

## VWR® LAB SAFETY

Eye protection

Respiratory / hearing protection

Hand care

Apparel / footwear

Radiation protection

Solvent / chemical management

Cleaning and disposal

Spill control

Anti-fatigue / hygiene flooring

Emergency

**VWR is now part of Avantor**  
Learn more on page 51

## SAFETY

While there are many important elements in your laboratory, nothing is as important as you! Protect your staff, yourself and your space with VWR's collection of equipment and apparel designed to reduce exposure to workplace hazards and injuries.

### CONTENTS

<b>Eye protection</b>	Safety spectacles . . . . .	3
	Safety goggles . . . . .	6
	Eyewear, cleaning tissues and dispensers . . . . .	7
<b>Hearing protection</b>	Earplugs and earplug dispensers . . . . .	9
<b>Respiratory protection</b>	Disposable face masks . . . . .	11
<b>Hand care</b>	Disposable gloves including chemical compatibility charts . . . . .	13
	Glove dispensers . . . . .	21
	Handwashes . . . . .	23
<b>Apparel / footwear</b>	Labcoats . . . . .	25
	Occupational clogs . . . . .	28
<b>Radiation protection</b>	Beta bins / shields . . . . .	29
<b>Solvent and chemical management</b>	Greener solvents . . . . .	30
	GHS labels . . . . .	30
	Safety and safety waste caps . . . . .	31
	Bottle carriers . . . . .	33
<b>Cleaning and disposal</b>	Autoclave and other disposal bags . . . . .	34
	Marker pens . . . . .	37
	Glass disposal . . . . .	37
	Wipes . . . . .	37
<b>Spill control</b>	Bench protection . . . . .	40
	Sorbents . . . . .	41
	Spillage granules and kits incl. Algosol . . . . .	43
	Specialist cytotoxic spill kits . . . . .	45
<b>Anti-fatigue flooring</b>	Ergonomic and hygiene mats . . . . .	46
<b>Emergency</b>	Fire blankets . . . . .	48
	First aid kits . . . . .	48
	Eyewashes . . . . .	50

### SYMBOLS



Autoclavable



HACCP



Sterile



Warranty

## European standards for eye protection

### Basic standards

EN 166 Technical performance standard  
EN 167 Methods for optical tests  
EN 168 Test methods other than optical

### Standards by application

EN 169 Welding filters  
EN 170 Ultraviolet filters  
EN 171 Infrared filters  
EN 172 Solar protection filters for industrial use  
EN 175 Welding work equipment  
EN 207 Glasses for laser protection  
EN 208 Glasses for laser adjustment  
EN 379 Specifications concerning welding filters

### Frame marking

Frame marking must include the CE symbol and the manufacturer's identification (logo or brand). If spectacles refer to the EN Standard, the number of the EN Standard is compulsory with the various application and mechanical strength symbols, in accordance with the tests requested by the manufacturer.

### Symbols

3 - Liquid droplets or splashes  
4 - Coarse dust particles  $>5\ \mu\text{m}$   
5 - Gas and fine dust particles  $<5\ \mu\text{m}$   
8 - Electrical short circuit arc  
9 - Molten metal and hot solids

### Mechanical strength symbols

A - High energy impact, resists a 6 mm, 0,86 g ball at 190 m/s  
B - Medium energy impact, resists a 6 mm, 0,86 g ball at 120 m/s  
F - Low energy impact, resists a 6 mm, 0,86 g ball at 45 m/s  
G - Resistant to radiant heat  
K - Resistance to surface deterioration by fine particles (optional)  
N - Resistance to misting or fogging (optional)  
S - Extra strong, resists a 22 mm, 43 g ball falling 1,30 m  
T - Mechanical strength against particles travelling at high speeds and extreme temperatures

### Lens marking

Lens marking must include: The scale number for filtering lenses and the manufacturer's name (logo or brand recommended by the manufacturer).

### Radiation protection

2 - UV protection (EN 170). The number 2 indicates the filter may affect colour recognition  
2C or 3 - UV protection (EN 170). The number 2C (previously 3) indicates the filter allows good colour recognition  
4 - Infrared protection (EN 171). i.e. protection from heat  
5 - Solar protection (EN 172). i.e. 100% UV sun glare protection - with no infrared (IR) protection  
6 - Solar protection (EN 172). i.e. 100% UV sun glare protection - with infrared (IR) protection  
NB - The scale of UV can vary depending on the source and application. Please contact VWR for further information.

### Optical quality

1 - Class 1 high optical quality, suitable for regular use. Refractive power of  $\pm 0,06$  dioptres  
2 - Class 2 medium optical quality, suitable for occasional use. Refractive power of  $\pm 0,12$  dioptres  
3 - Class 3 low optical quality, suitable for exceptional use. Refractive power of  $\pm 0,25$  dioptres

### Warning

F - Maximum protection for spectacles with side arms  
B - Maximum protection for goggles  
A - Maximum protection for face protections

If the S, F, B and A symbols are not the same for the lens and the frame, the lower level should be assigned to the protective eyewear.

### Visitor spectacles, Lisbon



Visitor glasses with wrap-around, clear polycarbonate lens and indirect ventilation.

- Anti-scratch/anti-fog coating
- Integrated brow guard
- Vented side shields

Weight: 46 g

EN 166, EN 170; 1 FT

Type	Lenses	Colour	Pk	Cat. No.
Anti-UV (2-1,2), anti-scratch, anti-fog	Clear PC	Transparent	1	111-0930

### Safety spectacles, Prague



These economical, compact cover glasses (OTG) fit over most prescription eyewear.

- Pantoscopic adjustment allows lens angle modification
- Adjustable temple length

89/686/EEC, EN 166:2001, EN 170; EN 166 FT CE (frame); 1 FT (lens)

Type	Lenses	Colour	Pk	Cat. No.
Anti-UV, anti-scratch, anti-fog	Clear PC	Blue	1	111-1846

### Cover spectacles, Budapest



Wrap-around protective eyewear combining fashion, fit and function. One-piece PC lens and a lightweight, frameless design ensures a comfortable custom fit all day long.

- Adjustable temple length enables wearers to fit the eyewear to their facial profile
- Pantoscopic adjustment allows lens angle modification
- Integrated side shield
- Soft nose bridge for extra comfort

89/686/EEC, EN 166:2001, EN 170, ISO 9001:2008; 166 FT CE (frame) 1 FT (lens)

Type	Lenses	Pk	Cat. No.
Anti-UV (2-1,2), anti-scratch, anti-fog	Clear PC	1	111-1847

### Safety spectacles, Rome



Wrap-around protective eyewear offering a comfortable and custom fit all day long

- Adjustable temple length enables wearers to fit the eyewear to their facial profile
- Lightweight, frameless design
- Soft nose bridge for added comfort
- Easy lens replacement

89/686/EEC, EN 166:2001, EN 170; EN 166 FT CE (frame); 1 FT (lens)

Type	Lenses	Colour	Pk	Cat. No.
Anti-UV (2-1,2), anti-scratch, anti-fog	Clear PC	Blue	1	111-1842

## Safety spectacles, Amsterdam



Wrap-around, single lens safety glasses combining fashion, fit and function.

- Extremely lightweight
- Pantoscopic adjustment allows lens angle modification
- Rubber tips for added comfort

89/686/EEC, EN 166:2001, EN 170, ISO 9001:2008; 166 FT CE (frame) 1 FT (lens)

Type	Lenses	Colour	Pk	Cat. No.
Anti-UV (2-1,2), anti-scratch, anti-fog	Clear PC	Orange	1	<b>111-1843</b>

## Safety spectacles, London



Stylish protective eyewear combining fashion, fit and function.

- Moulded-in nose bridge
- Soft, non slip rubber temple tips
- Ideal for small facial contours

89/686/EEC, EN 166:2001, EN 170, ISO 9001:2008; 166 FT CE (frame) 1 FT (lens)

Type	Lenses	Colour	Pk	Cat. No.
Anti-UV (2-1,2), anti-scratch, anti-fog	Clear PC	Light blue	1	<b>111-1845</b>

## Safety spectacles, Stockholm



Extremely lightweight, modern safety eyewear with outstanding field of vision and exceptional protection.

- Moulded-in nose bridge provides uncompromised comfort and fit
- Single-piece lens that will fit most faces
- Soft rubber tip for additional comfort

89/686/EEC, EN 166:2001, EN 170, ISO 9001:2008; 166 FT CE (frame) 1 FT (lens)

Type	Lenses	Colour	Pk	Cat. No.
Anti-UV, anti-scratch, anti-fog	Clear PC	Transparent/black	1	<b>111-1844</b>

## Safety spectacles, Barcelona



Modern and stylish design glasses with sturdy polycarbonate frame.

- Nose pad made from soft material for extra comfort and to avoid slippage
- Soft temple dual-injected rubber to fit different head profiles
- Pantoscopic adjustment

89/686/EEC, EN 166:2001, EN 170; EN 166 FT CE (frame); 1 FT (lens)

Type	Lenses	Colour	Pk	Cat. No.
Anti-UV (2-1,2), anti-scratch, anti-fog	Clear PC	Grey/blue	1	<b>111-1848</b>

## Safety spectacles, Dublin



Lightweight spectacles with clear polycarbonate lens.

