

Competence in Plastic Labware

SAVING AND STORAGE WITH CONFIDENCE

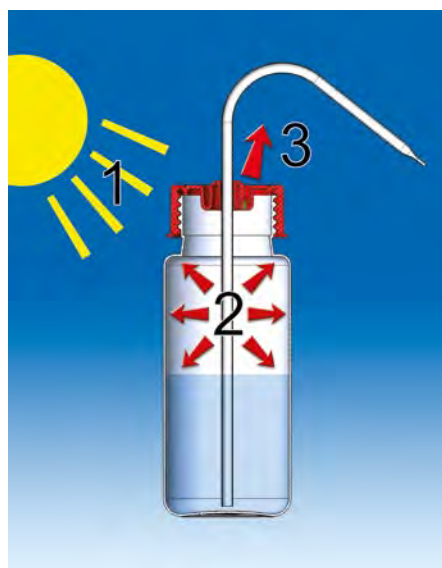


VITLAB 
Competence in Labware

VITsafe™ - the Safety Wash Bottle

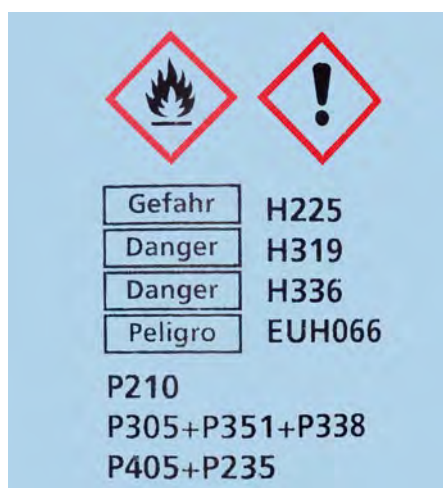
Working with chemical substances, which are sometimes dangerous, requires a high level of responsibility and concentration. With the VITsafe™ safety wash bottles VITLAB offers laboratory equipment that provides safety in the highest degree.

VENT-CAP virtually prevents leakage



Temperature changes **(1)** in a laboratory can often cause conventional wash bottles to leak or drip due to the resulting increase in internal pressure **(2)**. The patent-registered, metal-free VENT-CAP screw closure of the VITsafe™ safety wash bottle virtually prevents this. The expansion of the gas due to the rise in pressure can escape through an integrated capillary **(3)**, thus dissipating the static over pressure. In addition, the lack of a spray insert allows turbulences to be almost completely avoided. The smooth and finely drawn tip of the spray bottle allows a precise spray jet and optimizes the fluid backflow. Dripping is subsequently almost entirely prevented.

Clear identification due to safety imprint



The permanent imprint according to directive (EC) No. 1272/2008 **(GHS)** offers even more safety.

It contains all essential information:

- Substance name in German, English, French and Spanish
- Chemical formula and CAS number
- Hazard pictogram with signal word
- Hazard (H) and precautionary (P) statements
- as well as the U.S.-based NFPA diamond

The VITsafe™ safety wash bottles are available as narrow-mouth or wide-mouth type. The particularly large opening of the wide-mouth bottles allows filling even without a funnel. Select the safety wash bottles to fit your applications from among **17 different substance names** and three volumes (250/500/1000 ml).

Sample preparation

VITsafe™ safety wash bottles, narrow-mouth



Bottles from PE-LD or PP, spray tube from PP.

More safety due to the durable safety imprint in accordance to Directive (EC) No. 1272/2008 (GHS), as well as with all important information:

- Material name in German, English, French and Spanish
- Chemical formula, CAS No., hazard pictogram, signal word
- Risk phrases (H phrases), safety phrases (P phrases), as well as NFPA Code

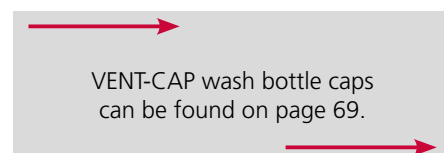
Precise spray jet and optimised medium backflow through the continuous and finely drawn tip of the spray tube. Practically no leakage or dripping with the bright red VENT-CAP screw cap, the design of which prevents almost all static overpressure.



