. no. 99199. (see below).

L x W x H mm	PU	Cat. No.
91 x 79 x 38	10	99299



Staining jar for slides, POM

For combination with staining rack, cat. no. 99299 (see above).
Can also be used as a storage box for 25 slides.

L x W x H mm	PU	Cat. No.
100 x 87 x 51	5	99199



Slide storage boxes, PS

With lid. For 25, 50 or 100 slides, 76 x 26 mm. Handy, stackable, break resistant,
easy to clean. The positions are numbered individually. With an index card.

Positions	L x W x H mm	PU	Cat. No.
25	122 x 96 x 34	4	80276
50	229 x 96 x 34	1	80277
100	229 x 181 x 34	1	80278





Dishes, PVC

White. All-purpose. Rounded corners and edges. Easy to clean.

Inner bottom dimensions mm	Height mm	PU	Cat. No.
200 x 150	50	1	80280
250 x 200	60	1	80281
320 x 260	70	1	80282
350 x 300	85	1	80283
430 x 330	95	1	80284
520 x 420	95	1	80285
675 x 540	100	1	80286
550 x 430	190	1	80288



Laboratory trays / catchment trays, PP



White. All-purpose. Robust design. Very good chemical resistance
Rounded corners and edges. Smooth surfaces, easy to clean.

Inner bottom dimensions mm	Edge dimensions mm	Height mm	PU	Cat. No.
130 x 180	180 x 230	42	1	165094
180 x 240	250 x 310	65	1	165194
240 x 300	310 x 370	75	1	165294
300 x 400	420 x 520	120	1	165394
400 x 500	534 x 634	140	1	165494
500 x 700	648 x 846	160	1	165594



Bowls, PP



White. Round. With broad, stable edge and circumferential standing ring on the bottom.

Volume l	Height mm	Ø mm	PU	Cat. No.
1	70	160	5	42594
2	80	200	5	42694
3	100	240	5	42794
4	120	280	5	42894
7	130	320	3	42994
9	150	360	3	43094
13	180	400	3	43194

Lab assistants

2-way connectors, PE-HD

For connecting tubing of varying diameters. The connectors can be joined together with the next size up. Not suitable for pressure applications!

For tubing with an inner Ø of mm	Outlet opening Ø mm	PU	Cat. No.
3 - 5	1.6	20	80434
5 - 7	2.7	20	80435
7 - 9	3.6	20	80436
9 - 12	5.5	20	80535
11 - 14	7.3	20	80536
13 - 16	8.8	20	80537



Connectors, T-shape, PP



For the splitting or combining of liquid lines in a tubing system.

For tubing with an inner Ø of mm	Outlet opening Ø mm	PU	Cat. No.
3	1.6	20	80459
4 - 5	3.7	20	80460
6 - 7	4.4	20	80461
8 - 9	6.3	20	80462
10 - 11	8.2	20	80463
12 - 13	10.0	20	80520
14 - 15	12.1	20	80521



Connectors, Y-shape, PP



For the splitting or combining of liquid lines in a tubing system.

For tubing with an inner Ø of mm	Outlet opening Ø mm	PU	Cat. No.
3	2.0	20	80464
4 - 5	2.7	20	80465
6 - 7	4.6	20	80466
8 - 9	5.5	20	80467
10 - 11	7.3	20	80468
12 - 13	9.7	20	80525
14 - 15	11.9	20	80526





Water flow stopcocks, PE

With reinforced handles and strong tubing fittings.
Suitable only for non-pressurised operation.

For tubing with an inner Ø of Inches/mm	PU	Cat. No.
1/2" / 12	10	75093
3/8" / 9	10	75193



Non-return valve, PE-HD

With valve disc made from FKM. Max. operating pressure 2 bar.

For tubing with an inner Ø of mm	PU	Cat. No.
6 - 9	10	78593



Non-return valves, PP

With valve discs made from nitrile rubber (NBR). Max. operating pressure 2 bar.

For tubing with an inner Ø of mm	PU	Cat. No.
8 - 10	10	80418
10 - 15	10	80419

PTFE-tape

For sealing and wrapping of threads and other connections. High chemical resistance.
Working temperatures up to 250 °C.

Length m	Width mm	PU	Cat. No.
12	12	10	131097





Trays, MF



White. Flat shape. Rounded corners. Smooth surfaces, easy to clean.
Practical tray for instruments, tools, and sensitive utensils. Stable and self-supporting.

L x W x H mm	PU	Cat. No.
190 x 150 x 17	5	71598
240 x 180 x 17	5	71698
268 x 208 x 17	5	71798
355 x 240 x 17	5	71898
428 x 288 x 17	5	71998



Trays, MF



White. Tall shape. Rounded corners. Smooth surfaces, easy to clean.
Practical tray for instruments, tools, and sensitive utensils. Stable and self-supporting.
Fitting lid made of PS, please order separately.

L x W x H mm	PU	Cat. No.
190 x 150 x 40	5	72098
290 x 160 x 35	5	72198
290 x 160 x 60	5	72398
340 x 245 x 100	5	72498
350 x 250 x 40	5	72298



Lids for trays, PS

Crystal clear. With handle. Rounded corners. Smooth surfaces, easy to clean.
Protects the contents of the instrument trays from dust and contamination.
The contents remain readily visible.

Size mm	For tray, MF No.	PU	Cat. No.
190 x 150	72098	5	79790
290 x 160	72198, 72398	5	79890
340 x 245	72498	5	79990*
* without handle			