- Anti-scratch/anti-fog coating
- Moulded brow guard
- Soft nose pad
- Soft rubber temple pads

Weight: 25,5 g

EN 166, EN 170; 1 FT

Type	Lenses	Colour	Pk	Cat. No.
Anti-UV (2-1.2), anti-scratch, anti-fog	Clear PC	Transparent	1	<b>111-0929</b>

## Safety spectacles, Oslo



Safety spectacles with wrap-around, clear polycarbonate lens and indirect ventilation.

- Anti-scratch/anti-fog coating
- Integrated side shields
- Integrated brow guard
- Adjustable temple length

Weight: 35 g

EN 166, EN 170; 1 FT

Type	Lenses	Colour	Pk	Cat. No.
Anti-UV (2-1.2), anti-scratch, anti-fog	Clear PC	Transparent	1	<b>111-0932</b>

## Safety spectacles, Vienna



Lightweight safety glasses with clear PC lens.

- Anti-scratch/anti-fog coating
- Pantoscopic adjustment for angle modification
- Moulded brow guard
- Adjustable temple length

Weight: 26 g

EN 166, EN 170; 1 FT

Type	Lenses	Colour	Pk	Cat. No.
Anti-UV (2-1.2), anti-scratch, anti-fog	Clear PC	Transparent	1	<b>111-0931</b>

## Goggles, Toronto



Wrap-around modern style provides excellent panoramic vision, high level of comfort and maximum protection.

- PC lens, PVC frame, polyester/rubber headband
- Fitted with indirect ventilation
- Opalescent frame prevents light reflection
- Designed to give optimum fit to all facial contours
- Comfortably fits over most spectacles

89/686/EEC, EN 166:2001, ISO 9001:2008; EN 166 3 4 9 BT CE (frame), 1 BT 9 0 (lens)

Type	Lenses	Colour	Pk	Cat. No.
Anti-scratch, anti-fog	Clear PC	Translucent blue	1	<b>111-1840</b>

## Goggles, Montreal



Ergonomically designed wide vision goggles with co-injected frame provides 180° panoramic view. PC lens, PP (hard part) and AES Santoprene (soft part) frame, nylon headband.

- Indirect ventilation to prevent fogging
- Withstands extreme temperatures
- Designed to give optimum fit to all facial contours
- Easy four-step lens replacement

89/686/EEC, EN 166:2001, ISO 9001:2008; EN 166 3 9 BT CE (frame), 1 BT 9 0 (lens)

Type	Colour	Pk	Cat. No.
Anti-scratch, anti-fog	Black	1	111-1839

## Goggles, Kingston



Wrap-around modern style goggles, especially designed for small faces, provides excellent panoramic vision. The goggles consist of a PC lens, PVC frame and polyester/rubber headband.

- High comfort with maximum protection
- Fitted with indirect ventilation
- Opalescent frame prevents light reflection

89/686/EEC, EN 166:2001, ISO 9001:2008; EN 166 3 4 BT CE (frame); 1 BT 0 (lens)

Type	Lenses	Colour	Pk	Cat. No.
Anti-UV, anti-scratch, anti-fog	Clear PC	Translucent blue	1	111-1841

## Dispensers for personal protective equipment



ABS containers for storing personal safety apparatus in the workplace.

- Protection against dirt, dust and dampness
- Opening allows for quick removal of PPE in case of emergency
- Can be mounted using adhesive fittings or can be screwed to the wall

Description	WxDxH (mm)	Colour	Pk	Cat. No.
<b>Mini</b>				
Eye protection	236x120x120	Blue	1	111-0000
Eye protection	236x120x120	Transparent	1	111-0021
<b>Maxi</b>				
Helmet and eye protection	236x200x315	Blue	1	111-0163

## Safety spectacles dispensers, SecuBox Maxi12 and Midi4



These dispensers can be used to store visitor spectacles.

- Made from ABS
- Easy access to the items
- Good protection against dust

SecuBox Maxi12 and Midi4 bear the international trade association sign 'wear safety spectacles'.

Description	Colour	Pk	Cat. No.
Midi4 for 4 spectacles	Blue	1	111-3716
Maxi12 for 12 spectacles	Blue	1	111-3715



## Dispenser for safety glasses

Translucent acrylic dispensers provide easy access to safety accessories.

- Ergonomically angled for easy dispensing
- Hinged lid protects glasses from dust and debris
- Set on counter or wall mount (screws included)
- Large dispenser holds approx. 20 glasses, small dispenser approx. 10

Description	WxDxH (mm)	Colour	Pk	Cat. No.
Dispenser for safety glasses, small, holds up to 10 glasses	227x162x156	Translucent blue	1	111-2278
Dispenser for safety glasses, large, holds up to 20 glasses	203x203x406	Translucent blue	1	113-8687

## Workstation dispenser, 3 compartments

Three-compartment dispenser can be used to organise safety glasses, earplugs, soft covers (including bouffant caps, beard covers and shoe covers), or any small items that need to be kept within reach.

- Three separate lift-up lids
- Middle compartment has reach-in hole for dispensing soft covers
- Durable acrylic is see-through so product levels are always visible
- Set on counter or wall mount (screws included)

For labs, hospitals, doctor's offices, veterinarian offices, dentist offices, etc.



Description	WxDxH (mm)	Pk	Cat. No.
Dispenser, 3 compartments	406x406x203	1	216-2001



## Dispenser for soft covers

Translucent acrylic dispensers provide easy access to soft covers like bouffant caps, beard covers and shoe covers.

- Ergonomically angled for easy dispensing
- Hinged lid protects items from dust and debris
- Set on counter or wall mount (screws included)
- Cut-out opening for easy product removal

Description	WxDxH (mm)	Colour	Pk	Cat. No.
Dispenser for soft covers	227x162x156	Clear	1	113-8689

## Lens cleaning tissues, grade 541

These tissues are suitable for cleaning various optical lenses such as objectives, binoculars, magnifying glasses, spectacles as well as optical fibre filaments.

LxW (mm)	Packed	Pk	Cat. No.
80x100	1x500 sheets	500	111-5003
100x150	25x25 sheets	625	111-5004



## European standards for hearing protection

### Directive 2003/10/EC (supersedes Directive 86/188/EEC)

What actions should be taken to comply with the Directive?

- Assess noise levels to determine if they exceed the new action levels
- Endeavour to reduce hazardous noise exposures at source by means of engineering or administrative controls
- If noise cannot be reduced to safe levels, use hearing protectors (earplugs or earmuffs) to protect workers exposed to high levels of noise

### Action levels and exposure limits

Protective measures are required at these exposure levels.

Protective measures	Daily 8 hour exposure	Peak exposure
<b>Lower exposure action level</b>	<b>80 dBA</b>	<b>135 dBC</b>
Variety of hearing protectors must be available to workers exposed to noise (voluntary usage)		
Audiometric screening must be available to workers whose exposure indicates a risk to health		
Training must be provided in the risks of noise, correct use of hearing protectors, detection of hearing damage, provisions of health surveillance and safe working practices to minimise noise exposure		
<b>Upper exposure action level</b>	<b>85 dBA</b>	<b>137 dBC</b>
Variety of hearing protectors must be available to workers exposed to noise, and usage enforced		
Audiometric evaluation by a doctor must be available to exposed workers		
Warning signs must be posted in noisy areas		
<b>Exposure limit value</b>	<b>87 dBA</b>	<b>140 dBC</b>
Maximum allowable noise level in the ear with all protective measures in place		
Protected noise exposures under hearing protection may not exceed this level		
Include the attenuation provided by hearing protectors when estimating this value		

### SNR (Single Number Rating)

This rating number is used by the European Union and affiliated countries. Tests are conducted at independent testing laboratories, using test frequencies which are slightly different than those used for the NRR rating. In addition to an overall rating, the SNR further rates protectors in terms of the particular noise environments in which they will be used.

- H for high frequency noise environments
- M for mid frequency
- L for low frequency

Note that the HML designation does not refer to noise level, rather the spectrum of the noise. For example, a protector might be designated with SNR 26, H = 32, M = 23, L = 14. The estimated attenuation changes according to the noise spectrum of the environment in which the protector is to be worn.

### Norms

#### Earplugs

EN 352-2 – Earplugs

#### Earmuffs

EN 352-1 – Earmuffs

EN 352-3 – Helmet-mounted earmuffs

EN 352-4 – Level dependent earmuffs

EN 352-8 – Earmuffs with radio

## Disposable earplugs, E-A-R™ Classic™

These roll-down earplugs are made from a soft, energy-absorbing polymer foam which provides excellent hearing protection and all-day comfort.



- Firm material with slow recovery time helps to achieve a good fit
- Sweat and humidity resistant which improves comfort
- Very economical as the earplugs can be cleaned up to three times

Suitable for use where noise is a problem either at work or leisure activities.

SNR: 28 dB

EN 352-2

\* One size fits all.

Description	Colour	Size	Pk	Cat. No.
Earplugs, without cord, pillow pack	Yellow	U*	250 PAIR	111-0934
Earplugs, without cord, small bag of 5 pairs	Yellow	U*	250 PAIR	111-0837

## Reusable earplugs, E-A-R™ Ultrafit™

These earplugs are made from flexible materials that are already pre-formed to ensure optimum fit.

- The triple-flange feature of the earplugs ensures a perfect fit: No size adjustment required
- Easy to insert
- Washable and reusable

SNR: 32 dB

EN 352-2

\* One size fits all.