Imprint	Material	Volume ml	Thread GL	Height* mm	Ø mm	PU	Cat. No.
Acetone	PP	250	25	135	58	12	1431829
Acetone	PP	500	25	180	74	12	1432829
Acetone	PP	1000	32	215	92	12	1433829
Acetonitrile	PE-LD	500	25	180	74	6	1332969
Distilled Water	PE-LD	250	25	135	58	12	1331819
Distilled Water	PE-LD	500	25	180	74	12	1332819
Distilled Water	PE-LD	1000	32	221	92	12	1333819
Acetic acid	PE-LD	500	25	180	74	6	1332979
Ethanol	PE-LD	250	25	135	58	12	1331869
Ethanol	PE-LD	500	25	180	74	12	1332869
Ethanol	PE-LD	1000	32	221	92	12	1333869
Ethyl acetate	PE-LD	250	25	135	58	12	1331859
Ethyl acetate	PE-LD	500	25	180	74	12	1332859
Ethyl acetate	PE-LD	1000	32	221	92	12	1333859
Isopropanol	PE-LD	250	25	135	58	12	1331849
Isopropanol	PE-LD	500	25	180	74	12	1332849
Isopropanol	PE-LD	1000	32	221	92	12	1333849
Methanol	PE-LD	250	25	135	58	12	1331839
Methanol	PE-LD	500	25	180	74	12	1332839
Methanol	PE-LD	1000	32	221	92	12	1333839
Methylene chloride	PE-LD	500	25	180	74	6	1332879
Methyl ethyl ketone (MEK)	PP	500	25	180	74	6	1432989
Heptane	PE-LD	500	25	180	74	6	1332899
Hexane	PE-LD	500	25	180	74	6	1332909
N,N-Dimethylformamide	PE-LD	500	25	180	74	6	1332889
Pentane	PE-LD	500	25	180	74	6	1433959
Tetrahydrofuran (THF)	PE-LD	500	25	180	74	6	1332939
Toluene	PE-LD	500	25	180	74	6	1332949
Xylene	PE-LD	500	25	180	74	6	1332959

* Height without spray tube

Other variations available upon request.



VENT-CAP wash bottle caps
can be found on page 69.



VITsafe™ safety wash bottles, wide-mouth



Bottles from PE-LD or PP, spray tube from PP.

More safety due to the durable safety imprint in accordance to Directive (EC) No. 1272/2008 (GHS), as well as with all important information:

- Material name in German, English, French and Spanish
- chemical formula, CAS No., hazard pictogram, signal word
- Risk phrases (H phrases), safety phrases (P phrases), as well as NFPA Code

Precise spray jet and optimised medium backflow through the continuous and finely drawn tip of the spray tube. Practically no leakage or dripping with the bright red VENT-CAP screw cap, the design of which prevents almost all static overpressure.

