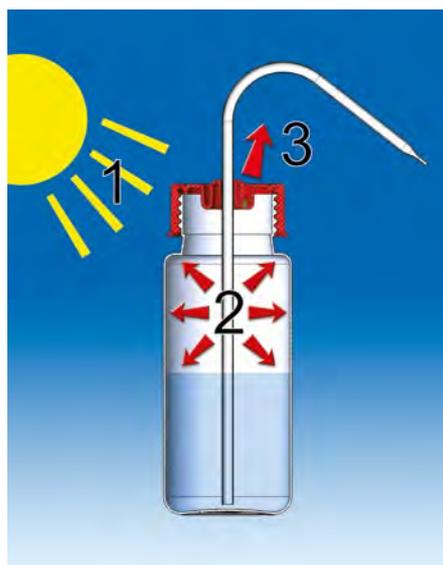


VITsafe™ - the Safety Wash Bottle

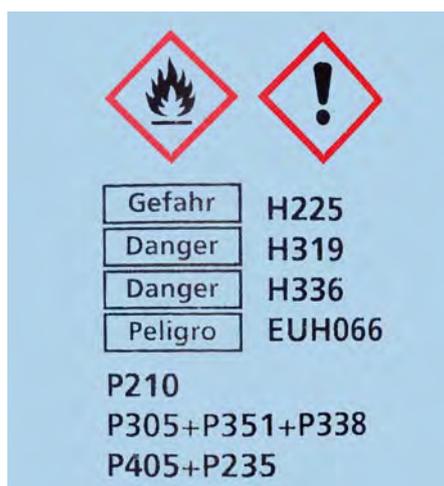
Working with chemical substances, which are sometimes dangerous, requires a high level of responsibility and concentration. With the VITsafe™ safety wash bottles VITLAB offers laboratory equipment that provides safety in the highest degree.

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



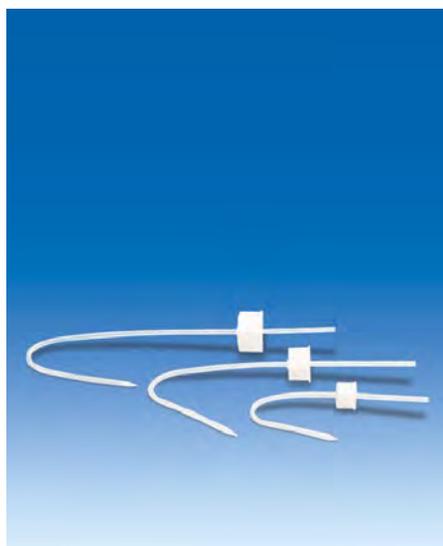


Wash-bottles, PE-LD

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