Description	Colour	Size	Pk	Cat. No.
Earplugs, with cord	Yellow	U*	50 PAIR	111-0450
Earplugs, with cord, in pocket case	Yellow	U*	50 PAIR	111-1130

## Disposable earplugs, E-A-R™ Classic™ Soft

These earplugs feature a unique PU-foam combination which warms to the body temperature and becomes softer, thus allowing the earplug to mould to the individuals ear canal shape.

- Efficient seal due to the moulding of the earplug to the ear canal
- Textured surface provides greater friction
- Improves grip and helps maintain an effective seal

Resistant to moisture for hot and humid working environments.

SNR: 36 dB

EN 352-2

\* One size fits all.



Description	Colour	Size	Pk	Cat. No.
Soft earplugs, without cord, packed in pillow packs	Yellow	U*	200 PAIR	111-0849
Soft earplugs, without cord, 200 pairs per box	Yellow	U*	200 PAIR	111-1104
Soft earplugs, with cord, 200 pairs per box	Yellow	U*	200 PAIR	111-1105

## Dispenser for earplugs

Translucent acrylic dispensers provide easy access to safety accessories.

- Ergonomically angled for easy dispensing
- Hinged lid protects items from dust and debris
- Set on counter or wall mount (screws included)
- Holds approx. 200 earplugs



Description	WxDxH (mm)	Colour	Pk	Cat. No.
Dispenser for earplugs	227x162x156	Transparent	1	113-8688

## European standards for respiratory protection

Respirators are tested to the relevant European Standards and CE marked.  
All respirators carry the CE mark plus the European Standard and performance category markings.

EN 149:2001+A1:2009: Filtering face piece and particulate respirators

- NR Non reusable (single shift only)
- R Reusable (must withstand cleaning and disinfecting)
- Suffix D: Optional Dolomite clogging test
- Dolomite-tested: Test demonstrating the respirator's resistance to clogging over time. This ensures better breathing comfort and less worker fatigue

- EN 405 Valve-filtering half mask respirators for gases and/or particulates
- EN 140 Half mask face pieces
- EN 136 Full face pieces
- EN 137 Self-contained open circuit compressed air breathing apparatus
- EN 143 Particulate filters
- EN 146 Powered respirators, hoods and helmets
- EN 147 Powered respirators, full face masks
- EN 270 Supplied air, heavy duty
- EN 371 Gas and/or combined filters for use against low boiling organic compounds
- EN 402 Escape apparatus. SCBA with full face mask or mouthpiece assembly
- EN 529 Respiratory selection, use and care
- EN 1146 Compressed air escapes apparatus with hood
- EN 1835 Supplied air, light duty
- EN 12941 Powered respirators, hoods and helmets
- EN 12942 Powered respirator, full face masks
- EN 14387 Gas and vapour filters

### Classification particulate filters

- FF Filtering respiratory face mask (FFP1 – FFP2 – FFP3)
- TM Turbo mask (only for half or full face masks with air supply)
- TH Turbo hood (only for protective hoods or helmets with air supply)

Class	Filter penetration limit	Inward leakage	APF *
1 - P1/FFP1 - To protect against coarse solid particles without specific toxicity	Filters at least 80% of airborne particles	<22%	4x
2 - P2/FFP2 - To protect against solid and/or liquid aerosols identified as hazardous or irritating	Filters at least 94% of airborne particles	<8%	10x
3 - P3/FFP3 - to protect against toxic solid and/or liquid aerosols	Filters at least 99% of airborne particles	<2%	20x

\* APF (Assigned Protection Factor)

THE LOCAL WEBSITE  
WITH GLOBAL REACH

VWR.com

### Disposable particle filtering half masks, FFP2

These masks provide protection against particulates, dust and aerosols. For use against non toxic to low toxicity solid and liquid aerosols.

- Exhalation valve fitted with the exclusive 'butterfly' opening-closing system
- Extra light
- Latex- and PVC-free

EN 149:2001+A1:2009

\*One size fits all

Class	With valve	Size	Pk	Cat. No.
FFP2	-	U*	20	113-0645
FFP2	+	U*	10	113-0646



### Disposable particle filtering half masks, FFP3

Disposable flat-fold three layer P3 respirator; spunbonded PP outer layer, meltblown PP filter media and spunbonded PP inner layer.

- Low breathing resistance
- Twin elastic headbands
- Adjustable aluminium nose bridge
- Comfortable foam seal

Compatible with eyewear. For use in lab, cleanroom production or research.

EN 149:2001

Individual hygienically packed.

\* One size fits all.

Class	With valve	Size	Pk	Cat. No.
FFP3NR	+	U*	10	111-2279



**VWR Manufacturing**  
We Enable Science Through Custom Services

# designed for innovation



## CE marking of protective gloves

Protective gloves are personal protective equipment or PPE.

Until recently PPE products have been certified according to the European Directive 89/686/EEC which is now superseded by the new PPE Regulation (EU) 2016/425.

As of 21st April 2018, Directive 89/686/EEC will be replaced by the new Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment.

As with the old directive, the new regulation determines the fundamental health and safety requirements with which products have to comply, and the procedures that have to be completed before placing a PPE product on the internal market. The visible indication of conformity is affixed with the CE mark.

The updated PPE regulation is aligned to the New Legislative Framework policy. In addition, it modifies slightly the scope and the risk categorisation of products. It also clarifies the documentary obligations of economic operators. Products that are CE marked according to the Regulation (EU) 2016/425 can be placed on the market from 21st April 2018.

From the 21st April 2019 onwards all products placed on the market have to be certified and CE marked under Regulation (EU) 2016/425.

### Three categories

Category I: PPE protection against minor risks

Category II: PPE protection against moderate risks

Category III: PPE protection against mortal injuries or irreversible harm

### European standards

EN 420: General requirements for protective gloves

EN 374: Protective gloves for use against chemicals and microorganisms

AQL (penetration, air and water leak test):

#### Performance level: Level 3

Acceptable quality level unit: <0,65

Inspection level: G1

#### Performance level: Level 2

Acceptable quality level unit: <1,5

Inspection level: G1

#### Performance level: Level 1

Acceptable quality level unit: <4,0

Inspection level: S4



### EN 374:2003 requirements (old directive)

#### EN 374: Chemical resistant glove pictogram (three-digit code).

The code refers to the code letters of the chemicals (from a list of 12 standard defined chemicals), for which a breakthrough time of at least 30 minutes has been obtained.



The 'low chemical resistant' or 'waterproof' glove pictogram is used for those gloves that do not achieve a breakthrough time of at least 30 minutes against at least three chemicals from the defined list, but which comply with the penetration test, and have an AQL of 4 or lower.



The 'microorganism' pictogram is used when the gloves conform to a minimum performance level 2 for the penetration test.

### EN 374:2016 requirements (new directive)

#### EN 374-1: Terminology and performance requirements for chemical risks

Three defined test methods:

EN 374-2: Determination of resistance to penetration (water and air leak test) – AQL level

EN 16523-1:2015 (replacement of EN 374-3): Determination of material resistance to permeation by chemicals

EN 374-4: Determination of resistance to degradation by chemicals. Although EN ISO 374-1 contains no performance requirements for degradations the EN 374-4 result will need to be included in the user instructions and is indicated as a percentage degradation.

Code letter	Chemical	CAS number	Class
A	Methanol	67-56-1	Primary alcohol
B	Acetone	67-64-1	Ketone
C	Acetonitrile	75-05-8	Nitrile compound
D	Dichloromethane	75-09-2	Chlorinated paraffin
E	Carbone disulphide	75-15-0	Sulphur-containing organic compound
F	Toluene	108-88-3	Aromatic hydrocarbon
G	Diethylamine	109-89-7	Amine
H	Tetrahydrofuran	109-99-9	Heterocyclic and ether compound
I	Ethyl acetate	141-78-6	Ester
J	n-heptane	142-85-5	Saturated hydrocarbon
K	Sodium hydroxide 40%	1310-73-2	Inorganic base
L	Sulphuric acid 96%	7664-93-9	Inorganic mineral acid
M	Nitric acid 65%	7697-37-2	Inorganic mineral acid, oxidising
N	Acetic acid 99%	64-19-7	Organic acid
O	Ammonia 25%	1336-21-6	Organic base
P	Hydrogen peroxide 30%	7722-84-1	Peroxide
S	Hydrofluoric acid 40%	7664-39-3	Inorganic mineral acid
T	Formaldehyde 37%	50-00-0	Aldehyde

EN ISO 374-1 / Type A



EN ISO 374-1 / Type A requirements:

- Penetration resistance (EN 374-2)
- Breakthrough time  $\geq 30$  min for at least 6 chemicals in the new list (EN 16523-1)

EN ISO 374-1 / Type B



EN ISO 374-1 / Type B requirements:

- Penetration resistance (EN 374-2)
- Breakthrough time  $\geq 30$  min for at least 3 chemicals in the new list (EN 16523-1)

EN ISO 374-1 / Type C



EN ISO 374-1 / Type C requirements:

- Penetration resistance (EN 374-2)
- Breakthrough time  $\geq 10$  min for at least 1 chemical in the new list (EN 16523-1)

EN ISO 374-5



EN ISO 374-5



**EN 374-5: Terminology and performance requirements for microorganisms risks**

Gloves must pass the penetration resistance test in accordance with standard EN 374-2 for bacteria and fungi and ISO16604 (ASTMF1671) for viral penetration.