Imprint	Material	Volume ml	Thread GL	Height* mm	Ø mm	PU	Cat. No.
Acetone	PP	250	45	146	58	12	1451829
Acetone	PP	500	45	166	76	12	1452829
Acetone	PP	1000	63	226	91	12	1453829
Acetonitrile	PE-LD	500	45	166	76	6	1352969
Distilled Water	PE-LD	250	45	146	58	12	1351819
Distilled Water	PE-LD	500	45	166	76	12	1352819
Distilled Water	PE-LD	1000	63	226	91	12	1353819
Acetic acid	PE-LD	500	45	166	76	6	1352979
Ethanol	PE-LD	250	45	146	58	12	1351869
Ethanol	PE-LD	500	45	166	76	12	1352869
Ethanol	PE-LD	1000	63	226	91	12	1353869
Ethyl acetate	PE-LD	250	45	146	58	12	1351859
Ethyl acetate	PE-LD	500	45	166	76	12	1352859
Ethyl acetate	PE-LD	1000	63	226	91	12	1353859
Isopropanol	PE-LD	250	45	146	58	12	1351849
Isopropanol	PE-LD	500	45	166	76	12	1352849
Isopropanol	PE-LD	1000	63	226	91	12	1353849
Methanol	PE-LD	250	45	146	58	12	1351839
Methanol	PE-LD	500	45	166	76	12	1352839
Methanol	PE-LD	1000	63	226	91	12	1353839
Methylene chloride	PE-LD	500	45	166	76	6	1352879
Methyl ethyl ketone (MEK)	PP	500	45	166	76	6	1452989
Heptane	PE-LD	500	45	166	76	6	1352899
Hexane	PE-LD	500	45	166	76	6	1352909
N,N-Dimethylformamide	PE-LD	500	45	166	76	6	1352889
Pentane	PE-LD	500	45	166	76	6	1453959
Tetrahydrofuran (THF)	PE-LD	500	45	166	76	6	1352939
Toluene	PE-LD	500	45	166	76	6	1352949
Xylene	PE-LD	500	45	166	76	6	1352959

* Height without spray tube

Other variations available upon request.

VENT-CAP wash bottle caps
can be found on page 69.

Sample preparation

VENT-CAP wash bottle caps, PP

Screw cap and spray tube from PP.
Practically no leakage or dripping with the bright red VENT-CAP screw cap, the design of which prevents almost all static overpressure.
Precise spray jet and optimised medium backflow through the continuous and finely drawn tip of the spray tube.

Thread GL	PU	Cat. No.
25	12	833019
32	12	833029
45	12	833039
63	12	833049



Wash bottles with imprint, PE-LD/PP



Narrow- / wide-mouth bottles made of PE-LD, transparent.
Screw cap and spray tube from PP.
Imprinted with "Distilled Water" in German, English, French and Spanish.
Precise spray jet and optimised medium backflow through the continuous and finely drawn tip of the spray tube.

Upon request, also with other imprints for non-hazardous media according to the REACH Directive.

Volume ml	Thread GL	Height* mm	Ø mm	PU	Cat. No.
250	25	135	58	12	133181
250	45	146	58	12	135181
500	25	180	74	12	133281
500	45	166	76	12	135281
1000	32	221	92	12	133381
1000	63	226	91	12	135381
* Height without spray tube					



→ Wash bottles made from PE-LD/PP with no imprint, transparent and coloured, can be found on page 71. →



PFA-economy wash bottles



"PFA-economy" quality wash bottles. Transparent.

With recycled PFA content. Thus, reasonably priced and environmentally friendly.

PFA-economy bottles have excellent chemical resistance and high thermal stability from -200 °C to +260 °C and can be used for less critical applications for which pure PFA is not necessary.

Screw cap made from ETFE, spray tube from FEP.

Precise spray jet and optimised medium backflow through the continuous and finely drawn tip of the spray tube.

Volume ml	Thread GL	Height* mm	Ø mm	PU	Cat. No.
250	25	157	61	1	108792
500	25	189	76	1	108892
1000	32	233	96	1	108992

* Height without spray tube



Wash-bottles, PP



Narrow- / wide-mouth bottles made of PP, transparent. Screw cap and spray tube from PP.

Precise spray jet and optimised medium backflow through the continuous and finely drawn tip of the spray tube.

Volume ml	Thread GL	Height* mm	Ø mm	PU	Cat. No.
250	25	135	58	12	94993
250	45	146	58	12	93793
500	25	180	74	12	95093
500	45	166	76	12	93993
1000	32	215	92	12	95193
1000	63	226	91	12	94193

* Height without spray tube

Sample preparation

Wash-bottles, PE-LD/PP



Narrow- / wide-mouth bottles made of PE-LD, transparent. Screw cap and spray tube from PP.

Precise spray jet and optimised medium backflow through the continuous and finely drawn tip of the spray tube.

Volume ml	Thread GL	Height* mm	Ø mm	PU	Cat. No.
50	18	73	37	24	94588
100	18	95	43	24	94688
250	25	135	58	12	94988
250	45	146	58	12	93788
500	25	180	74	12	95088
500	45	166	76	12	93988
1000	32	221	92	12	95188
1000	63	226	91	12	94188

* Height without spray tube



Wash bottles with imprint
can be found on page 69.

Wash-bottles, coloured, PE-LD/PP

Narrow-mouth bottles, made from PE-LD. Available in four different colours to facilitate ready identification. Screw cap and spray tube from PP.

Precise spray jet and optimised medium backflow through the continuous and finely drawn tip of the spray tube.

Colour	Volume ml	Thread GL	Height* mm	Ø mm	PU	Cat. No.
red	250	25	135	58	5	132603
red	500	25	180	74	5	132703
red	1000	32	221	92	5	132803
green	250	25	135	58	5	132605
green	500	25	180	74	5	132705
green	1000	32	221	92	5	132805
yellow	250	25	135	58	5	132606
yellow	500	25	180	74	5	132706
yellow	1000	32	221	92	5	132806
blue	250	25	135	58	5	132608
blue	500	25	180	74	5	132708
blue	1000	32	221	92	5	132808
Set: red, green, yellow, blue (1 item each)	500	25	180	74	1	1327111
Set: red, green, yellow, blue (1 item each)	1000	32	221	92	1	1328111

* Height without spray tube





Wash-bottles, PE-LD

Narrow-mouth bottles, transparent, with screw cap. Spray tube and spray-tube insert made from PE-LD. The classic model, made from soft material with good restoring force.

Volume ml	Thread GL	Height* mm	Ø mm	PU	Cat. No.
100	18	106	45	50	134293
250	25	140	59	50	134393
500	25	180	75	50	134493
1000	28	212	94	25	134593

* Height without spray tube



Wash bottle caps, PP

Screw cap and spray tube with drawn-out tip, made of PP. Precise spray jet and optimised medium backflow through the continuous and finely drawn tip of the spray tube.

Thread GL	PU	Cat. No.
18	24	83300
25	12	83301
32	12	83302
45	12	83303
63	12	83304

Sample preparation

Dropping bottles, PE-LD/PE-HD



Narrow-mouth bottles made of PE-LD, transparent, with dropper insert and screw cap made from PE-HD.

Extra long, fine dropping tip for accurate dispensing.

Volume ml	Thread GL	Height mm	Ø mm	PU	Cat. No.
50	18	117	37	24	94587
100	18	142	43	24	94687
250	25	183	58	12	94987
500	25	228	74	12	95087
1000	32	269	92	12	95187



Caps with dropper inserts, PE-HD



For bottles with GL threads. Cap with dropper insert, complete with screw cap made from PE-HD.

Extra long, fine dropping tip for accurate dispensing.

Thread GL	PU	Cat. No.
18	24	83306
25	12	83307
32	12	83308



Dropping bottles, PE-LD

Narrow-mouth bottles, transparent, with dropper insert and red screw cap made of PE-LD. The classic model, made from soft material with good restoring force.

Volume ml	Thread GL	Height mm	Ø mm	PU	Cat. No.
20	14	88	31	100	132193
30	14	96	34	100	132293
50	18	115	39	100	132393
100	18	136	45	50	132493
250	25	170	59	50	132593
500	25	209	75	50	132693
1000	28	240	94	25	132793



Sample preparation – material separation

Sample containers, PFA



With screw cap made of PFA. Cylindrical, tall shape.
Ideal for sample collection, transport and storage of samples.

The advantages of PFA:

- Especially suitable for use in trace analysis
- Ideal for sensitive and valuable samples
- 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, smooth surfaces
- High thermal stability from -200 °C to +260 °C, autoclavable at 121 °C (2 bar) according to DIN EN 285
- Chemical inertness against nearly all chemicals
- Good transparency and dimensional stability
- Easy to clean
- Use of high purity raw material

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

Volume ml	Thread GL	Height mm	Ø mm	PU	Cat. No.
30	40	54	38	1	130297
60	40	90	38	1	130397
90	56	62	54	1	130497
180	56	112	54	1	130597



Sample containers, PE-HD

With screw cap made of PE-HD. Cylindrical, tall shape.
Ideal for sample collection, transport and storage of samples.