EN 374-5: For gloves offering protection against bacteria and fungi

EN 374-5 VIRUS: For gloves protecting against bacteria, fungi and viruses



**EN 388:2003: Protection against mechanical risks (four-digit code)**

- Abrasion resistance (performance level 0 - 4)
- Blade cut resistance (performance level 0 - 5)
- Tear resistance (performance level 0 - 4)
- Puncture resistance (performance level 0 - 4)



**EN 388:2016: Protection against mechanical risks (5- or 6-digit/letter code)**

- Abrasion resistance (performance level 0 - 4)
- Blade cut resistance - Coup Test (performance level 0 - 5)
- Tear resistance (performance level 0 - 4)
- Puncture resistance (performance level 0 - 4)
- Cut resistance - TDM-100 Test (performance level A - F)
- Impact protection (marking, P'): Optional; will only be included for gloves that claim specific impact resistant properties



**EN 407: Protection against thermal risks (six-digit code) \***

- Burning behaviour (performance level 0 - 4)
- Contact heat (performance level 0 - 4)
- Convective heat (performance level 0 - 4)
- Radiant heat (performance level 0 - 4)
- Small splashes of molten metal (performance level 0 - 4)
- Large quantities of molten metal (performance level 0 - 4)



**EN 511: Protection against cold (three-digit code)**

- Convective cold (performance level 0 - 4)
- Contact cold (performance level 0 - 4)
- Water impermeability (performance level 0 or 1)

(\*) Gloves must achieve at least performance level 1 for abrasion and tear.



**Pictogram for welding gloves** which provide protection for metal welding, cutting applications and related activities. Protection from manual welding metal (nine requirements). Different requirements for Type A and Type B welding.

Requirements (EN levels)	Type A	Type B (high dexterity, TIG welding)
Abrasion	2	1
Cut	1	1
Tear	2	1
Puncture	2	1
Burning behaviour	3	2
Contact heat	1	1
Convective heat	2	-
Small splashes	3	2
Dexterity	1	4



#### Protection from ionising radiation and radioactive contamination

Definitions and requirements:

The nature of protection is shown by a pictogram relating to the specific protective qualities. To protect from radioactive contamination, the glove has to be liquid-proof and needs to pass the penetration test defined in EN 374.



For gloves used in containment enclosures, the glove must offer high resistance to water vapour permeability. To protect from ionising radiation, the glove has to contain a certain amount of lead, quoted as lead equivalence. This lead equivalence must be marked on each glove. Materials exposed to ionising radiation may be modelled by their behaviour to ozone cracking. This test is optional and can be used as an aid in selecting gloves which require resistance to ionising radiation.



#### Food approval for gloves

Gloves for food handling should be manufactured with authorised substances listed in the directive 85/572 and should also be tested for migration in order to evaluate the possible transfer of plastic materials from component to the foodstuffs. If there are restrictions on certain food groups, they should be mentioned.

#### EN 1149: Electrostatic properties

This standard specifies the requirements and test methods for materials used in the manufacturing of electrostatic dissipative protective clothing (gloves) to avoid electrostatic discharges.

As per EN 420 standard, no anti-static pictogram will be used.

## Nitrile gloves, NITRILE EXTRA LIGHT



These thin, ambidextrous gloves are suitable for use in medical applications, food processing and for general lab requirements in non hazardous areas.

- Non sterile, powder-free, textured fingertips
- Very thin: Provide excellent elasticity for good wearer comfort
- Free from phthalates/softeners and allergenic latex proteins; particularly skin friendly for users with latex allergy
- Beaded cuffs for easier donning
- Low thickness and textured fingertips for excellent grip

EN 374, EN 455; Cat. III; AQL 1,5

Food contact approved

\* Thickness is double measured

Model	Nitrile Extra Light
Ambidextrous/hand-specific	Ambidextrous
Disposable/reusable	Disposable
Latex/latex-free	Latex-free
Powdered/powder-free	Powder-free
Cuff style	Beaded
Cuff thickness	0,10 mm*
Finger thickness	0,14 mm*
Palm thickness	0,12 mm*
EN norm	EN 455, EN 374
Food contact approved	+



Glove size	Colour	Length (mm)	Packed	Pk	Cat. No.
XS	Pale purple	240	200/box	200	112-4193
S	Pale purple	240	200/box	200	112-4194
M	Pale purple	240	200/box	200	112-4195
L	Pale purple	240	200/box	200	112-4196
XL	Pale purple	240	180/box	180	112-4197

## Nitrile gloves, NITRILE LIGHT



These light, ambidextrous and durable gloves are ideal for food handling, catering and kitchen work, medical and lab applications and other tasks with complex risks. These thin nitrile gloves are free from phthalates, softeners and allergenic latex proteins.

- Non sterile, powder-free
- Low thickness and textured fingertips for excellent grip
- Particularly skin friendly for users with latex allergy
- Rolled cuffs minimise the risk of tearing

EN 374, EN 455; Cat. III; AQL 1,5

Food contact approved

\* Thickness is double measured



Model	Nitrile Light (240 mm)	Nitrile Light Long (300 mm)
Ambidextrous/hand-specific	Ambidextrous	
Disposable/reusable	Disposable	
Powdered/powder-free	Powder-free	
Cuff style	Beaded	
Cuff thickness	0,12 mm*	0,14 mm*
Finger thickness	0,20 mm*	0,24 mm*
Palm thickness	0,17 mm*	0,20 mm*
EN norm	EN 455, EN 374	
Food contact approved	+	

Description	Glove size	Colour	Length (mm)	Packed	Pk	Cat. No.
Nitrile Light	XS	Blue	240	100/box	100	112-2765
Nitrile Light	S	Blue	240	100/box	100	112-2754
Nitrile Light	M	Blue	240	100/box	100	112-2755
Nitrile Light	L	Blue	240	100/box	100	112-2756
Nitrile Light	XL	Blue	240	90/box	90	112-2757
Nitrile Light Long	XS	Blue	300	100/box	100	112-2766
Nitrile Light Long	S	Blue	300	100/box	100	112-2767
Nitrile Light Long	M	Blue	300	100/box	100	112-2768
Nitrile Light Long	L	Blue	300	100/box	100	112-2769
Nitrile Light Long	XL	Blue	300	90/box	90	112-2770

## Nitrile gloves, NITRILE



For laboratory use in pharmaceutical, industrial and medical applications and also in the food industry. These ambidextrous gloves provide extra protection, particularly for sensitive skin.

- Non sterile, powder-free, textured finish
- Highly resistant to chemical solvents and fats
- Excellent grip, especially when holding wet objects
- Designed especially for latex allergy sufferers

EN 374, Cat. III, AQL 1,5

Food contact approved

\* Thickness is double measured



Model	Nitrile
Ambidextrous/hand-specific	Ambidextrous
Disposable/reusable	Disposable
Latex/latex-free	Latex-free
Powdered/powder-free	Powder-free
Cuff style	Beaded
Cuff thickness	0,20 mm*
Finger thickness	0,30 mm*
Palm thickness	0,22 mm*
EN norm	EN 374
Food contact approved	+

Glove size	Colour	Length (mm)	Packed	Pk	Cat. No.
S	Blue	240	100/box	100	112-2371
M	Blue	240	100/box	100	112-2372
L	Blue	240	100/box	100	112-2373
XL	Blue	240	90/box	90	112-3101

## Nitrile gloves, NITRILE WHITE



These thin, ambidextrous gloves are suitable for use in medical applications, food processing and for general applications in non hazardous areas.

- Non sterile, powder-free, textured fingers
- Very thin: Provide excellent elasticity for good wearer comfort
- Free from phthalates/softeners and allergenic latex proteins; particularly skin friendly for users with latex allergy
- Beaded cuffs for easier donning
- Low thickness and textured fingertips for excellent grip

EN 374, EN 455; Cat. III; AQL 1,5

Food contact approved

\* Thickness is double measured

Model	Nitrile White
Ambidextrous/hand-specific	Ambidextrous
Disposable/reusable	Disposable
Powdered/powder-free	Powder-free
Finish	Textured fingertips
Cuff style	Beaded
Cuff thickness	0,10 mm*
Finger thickness	0,18 mm*
Palm thickness	0,12 mm*
EN norm	EN 455, EN 374
Food contact approved	+



Glove size	Colour	Length (mm)	Packed	Pk	Cat. No.
XS	White	240	200/box	200	112-4511
S	White	240	200/box	200	112-4512
M	White	240	200/box	200	112-4513
L	White	240	200/box	200	112-4514
XL	White	240	180/box	180	112-4515

## Latex gloves, LATEX



Single-use, ambidextrous gloves made from natural latex.

- Non sterile, powdered and powder-free
- Free from phthalates and softeners
- Textured fingertips for excellent grip
- Rolled cuffs minimise the risk of tearing

Suitable for food handling, laboratory and industrial applications with complex risks and for medical applications.

EN 455, EN 374, Cat. III; AQL 1,5

Food contact approved

\* Thickness is double measured

Model	Latex	
Ambidextrous/hand-specific	Ambidextrous	
Disposable/reusable	Disposable	
Powdered/powder-free	Powdered	Powder-free
Finish	Textured fingertips	
Cuff style	Beaded	
Cuff thickness	0,12 mm*	0,16 mm*
Finger thickness	0,20 mm*	0,22 mm*
Palm thickness	0,16 mm*	0,20 mm*
EN norm	EN 455, EN 374	
Food contact approved	+	



Model	Glove size	Colour	Length (mm)	Packed	Pk	Cat. No.
Powdered	S	Natural	240	100/box	100	112-1565
Powdered	M	Natural	240	100/box	100	112-1566
Powdered	L	Natural	240	100/box	100	112-1567
Powdered	XL	Natural	240	90/box	90	112-1568
Powder-free	XS	Natural	240	100/box	100	112-2764
Powder-free	S	Natural	240	100/box	100	112-2750
Powder-free	M	Natural	240	100/box	100	112-2751
Powder-free	L	Natural	240	100/box	100	112-2752
Powder-free	XL	Natural	240	90/box	90	112-2753

The latest technical datasheets for each product are available at [vwr.com](https://www.vwr.com).