Volume ml	Thread mm	Height mm	Ø mm	PU	Cat. No.
5	23	36	21	10	80910
10	23	58	21	10	80911





Sample containers, PP



Transparent. With screw cap made of PP. Cylindrical, tall shape.
Ideal for sample collection, transport and storage of samples.

Volume ml	Thread GL	Height mm	Ø mm	PU	Cat. No.
30	40	54	38	10	130294
60	40	90	38	10	130394
90	56	62	54	10	130494
180	56	112	54	10	130594



Sample containers, PP



Transparent. With snap-on lid made of PE-LD. Conical shape.

Volume ml	Height mm	Ø mm	PU	Cat. No.
5	25	20	25	68594
18	57	22	25	68894
50	97	30	10	69194
160	110	50	10	69294



Sample containers, PE-LD

Transparent. With attached snap-on lid made of PE-LD.

Volume ml	Height mm	Ø mm	PU	Cat. No.
1	32	9	500	80730
2	32	14	100	80731
5	50	15	100	80737
8	56	17	100	80732
10	32	22	100	80733
25	72	24	100	80734
30	52	31	50	80736
50	74	30	50	80735

Sample preparation – material separation

Weighing jars, PP

Transparent. With knobbed lid. Cylindrical shape.

Volume ml	Height mm	Ø mm	PU	Cat. No.
25	30	40	10	80342
30	50	30	10	80340
50	30	50	10	80345
65	35	60	10	80346
65	60	40	10	80343
200	90	60	10	80347
400	120	70	10	80348



Sample tubes, PFA



Sample tubes made from PFA for sample preparation, centrifugation and for use in autosampler racks. With or without individually calibrated ring mark at 10 ml with GL 25 screw cap made from PFA or PE stopper (see Table).

The advantages of PFA:

- Especially suitable for use in trace analysis
- No memory effects
- Practically no carryover due to the extremely hydrophobic, anti-adhesive, 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

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



Figure Type No.		Volume ml	Height mm	Ø mm	PU	Cat. No.
1	With ring mark and screw cap	15	110	22	1	103897
-	Without ring mark	15	110	22	1	1038971
2	With ring mark and stopper	12	110	16	1	1037979
3	Without ring mark	12	110	16	1	103797



Sample vials, PFA



Sample vials made of PFA with conical interior and raised graduation (5 ml subdivisions). Available in two different types, depending on application:

- Cored outside bottom
- Flat surface on bottom of vial for improved heat transfer (Recommended for use with hot plates)

Both 50 ml sizes fit in common Autosampler racks.

Scope of delivery is without screw cap. Please order the screw cap (Cat. No. 104997) separately.

Volume ml	Type outside bottom	Outer-Ø mm	Height* mm	PU	Cat. No.
15	Flat	29	39	1	104197
15	Cored	29	42	1	104097
25	Flat	29	69	1	104397
25	Cored	29	72	1	104297
50	Flat	29	117	1	104597
50	Cored	29	120	1	104497
Screw cap, 33 mm, PFA (suitable for sample vials (104097 – 104597))				1	104997

* Height with thread



Autosampler-vials, PFA



Raised graduation with 1 ml subdivisions.

Translucent material for optimum visibility of the liquid contained in the vial.

Conical interior for use with autosamplers. The outer design allows easy handling of the autosampler-vials with forceps. Optionally available with snap cap for long term storage or lid with knob for fast opening and closing (dust protection) of the vial.

Scope of delivery is without lid or cap. Please order the fitting lid (Cat. No. 105597 resp. 105697) separately.