## Disposable glove uses

Glove selection should be based on the nature and potential hazard of the substances dealt with, as well as the type of exposure. When working with materials that are harmful to the skin, please always inspect the glove for any holes or tears prior to use. In principle, tests and certificates may only be regarded as general indications, and do not exempt the user from the responsibility of making sure that the glove affords the protection requirements for the intended purpose prior to use.

## Is it possible to disinfect disposable gloves?

The intended use of a disposable examination or protective glove does not include disinfection of the glove, as depending on the type and formula of disinfectants, they may have a major effect on the glove's physical properties. Studies exist that suggest that some gloves can be disinfected, however, VWR do not recommend this because after disinfection, an intact glove film cannot be guaranteed.

## Selection of gloves for handling chemicals

Thin, disposable gloves are designed for incidental contact with chemicals, providing a basic barrier and protection, combined with good tactility and wearing comfort. In general, a higher thickness correlates with higher break through times – but this is only valid for the same material. Nitrile gloves are usually preferred over disposable latex and vinyl gloves because of their enhanced chemical resistance.

VWR single-use protective gloves have been tested in accordance with EN 374-3 'Determination of Resistance to Permeation by Chemicals'. Please note that the product characteristics are directly dependent on the conditions of use and on the purity of the chemical substances concerned.

Please check use carefully as chemical resistance recommendations do not form part of the specifications. Failure to observe this information, in particular with regard to (chemical) resistance, frequency of use and tolerability of the gloves, can result in personal injury and/or material damage. If in of doubt, obtain expert advice before use.



Level of protection	Maximum recommended contact time (min)
X	Not recommended
A	Splash contact only – change glove immediately after contact
Level 1	30
Level 2	60
Level 3	120
Level 4	240
Level 5	480
Level 6	<480

## Recommendations on chemical resistance

Chemical (synonyms)	CAS no.	VWR Nitrile	VWR Nitrile light, 240 mm	VWR Nitrile light, 300 mm	VWR Nitrile extra light
Acetic acid (10%) (methyl carbon acid)	64-19-7	n.t.	Level 6	Level 6	Level 6
Acetone (2-propanone, methyl ketone)	67-64-1	X	X	X	X
Acetonitrile (cyanomethane, ethyl nitrile)	75-05-8	X	X	X	X
Acrylamide (40%) (acrylic acid amide)	79-06-1	Level 6	Level 6	Level 6	Level 6
Ammonium hydroxide (25%)	1336-21-6	n.t.	A	A	n.t.
Benzalconium chloride liquid (quats)	63449-41-2	n.t.	n.t.	n.t.	n.t.
Chlorhexidindigluconate (0,5%)	18472-51-0	n.t.	n.t.	n.t.	n.t.
Chloroform (trichloromethane)	67-66-3	X	X	X	X
Cyclohexanol (hexalin / at 23 °C)	108-93-0	Level 4	Level 3	Level 3	n.t.
Dichloromethane (methylene chloride, freon 30)	75-09-2	X	X	X	X
Diethyl amine (DEA)	109-89-7	X	X	X	X
Diethyl ether (diethyloxide, ethoxyethane)	60-29-7	X	X	X	X
Dimethylsulphoxide DMSO (deltan, demasorb)	67-68-5	X	X	X	X
Ethanol (20%) (ethyl alcohol)	64-17-5	Level 6	Level 6	Level 6	Level 1
Ethanol (40%) (ethyl alcohol)	64-17-5	Level 1	Level 1	Level 1	A
Ethanol (70%) (ethyl alcohol)	64-17-5	Level 1	Level 1	Level 1	A
Ethanol (80%) (ethyl alcohol)	64-17-5	Level 1	A	A	A
Ethanol p.a. (ethyl alcohol)	64-17-5	n.t.	A	A	A
Ethidium bromide (1%) (homidium bromide)	1239-45-8	Level 6	Level 6	Level 6	Level 6
Ethyl acetate (aceto acid ether)	141-78-6	A	A	A	X
Formaldehyde (37%) with methanol (10%) (formalin, methyl aldehyde)*	50-00-0	Level 6	Level 3	Level 6	Level 1
Gasoline (heavy, bp 150 – 190 °C)	8032-32-4	X	X	X	X
Glutaraldehyde (5%) (1,3- diformylpropane, glutaral)	111-30-8	Level 6	Level 6	Level 6	Level 6
Heptane-n	142-82-5	A	X	X	X
Hexane-n	110-54-3	A	A	A	A
Hydrochloric acid (10%) (muriatic acid, chlorohydric acid)	7647-01-0	n.t.	Level 6	n.t.	Level 6
Hydrochloric acid (36%) (muriatic acid, chlorohydric acid)	7647-01-0	Level 3	Level 2	Level 3	A
Hydrofluoric acid (40%)	7664-39-3	Level 1	n.t.	n.t.	n.t.
Isopropyl alcohol (40%) ((2-propanol, isopropanol, IPA)	67-63-0	Level 1	Level 1	Level 1	Level 1
Isopropyl alcohol (70%) ((2-propanol, isopropanol, IPA)	67-63-0	Level 1	Level 1	Level 1	Level 1
Isopropyl alcohol p.a. (2- propanol, isopropanol, IPA)	67-63-0	Level 1	Level 1	Level 1	A
Methanol (5%) (methyl alcohol)	67-56-1	n.t.	Level 6	Level 6	n.t.
Methanol p.a. (methyl alcohol)	67-56-1	A	A	A	X
Nitric acid (10%) (aqua fortis, spirit of nitre)	7697-37-2	Level 6	Level 6	Level 6	Level 6
Nitric acid (36%) (aqua fortis, spirit of nitre)	7697-37-2	Level 4	A	A	A
Nitric acid (50%) (aqua fortis, spirit of nitre)	7697-37-2	Level 4	A	A	A
Phenol (10%) (carbolic acid, benzenol, hydroxybenzene)	108-95-2	Level 2	A	A	A
Phenol (80%) (carbolic acid, benzenol, hydroxybenzene)	108-95-2	Level 2	A	A	A
Phosphoric acid (30%) (orthophosphoric acid)	7664-38-2	n.t.	Level 6	Level 6	Level 6
Potassium hydroxide (30%) (caustic potash, lye)	1310-58-3	Level 6	Level 6	Level 6	Level 6
Sodium hydroxide (30%)(caustic soda, lye, white caustic)	1310-73-2	Level 6	Level 6	Level 6	Level 6
Sodium hydroxide (40%)(caustic soda, lye, white caustic)	1310-73-2	Level 6	Level 6	Level 6	Level 6
Sulphuric acid (96%) (vitriol)	7664-93-9	Level 1	A	A	n.t.
Toluene (methylbenzol, phenylmethane, toluol)	108-88-3	X	X	X	X
Trichlorethane (methyltrichloromethane)	71-55-6	X	X	X	X
Xylene (xylol, dimethylbenzene)	95-47-6	X	X	x	X

\*Only formaldehyde 37% is the challenge chemical that would have been detected.  
n.t. .... not tested



## Which gloves can be used when handling cytotoxic drugs?

By their very nature cytotoxic drugs are highly toxic and appropriate hand protection against chemotherapy drug exposure is vital. Gloves should be selected in accordance with the specific type of chemical used.

Using a nitrile examination glove may be a good alternative for the handling of cytotoxic drugs, whereas a surgical glove, made of natural rubber latex, or synthetic polyisoprene latex, is recommended for the preparation of chemotherapy drugs. In any case, gloves using ASTM D-6978-05 to test for resistance against chemotherapy drugs should be chosen. Gloves should always be checked for damage before use, and double donning is recommended to increase protection.

Classification	
Not suitable	
Suitable if changed before permeation breakthrough	
Suitable for longer operations, but as a precaution it is recommended that gloves are changed after two hours	

Permeation rate	
>1 µg/cm <sup>2</sup> /min	Minimal detection rate according to EN 374-3 <sup>1)</sup>
< 0,1 µg/cm <sup>2</sup> /min	Minimal detection rate according to ASTM F 739 <sup>2)</sup>
< 0,01 µg/cm <sup>2</sup> /min	Minimal detection rate according to ASTM D 6978 <sup>3)</sup>

VWR single-use gloves have been tested in accordance with ASTM F 739 'Standard Test Method for Resistance of Protective Clothing Materials to Permeation by Liquids or Gases under Conditions of Continuous Contact', EN 374-3 'Protective Gloves Against Chemicals and Microorganisms – Determination of Resistance to Permeation by Chemicals' or ASTM D 6978 'Assessment of Resistance of Medical Gloves to Permeation by Chemotherapy Drugs' by independent accredited test institutes.

Permeation level values are based on tests in a laboratory under fixed conditions and do not reflect actual conditions. As a rule, tests and certificates can only be regarded as general information and will not discharge the user from making sure that the glove will correspond to actual protection needs.