Volume ml	Outer-Ø mm	Height mm	PU	Cat. No.
1.5	13.5	24	1	105097
2.5	13.5	36	1	105197
4	14	52	1	105297
Snap cap, PFA	18	5	1	105697
Lid with knob, PFA	16	9	1	105597



Reagent tube racks, PP



White. For reagent tubes with a diameter of 21 mm.

With three levels for precise, vertical positioning of the reagent tubes.

Working temperatures of -20 to +90 °C.

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

For Ø up to mm	Positions	L x W x H mm	PU	Cat. No.
21	2 x 6	190 x 60 x 80	5	80560
21	2 x 12	375 x 65 x 85	5	80562



Coplin staining chamber, PP

With screw top. For serial staining of 10 slides 76 x 26 mm.

Height mm	Screw cap outer Ø mm	Inner Ø mm	PU	Cat. No.
94	50	34	10	136693



Narrow-mouth bottles, PFA



Transparent.

With screw cap with buttress threads made of PFA. Ideal for long-term storage of high-purity oxidants, acids, alkalis, as well as hydrocarbons, trace analysis solvents and standards.

Volume ml	Thread	Height mm	Ø mm	PU	Cat. No.
50	S 28	86	37	1	109297
100	S 28	120	45	1	109397
250	S 28	160	61	1	108297
500	S 28	190	76	1	108397
1000	S 28	240	96	1	108497

The advantages of PFA:

- 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, 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.



Wide-mouth bottles, PFA



Transparent.

With screw cap made of PFA with buttress threads. Ideal for long-term storage of high-purity oxidants, acids, alkalis, as well as hydrocarbons, trace analysis solvents and standards.

Volume ml	Thread	Height mm	Ø mm	PU	Cat. No.
250	S 40	150	61	1	109497
500	S 40	179	76	1	109597
1000	S 40	217	96	1	109697
2000	S 40	245	130	1	109797

PFA-economy narrow-mouth bottles



Narrow-mouth, "PFA-economy" quality wash bottles. Transparent.
 With recycled PFA content. Thus, reasonably priced and environmentally friendly.
 PFA-economy bottles have excellent chemical resistance and high thermal stability from -200 °C to +260 °C and can be used for less critical applications for which pure PFA is not necessary.
 With screw cap made of ETFE.

Volume ml	Thread GL	Height mm	Ø mm	PU	Cat. No.
50	18	90	37	1	108092
100	18	114	45	1	108192
250	25	157	61	1	108292
500	25	189	76	1	108392
1000	32	233	96	1	108492



Screw caps, PFA



Transparent. For sealing all PFA containers with GL threads or buttress threads.
 Autoclavable at 121 °C (2 bar) according to DIN EN 285.

The advantages of PFA:

- Especially suitable for use in trace analysis
- Ideal for sensitive and valuable samples
- 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
- Highly pure starting materials used

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

Thread	PU	Cat. No.
GL 18	1	102597
GL 25	1	102397
S 28	1	102697
S 40	1	102897





Wide-mouth bottles, PTFE



White. Opaque. Thick walled.
With screw cap made of PTFE.
Very high thermal stability and chemical resistance.
With very wide mouth, ideal for filling with powders and paste-like materials.

Volume ml	Thread mm	Height mm	Ø mm	PU	Cat. No.
10	12	50	26	1	122597
25	19	61	33	1	122697
50	25	76	43	1	122797
100	35	88	52	1	122897



Narrow-mouth bottles, PP



Transparent. With high shoulders.
With screw cap made of PP.
Good chemical resistance, ideal for long-term storage of liquids.
Autoclavable at 121 °C (2 bar) according to DIN EN 285.

Volume ml	Thread GL	Height mm	Ø mm	PU	Cat. No.
250	25	135	58	12	94994
500	25	180	74	12	95094
1000	32	215	92	12	95194



Wide-mouth bottles, PP



Transparent.
With screw cap made of PP.
Good chemical resistance, ideal for long-term storage of liquids.
Autoclavable at 121 °C (2 bar) according to DIN EN 285.
Wider mouth for simple filling, also ideal for powders and paste-like materials.