### Test results by:

- ARDL Akron Rubber Development Laboratory, Ohio, USA
- ProQares, Rijswijk, Netherlands

Breakthrough Detection Time (BDT) = minutes (min); testing temperature = 23,5 °C / concentration: According instruction leaflet.

**Caution: Damaged, or gloves that have changed appearance, should be changed immediately!**

## Recommendations on chemical resistance - cytotoxics

Chemotherapy drug	mg/ml	VWR Nitrile extra light		VWR Nitrile light,		VWR Nitrile PF	
		240 mm		240 & 300 mm		240 mm	
		Nitrile - NBR		Nitrile - NBR		Nitrile - NBR	
		BDT		BDT		BDT	
5-Fluorouracil	50,0	>240 <sup>3)</sup>		>240 <sup>3)</sup>		>240 <sup>2)</sup>	
5-Fluorouracil	10,0	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.
Carmustine (BiCNU)	3,3	15 <sup>3)</sup>		>240 <sup>1)</sup>		n.t.	n.t.
Cisplatin	1,0	>240 <sup>3)</sup>		>240 <sup>1)+3)</sup>		>240 <sup>2)</sup>	
Cyclophosphamide (Cytosan)	20,0	>240 <sup>3)</sup>		>240 <sup>3)</sup>		>240 <sup>2)</sup>	
Dacarbazine (DTIC)	10,0	>240 <sup>3)</sup>		>240 <sup>3)</sup>		>240 <sup>2)</sup>	
Doxorubicin Hydrochloride	2,0	>240 <sup>3)</sup>		>240 <sup>3)</sup>		>240 <sup>2)</sup>	
Epirubicin	2,0	>240 <sup>3)</sup>		>240 <sup>3)</sup>		n.t.	n.t.
Etoposide	20,0	132 <sup>3)</sup>		>240 <sup>3)</sup>		n.t.	n.t.
Etoposide	1,0	n.t.	n.t.	n.t.	n.t.	>240 <sup>2)</sup>	
Ifosfamid	50	n.t.	n.t.	n.t.	n.t.	n.t.	n.t.
Melphalan (Alkeran)	5,0	<10 <sup>3)</sup>		n.t.	n.t.	n.t.	n.t.
Methotrexate (Amethopterin Hydrate)	25,0	>240 <sup>3)</sup>		>240 <sup>3)</sup>		n.t.	n.t.
Methotrexate (Amethopterin Hydrate)	100,0	n.t.	n.t.	n.t.	n.t.	>240 <sup>2)</sup>	
Mitomycin C	0,5	>480 <sup>2)</sup>		n.t.	n.t.	n.t.	n.t.
Mitoxantrone	2,0	>480 <sup>2)</sup>		>240 <sup>1)</sup>		n.t.	n.t.
Paclitaxel (Taxol)	6,0	>240 <sup>3)</sup>		>240 <sup>1)+3)</sup>		>240 <sup>2)</sup>	
Thio-Tepa	10,0	<60 <sup>3)</sup>		n.t.	n.t.	n.t.	n.t.
Vincristine	1,0	>240 <sup>3)</sup>		>240 <sup>3)</sup>		>240 <sup>2)</sup>	



## Glove box holders

Epoxy coated steel wire racks.

- Available as a single box or three-box holder
- Can hold most major brands of boxed gloves
- Easy mounting on the wall

Screws are included.

Description	WxDxH (mm)	Pk	Cat. No.
Glove box holder	140x108x208	1	211-0343
Glove boxes (3) holder	250x108x454	1	211-0344

## Glove box holder

Glove boxes holder in durable resin to resist to harsh cleaning solutions.

- Wall-mountable design for easy use
- Modular design for horizontal stacking of multiple boxes
- Universal fit for many of the major brands

Suitable for use in labs, cleanrooms, hospitals and microbiological working areas.

Mounting screws included.



Description	WxDxH (mm)	Colour	Pk	Cat. No.
Glove boxes holder	254x156x97	White	3	611-3119



## Glove box holders

Holders made from tough, clear acrylic. You can clearly see the size and material of the gloves within.

- Can hold one, two or three glove boxes
- Polyester foam insert for a secure storage
- Strong, attractive, scratch resistant material

Wall-mount screws included.

Description	WxDxH (mm)	Colour	Pk	Cat. No.
Glove box holder, 1 box	141x110x260	Clear	1	113-8041
Glove boxes holder, 2 box	295x110x260	Clear	1	113-8042
Glove boxes holder, 3 box	295x110x385	Clear	1	113-8043

## Wall mount for four glove or clothing boxes

The adjustable holding points provide true flexibility to hold up to four different boxed protective products and other lab essentials. Ideal for different boxed sizes of gloves, face masks, ear plugs or shoe covers.

- Four holding positions can hold up to four boxes in one holder
- Wall- or door-mountable, mounting parts included
- No restrictions regarding box size: Open ended holding points are able to hold longer and wider boxes
- Easy to clean, with low profile



Type	LxW (mm)	Colour	Pk	Cat. No.
Wall holder, adjustable, up to 4 positions	762x152	White	1	113-8040



## Glove box holders, Microban®

These wall-mountable glove box holders are made from polystyrene with Microban® additive.

- Microban® additive to prevent growth of moulds and bacteria
- High impact polystyrene, resistant to harsh cleaning solutions
- Modular design allows stacking to save space

Suitable for use in labs, cleanrooms, hospitals and microbiological work areas. Mounting screws included.

Description	WxDxH (mm)	Colour	Pk	Cat. No.
Glove box holder, Microban®	254x156x97	Blue	3	211-0371



## Manual dispensers, Proline

These VWR manual dispensers are durable, wall-mountable and for use with Deb Stoko® soaps and cleansers. Ideal for use in offices, medical rooms, laboratories, food services and catering.

- Large push-button for one-handed or elbow operation
- Delivers the exact amount required, controlling usage and reducing waste
- Enables quick and easy cartridge replacement within seconds
- Reduces maintenance time and costs
- Allows no ingress of air into the cartridge during use
- Helps prevent product contamination

Suitable for use with Deb Stoko® Refresh™ FOAM one litre cartridges.



Description	Volume (l)	Colour	Pk	Cat. No.
Foam soap dispenser, Proline, for Deb Stoko® Refresh™ FOAM cartridges	1	Blue/white	1	115-2096
Foam soap dispenser, Proline, for Deb Stoko® Refresh™ FOAM cartridges	1	White	1	115-2097

Description	Pk	Cat. No.
<b>Accessories</b>		
Foam soap, Refresh™ Azure FOAM, 1 l cartridge for Proline manual dispenser	6	115-2267
Foam soap, Refresh™ Clear FOAM, 1 l cartridge for Proline manual dispenser	6	115-2137
Foam soap, Refresh™ Rose FOAM, 1 l cartridge for Proline manual dispenser	6	115-2334
Foam soap, Refresh™ Original FOAM, 1 l cartridge for Proline manual dispenser	6	115-2308



## Touchless soap dispenser, TF2

Durable, wall-mountable soap dispenser for use with foam cleansers.

- Dispenses exact amount required controlling usage and reducing waste
- Easy cartridge replacement within seconds
- Reduced maintenance time and costs
- No ingress of air into the cartridge during use
- Helps prevent product contamination

Suitable for use in offices, medical rooms, laboratories, food services and catering with Deb Stoko® Refresh™ FOAM and OxyBAC FOAM Wash 1,2 litre cartridges.

Description	Volume (l)	Colour	Pk	Cat. No.
Automatic soap dispenser, TF2, for Deb Stoko® Refresh™ FOAM cartridges	1,2	White	1	115-2098

Description	Pk	Cat. No.
<b>Accessories</b>		
Foam soap, Refresh™ Azure FOAM, 1,2 l cartridge for TouchFREE dispenser	3	115-2266
Foam soap, Refresh™ Clear FOAM, 1,2 l cartridge for TouchFREE dispenser	3	115-2085
Foam soap, Refresh™ Rose FOAM, 1,2 l cartridge for TouchFREE dispenser	3	115-2333

## Foam soap, Refresh™ Azure FOAM

Lightly perfumed gentle foam hand wash for use in washroom areas in offices and public facilities for general removal of dirt and grime.



- Contains skin conditioners to improve skin hydration and prevent drying
- Highly acceptable rich foam formula
- Non irritating to eyes
- Perfumed

EU Ecolabel

Description	Pk	Cat. No.
Foam soap, Refresh™ Azure FOAM, 1 l cartridge for Proline manual dispenser	6	115-2267
Foam soap, Refresh™ Azure FOAM, 1,2 l cartridge for TouchFREE dispenser	3	115-2266

## Foam soaps, Refresh™ Rose FOAM

Luxurious, lightly perfumed gentle foam hand wash for use in washroom areas in offices and public facilities. It removes general dirt and grime.



- Contains skin conditioners to improve skin hydration and prevent drying
- Highly acceptable rich foam formula
- Non irritating to eyes
- Perfumed

EU Ecolabel

Description	Pk	Cat. No.
Foam soap, Refresh™ Rose FOAM, 1 l cartridge for Proline manual dispenser	6	115-2334
Foam soap, Refresh™ Rose FOAM, 1,2 l cartridge for TouchFREE dispenser	3	115-2333

## Foam soap, Refresh™ Clear FOAM

Gentle foam hand wash formulation reduces risk of allergic reaction and skin irritation. It removes general dirt and grime. Ideal for use in washroom areas, in offices, public facilities and food handling environments.