Volume ml	Thread GL	Height mm	Ø mm	PU	Cat. No.
250	45	146	58	12	93794
500	45	166	76	12	93994
1000	63	226	91	12	94194

Saving and storing

Narrow-mouth bottles, PE-LD



Transparent. With high shoulders.

With screw cap made of PP.

Flexible material with good resilience.

Volume ml	Thread GL	Height mm	Ø mm	PU	Cat. No.
50	18	73	37	24	94589
100	18	95	43	24	94689
250	25	135	58	12	94989
500	25	180	74	12	95089
1000	32	221	92	12	95189



Wide-mouth bottles, PE-LD



Transparent.

With screw cap made of PP.

Flexible material with good resilience.

Wider mouth for simple filling, also ideal for powders and paste-like materials.

Volume ml	Thread GL	Height mm	Ø mm	PU	Cat. No.
50	32	87	39	24	93389
100	32	94	47	24	93489
250	45	146	58	12	93789
500	45	166	76	12	93989
1000	63	226	91	12	94189



Screw caps, PP



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

Thread GL	PU	Cat. No.
18	24	83310
25	12	83311
32	12	83312
40	12	83315
45	12	83313
52	12	83316
56	12	83317
63	12	83314





Narrow-mouth bottles, PE-LD

Transparent. With flat shoulders.
With screw cap made of PE-LD.
Flexible material with good resilience.

Volume ml	Thread GL	Height mm	Ø mm	PU	Cat. No.
10	14	50	26	100	138093
20	14	58	31	100	138193
30	14	66	34	100	138293
50	18	85	39	100	138393
100	18	106	45	50	138493
250	25	140	59	50	138593
500	25	180	75	50	138693
1000	28	212	94	25	138793
2000	28	264	117	25	138893



Wide-mouth bottles, PE-LD

Transparent.
With screw cap made of PE-LD.
Flexible material with good resilience.
Wider mouth for simple filling, also ideal for powders and paste-like materials.

Volume ml	Thread GL	Height mm	Ø mm	PU	Cat. No.
50	32	80	38	100	139393
100	32	94	48	50	139493
250	40	126	62	50	139593
500	50	155	76	50	139693
1000	65	208	93	25	139793
2000	65	246	120	25	139893

Saving and storing

Narrow-mouth bottles, PE-HD

Transparent.

With screw cap made of PP.

Small footprint due to the square cross-section and the high shoulders.

Volume ml	Thread GL	Height mm	Size mm	Mouth inner Ø mm	PU	Cat. No.
100	25	76	43 x 43	17.5	24	91789
250	28	80	80 x 80	21	24	91989
500	32	106	90 x 90	24	12	92089
1000	32	187	80 x 80	24	12	92189



Wide-mouth bottles, PE-HD

Transparent.

With screw cap made of PP.

Small footprint due to the square cross-section and the high shoulders.

Wider mouth for simple filling, also ideal for powders and paste-like materials.

Volume ml	Thread GL	Height mm	Size mm	PU	Cat. No.
100	32	78	46 x 46	24	92489
250	50	83	80 x 80	24	92689
500	65	120	90 x 90	12	92789
1000	65	168	90 x 90	12	92889



Wide-mouth bottles, PE-LD, with eye closure

Transparent.

With eyes on the bottle and the screw cap for sealing.

With sealing plug and screw cap made of PE-LD.

Wider mouth for simple filling, also ideal for powders and paste-like materials.

Volume ml	Thread mm	Height mm	Ø mm	PU	Cat. No.
50	24	75	40	25	80408
100	24	90	50	25	80409
250	36	130	60	25	80410
500	36	160	75	10	80411
1000	50	200	95	10	80412
2000	50	250	115	10	80413





Reagent bottles, PP



Transparent.

With screw cap made of PP.

Good chemical resistance, ideal for long-term storage of liquids.

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

Size: 10,000 ml, with two handles.