- Contains skin conditioners to improve skin hydration and prevent drying
- Non irritating to eyes
- No flavour-tainting to food
- Colourant- and perfume-free

EU Ecolabel

Description	Pk	Cat. No.
Foam soap, Refresh™ Clear FOAM, 1 l cartridge for Proline manual dispenser	6	115-2137
Foam soap, Refresh™ Clear FOAM, 1,2 l cartridge for TouchFREE dispenser	3	115-2085

## Foam soap, Refresh™ Original FOAM

Lightly perfumed foam hand wash for use in washroom areas in offices and public facilities. It removes general dirt and grime.



- Contains skin conditioners to improve skin hydration and prevent drying
- Mild active substances cleanse hands and provide freshness
- Non irritating to eyes
- Colourant-free, perfumed

EU Ecolabel

Description	Pk	Cat. No.
Foam soap, Refresh™ Original FOAM, 1 l cartridge for Proline manual dispenser	6	115-2308



## Chemical resistant coats, polyester/Hydro-Tec, reusable



These anti-static coats are manufactured from 99% polyester fibres with 1% Hydro-Tec finish (carbon treated), which makes them both extremely durable and excellent for repelling dirt, oil, chemicals and water. All coats feature a stand-up collar, two side pockets and one breast pocket, all three protected by a flap.

- Extremely durable thanks to plain weave construction
- Innovative Hydro-Tec finish provides protection against splashes
- Front closure with press studs covered by Velcro® flap
- Women's style comes with a fitted waist
- Washable at 60 °C

Colour: White, grey or blue

Density: 275 g/m<sup>2</sup>

EN 13034:2005 (type 6), EN 1149-5; complies with Oeko-Tex® Standard 100

Colour	Clothing size	Pk	Cat. No.
<b>For ladies</b>			
White	34 (ladies)	1	113-1825
White	36 (ladies)	1	113-1826
White	38 (ladies)	1	113-1827
White	40 (ladies)	1	113-1828
White	42 (ladies)	1	113-1829
White	44 (ladies)	1	113-1830
White	46 (ladies)	1	113-1831
White	48 (ladies)	1	113-1832
White	50 (ladies)	1	113-1833
White	52 (ladies)	1	113-1834
Blue	34 (ladies)	1	113-6096
Blue	36 (ladies)	1	113-6097
Blue	38 (ladies)	1	113-6098
Blue	40 (ladies)	1	113-6099
Blue	42 (ladies)	1	113-6100
Blue	44 (ladies)	1	113-6101
Blue	46 (ladies)	1	113-6102
Blue	48 (ladies)	1	113-6103
Blue	50 (ladies)	1	113-6104
Blue	52 (ladies)	1	113-6105
Grey	34 (ladies)	1	113-6138
Grey	36 (ladies)	1	113-6139
Grey	38 (ladies)	1	113-6140
Grey	40 (ladies)	1	113-6141
Grey	42 (ladies)	1	113-6142
Grey	44 (ladies)	1	113-6143
Grey	46 (ladies)	1	113-6144
Grey	48 (ladies)	1	113-6145
Grey	50 (ladies)	1	113-6146
Grey	52 (ladies)	1	113-6147

Colour	Clothing size	Pk	Cat. No.
<b>For men</b>			
White	42 (men)	1	113-1835
White	44 (men)	1	113-1836
White	46 (men)	1	113-1837
White	48 (men)	1	113-1838
White	50 (men)	1	113-1839
White	52 (men)	1	113-1840
White	54 (men)	1	113-1841
White	56 (men)	1	113-1842
White	58 (men)	1	113-1843
White	60 (men)	1	113-1844
White	62 (men)	1	113-5994
Blue	42 (men)	1	113-6106
Blue	44 (men)	1	113-6107
Blue	46 (men)	1	113-6108
Blue	48 (men)	1	113-6109
Blue	50 (men)	1	113-6110
Blue	52 (men)	1	113-6111
Blue	54 (men)	1	113-6112
Blue	56 (men)	1	113-6113
Blue	58 (men)	1	113-6114
Blue	60 (men)	1	113-6115
Blue	62 (men)	1	113-6116
Grey	42 (men)	1	113-6148
Grey	44 (men)	1	113-6149
Grey	46 (men)	1	113-6150
Grey	48 (men)	1	113-6151
Grey	50 (men)	1	113-6152
Grey	52 (men)	1	113-6153
Grey	54 (men)	1	113-6154
Grey	56 (men)	1	113-6155
Grey	58 (men)	1	113-6156
Grey	60 (men)	1	113-6157
Grey	62 (men)	1	113-6158



## Ladies' coats, cotton or polyester/cotton

These reusable coats for women are either made of 100% cotton or 65% polyester/35% cotton. Both fabrics are robust, tear resistant and durable. The coats are available with a tailored or stand-up collar.

- Concealed press stud fastening and two-step adjustable cuffs
- Two side pockets and one breast pocket
- Fitted style, with back belt and side slit
- Washable at 95 °C, suitable for industrial laundering

Density: 215 g/m<sup>2</sup>

Colour: White

Approved in accordance with Oeko-Tex® Standard 100.

Description	Colour	Clothing size	Pk	Cat. No.
<b>Cotton</b>				
With tailored collar	White	34 (ladies)	1	113-1682
With tailored collar	White	36 (ladies)	1	113-1683
With tailored collar	White	38 (ladies)	1	113-1684
With tailored collar	White	40 (ladies)	1	113-1685
With tailored collar	White	42 (ladies)	1	113-1686
With tailored collar	White	44 (ladies)	1	113-1687
With tailored collar	White	46 (ladies)	1	113-1688
With tailored collar	White	48 (ladies)	1	113-1689
With tailored collar	White	50 (ladies)	1	113-1690
With tailored collar	White	52 (ladies)	1	113-1691
With stand-up collar	White	34 (ladies)	1	113-1692
With stand-up collar	White	36 (ladies)	1	113-1693
With stand-up collar	White	38 (ladies)	1	113-1694
With stand-up collar	White	40 (ladies)	1	113-1695
With stand-up collar	White	42 (ladies)	1	113-1696
With stand-up collar	White	44 (ladies)	1	113-1697
With stand-up collar	White	46 (ladies)	1	113-1698
With stand-up collar	White	48 (ladies)	1	113-1699
With stand-up collar	White	50 (ladies)	1	113-1701
With stand-up collar	White	52 (ladies)	1	113-1702
<b>Polyester/cotton</b>				
With tailored collar	White	34 (ladies)	1	113-1703
With tailored collar	White	36 (ladies)	1	113-1704
With tailored collar	White	38 (ladies)	1	113-1705
With tailored collar	White	40 (ladies)	1	113-1706
With tailored collar	White	42 (ladies)	1	113-1707
With tailored collar	White	44 (ladies)	1	113-1708
With tailored collar	White	46 (ladies)	1	113-1709
With tailored collar	White	48 (ladies)	1	113-1710
With tailored collar	White	50 (ladies)	1	113-1711
With tailored collar	White	52 (ladies)	1	113-1712
With stand-up collar	White	34 (ladies)	1	113-1713
With stand-up collar	White	36 (ladies)	1	113-1714
With stand-up collar	White	38 (ladies)	1	113-1715
With stand-up collar	White	40 (ladies)	1	113-1716
With stand-up collar	White	42 (ladies)	1	113-1717
With stand-up collar	White	44 (ladies)	1	113-1718
With stand-up collar	White	46 (ladies)	1	113-1719
With stand-up collar	White	48 (ladies)	1	113-1720
With stand-up collar	White	50 (ladies)	1	113-1721
With stand-up collar	White	52 (ladies)	1	113-1722



## Men's coats, cotton or polyester/cotton

These reusable coats for men are either made of 100% cotton or 65% polyester/35% cotton. Both fabrics are robust, tear resistant and durable. The coats are available with a tailored or stand-up collar.

- Concealed press stud fastening and two-step adjustable cuffs
- Two side pockets and one breast pocket
- Side slit for improved wearing comfort
- Washable at 95 °C, suitable for industrial laundering

Density: 215 g/m<sup>2</sup>

Colour: White

Approved in accordance with Oeko-Tex® Standard 100.