Volume ml	Thread GL	Height mm	Ø mm	PU	Cat. No.
100	18	100	52	20	100389
100	32	96	55	20	101589
250	25	132	70	20	100489
500	25	165	87	10	100589
1000	32	202	108	10	100689
1000	63	204	108	10	101889
2000	32	245	131	6	100789
2000	63	243	131	6	101989
10000*	63	394	222	1	100989

* with PE foam seal



Reagent bottles, PP, GL 45



Transparent.

With screw cap made of PP.

Good chemical resistance, ideal for long-term storage of liquids.

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

Wider mouth for simple filling, also ideal for powders and paste-like materials.

Volume ml	Thread GL	Height mm	Ø mm	PU	Cat. No.
250	45	132	73	20	101689
500	45	172	87	10	101789
1000	45	197	105	10	102089
2000	45	241	131	6	102189
5000*	45	315	178	1	100889

* with handle

Reagent bottles, PP



Transparent.

With NS stopper made of PP.

Stopper type A: With square-knob cap and red core.

Stopper type B: With hexagonal-knob cap and red core.

Good chemical resistance, ideal for long-term storage of liquids.

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

Volume ml	Neck NS	Height mm	Ø mm	Stopper	PU	Cat. No.
100	14/23	106	52	A	20	100394
100	29/32	111	55	B	20	101594
250	19/26	138	70	A	20	100494
250	34/35	144	73	B	20	101694
500	24/29	172	87	A	10	100594
500	45/40	183	87	B	10	101794
1000	29/32	213	108	A	10	100694
1000	60/46	214	108	B	10	101894



Reagent bottles, opaque, PP, wide mouth



Transparent. Made from opaque, pigmented PP for light-sensitive substances.

According to DIN 12039.

With NS stopper made of PP.

Good chemical resistance, ideal for long-term storage of liquids.

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

Wider mouth for simple filling, also ideal for powders and paste-like materials.

Further information on our opaque products can be found on page 132.

Volume ml	Neck NS	Height mm	Ø mm	PU	Cat. No.
500	45/40	183	87	10	1017940
1000	60/46	214	108	10	1018940
2000	60/46	263	131	6	1019940



VITLAB® opaque replaces brown glass
and is...

- ... substantially lighter in weight
- ... practically unbreakable
- ... practically impermeable in the UV region
- ... comparable to a light protection factor of 20



Standard joint stoppers, PP



Stopper type A: With square-knob cap and red core.

Stopper type B: With hexagonal-knob cap and red core.

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

NS	Model	PU	Cat. No.
10/19	A	1	90694
12/21	A	1	90794
14/23	A	1	90894
19/26	A	1	90994
24/29	A	1	91094
29/32	A	1	91194
29/32	B	1	92194
34/35	B	1	91294
45/40	B	1	91394
60/46	B	1	91494

Saving and storing

Storage bottles, PE-HD, without tap

Transparent.

With stable carrying handle and screw cap.

Available in wide- and narrow-mouth models.

Volume l	Thread mm	Height mm	Ø mm	PU	Cat. No.
5	94	340	170	1	81640
5	62.5	345	170	1	81644
10	108	415	210	1	81642
10	62.5	425	210	1	81646



Storage bottles, PE-HD, with tap

Transparent. Narrow-mouth model.

With stable carrying handle and screw cap. The 25 and 50 l sizes come equipped with two carrying handles.

Complete with exchangeable, easily operated tap made from PP with a 3/4" pipe fitting.

Volume l	Thread mm	Height mm	Ø mm	PU	Cat. No.
5	62.5	345	170	1	81660
10	62.5	425	210	1	81662
25	95.5	565	280	1	81664
50	95.5	700	350	1	81666



Tap for storage bottles, PP

Replacement tap for storage bottles made from PP (Cat. No. 81660 to 81666).

Complete with 3/4" pipe fitting and rubber ring.

Description	PU	Cat. No.
Tap for storage bottles	1	80375