Description	Colour	Clothing size	Pk	Cat. No.
<b>Cotton</b>				
With tailored collar	White	42 (men)	1	113-1723
With tailored collar	White	44 (men)	1	113-1724
With tailored collar	White	46 (men)	1	113-1725
With tailored collar	White	48 (men)	1	113-1726
With tailored collar	White	50 (men)	1	113-1727
With tailored collar	White	52 (men)	1	113-1728
With tailored collar	White	54 (men)	1	113-1729
With tailored collar	White	56 (men)	1	113-1730
With tailored collar	White	58 (men)	1	113-1731
With tailored collar	White	60 (men)	1	113-1732
With tailored collar	White	62 (men)	1	113-5988
With stand-up collar	White	42 (men)	1	113-1734
With stand-up collar	White	44 (men)	1	113-1735
With stand-up collar	White	46 (men)	1	113-1736
With stand-up collar	White	48 (men)	1	113-1737
With stand-up collar	White	50 (men)	1	113-1738
With stand-up collar	White	52 (men)	1	113-1739
With stand-up collar	White	54 (men)	1	113-1740
With stand-up collar	White	56 (men)	1	113-1741
With stand-up collar	White	58 (men)	1	113-1742
With stand-up collar	White	60 (men)	1	113-1743
With stand-up collar	White	62 (men)	1	113-5989
<b>Polyester/cotton</b>				
With tailored collar	White	42 (men)	1	113-1745
With tailored collar	White	44 (men)	1	113-1746
With tailored collar	White	46 (men)	1	113-1747
With tailored collar	White	48 (men)	1	113-1748
With tailored collar	White	50 (men)	1	113-1749
With tailored collar	White	52 (men)	1	113-1766
With tailored collar	White	54 (men)	1	113-1767
With tailored collar	White	56 (men)	1	113-1768
With tailored collar	White	58 (men)	1	113-1769
With tailored collar	White	60 (men)	1	113-1770
With tailored collar	White	62 (men)	1	113-5990
With stand-up collar	White	42 (men)	1	113-1772
With stand-up collar	White	44 (men)	1	113-1773
With stand-up collar	White	46 (men)	1	113-1774
With stand-up collar	White	48 (men)	1	113-1775
With stand-up collar	White	50 (men)	1	113-1776
With stand-up collar	White	52 (men)	1	113-1777
With stand-up collar	White	54 (men)	1	113-1778
With stand-up collar	White	56 (men)	1	113-1779
With stand-up collar	White	58 (men)	1	113-1780
With stand-up collar	White	60 (men)	1	113-1781
With stand-up collar	White	62 (men)	1	113-5991

## European standards for safety footwear

### Safety footwear

EN ISO 20345: Highest protection. Toecaps tested to 200 joule. Classification S.

<b>S8</b>	Basic requirements for safety footwear met - 200 joule protection
<b>S1</b>	200 joule toecap protection. Closed-seat region (fully enclosed heel). Anti-static properties. Energy absorption of seat region.
<b>S2</b>	200 joule toecap protection. Closed-seat region (fully enclosed heel). Anti-static properties. Energy absorption of seat region. Water penetration and water absorption resistance.
<b>S3</b>	200 joule toecap protection. Closed-seat region (fully enclosed heel). Anti-static properties. Energy absorption of seat region. Water penetration and water absorption resistance. Plus penetration resistance. Cleated outsole.
<b>S4</b>	200 joule toecap protection. All rubber or all polymeric footwear with anti-static properties. Energy absorption of seat region.
<b>S5</b>	200 joule toecap protection. All rubber or all polymeric footwear with anti-static properties. Energy absorption of seat region. Plus penetration resistance. Cleated outsole.
Slip resistant rating - one of:	
<b>SRA</b>	Tested on ceramic tile wetted with dilute soap solution
<b>SRB</b>	Tested on steel with glycerol
<b>SRC</b>	SRA + SRB

## Occupational footwear

EN ISO 20347: Not required to have a protective toecap.

<b>OB</b>	Basic requirements met.
<b>O1</b>	Basic requirements plus: Closed-seat region (fully enclosed heel). Anti-static properties. Energy absorption of seat region.
<b>O2</b>	Basic requirements plus: Closed-seat region (fully enclosed heel). Anti-static properties. Energy absorption of seat region. Plus water penetration and absorption resistance.
<b>O3</b>	Basic requirements plus: Closed-seat region (fully enclosed heel). Anti-static properties. Energy absorption of seat region. Water penetration and water absorption resistance. Plus penetration resistance. Cleated outsole.
<b>O4</b>	Basic requirements. All rubber or all polymeric footwear with anti-static properties. Energy absorption of seat region.
<b>O5</b>	Basic requirements. All rubber or all polymeric footwear with anti-static properties. Energy absorption of seat region. Plus penetration resistance. Cleated outsole.

## Occupational shoes, clogs, Top Clog Autoclavable



Anti-static clogs made from thermoplastic material with a wide fitting, comfortable shape and a slip resistant sole. Machine washable at 90 °C; autoclavable at 135 °C.

- Resistant to high temperatures
- Energy absorption in the heel
- Side perforations for ventilation
- Antibacterial and anti-vibration injected insole
- Attached pivoting heel strap

Colour: White, black, green, blue

EN ISO 20347; OB, A, E, SRB

Shoe size	Pk	Cat. No.
<b>White</b>		
34/35	1 PAIR	114-5000
36/37	1 PAIR	114-5001
38/39	1 PAIR	114-5002
40/41	1 PAIR	114-5003
42/43	1 PAIR	114-5004
44/45	1 PAIR	114-5005
46/47	1 PAIR	114-5006
<b>Black</b>		
34/35	1 PAIR	114-5007
36/37	1 PAIR	114-5008
38/39	1 PAIR	114-5009
40/41	1 PAIR	114-5010
42/43	1 PAIR	114-5011
44/45	1 PAIR	114-5012
46/47	1 PAIR	114-5013

Shoe size	Pk	Cat. No.
<b>Green</b>		
34/35	1 PAIR	114-5014
36/37	1 PAIR	114-5015
38/39	1 PAIR	114-5016
40/41	1 PAIR	114-5017
42/43	1 PAIR	114-5018
44/45	1 PAIR	114-5019
46/47	1 PAIR	114-5020
<b>Blue</b>		
34/35	1 PAIR	114-5021
36/37	1 PAIR	114-5022
38/39	1 PAIR	114-5023
40/41	1 PAIR	114-5024
42/43	1 PAIR	114-5025
44/45	1 PAIR	114-5026
46/47	1 PAIR	114-5027



## Beta radiation bin



Acrylic, transparent, thickness: 10 mm

- Attached hinged lid for easy and effortless emptying
- Additional mini hinged lid for closing the filling aperture
- Robust, stable and easy to clean

For short-term storage or disposal of contaminated pipette tips, cannulae, test tubes and other small items.

Description	WxDxH (mm)	Pk	Cat. No.
Beta radiation bin	150x150x150	1	113-8975

## Beta radiation bin



Acrylic, transparent, thickness: 10 mm

- Attached hinged lid for easy filling and quick emptying
- Robust, manoeuvrable and easy to clean

Maximum protection for short-term storage or disposal of mildly-contaminated materials.

WxDxH (inner): 285x285x580 mm

Description	WxDxH ext. (mm)	Pk	Cat. No.
Beta radiation waste bin	305x305x600	1	113-8993

## Beta radiation bins



Acrylic, transparent, thickness: 10 mm

- Attached hinged lid for easy filling and quick emptying
- Sturdy, stable and easy to clean

Maximum protection for short-term storage or disposal of contaminated materials.

Description	WxDxH (mm)	Pk	Cat. No.
Beta radiation bin	150x150x150	1	113-8976
Beta radiation bin	200x200x250	1	113-8977

## Beta radiation shields



113-8820

Acrylic shield, transparent, thickness: 10 mm, for protection from low energy beta radiation. The dual angled version is angled at both the bottom and top of the shield.

- Absorb 99,5% of  $^{32}\text{P}$  beta radiation
- Stable and easy to clean
- Also protects from splashes

For use on work tables or in fume cupboards.

Form	WxDxH (mm)	Pk	Cat. No.
Angled	304x150x450	1	113-8820
Dual angled	304x150x450	1	113-8821

## Greener solvents for organic synthesis, VWR Chemicals

A lot of toxic solvents are used in organic synthesis, and CLP regulations classify them as CMR with an alternative advised.

VWR offers a number of such alternative solvents:

- 1,3-Dioxolane is strong solvent, with good solubility in water, hydrophilic and hydrophobic solvent that will 'salt out' in aqueous solutions easily if water soluble salts are added
- 1,3-Propanediol is derived also from corn. It has low toxicity and can be used in polymerisation reactions
- Methyl THF is derived from corn. It can be used to replace solvents such as THF and diethyl ether in Grignard, organometallic and lithiation applications



Description	Pack type	Pk	Cat. No.
1,3-Dioxolane ≥99.0% stabilised, GPR RECTAPUR® for synthesis	Glass bottle	1 l	87135.290
1,3-Dioxolane ≥99.0% stabilised, GPR RECTAPUR® for synthesis	Plastic bottle	5 l	87135.360
1,3-Propanediol ≥99.7%, GPR RECTAPUR® for synthesis	Glass bottle	1 l	87134.290
1,3-Propanediol ≥99.7%, GPR RECTAPUR® for synthesis	Plastic bottle	5 l	87134.360
(±)-2-Methyltetrahydrofuran ≥99.0% stabilised, GPR RECTAPUR® for synthesis	Glass bottle	1 l	87132.290
(±)-2-Methyltetrahydrofuran ≥99.0% stabilised, GPR RECTAPUR® for synthesis	Glass bottle	2,5 l	87132.320



## Safety labels, according to GHS

These labels, made of PE film and with the GHS symbols, meet with GHS (Global Harmonised System) regulations for chemical substances and mixtures. These GHS symbols replaced traditional orange symbols (HSID) in 2015, when the pictogram on an orange square and R and S phrases disappeared. These GHS symbols are based on the physical, health and environmental risks posed by the substance.

- Diamond shape
- Black print on white background in red frame
- Roll contains 500 labels in dispensing box

Description	Dimensions (mm)	Pk	Cat. No.
GHS label, Oxidising	26x26	1 Roll	116-0279
GHS label, Explosive	26x26	1 Roll	116-0280
GHS label, Gas under pressure	26x26	1 Roll	116-0281
GHS label, Environmental toxicity	26x26	1 Roll	116-0282
GHS label, Respiratory sensitisation/carcinogen	26x26	1 Roll	116-0283
GHS label, Acute toxicity	26x26	1 Roll	116-0284
GHS label, Flammable	26x26	1 Roll	116-0285
GHS label, Corrosive	26x26	1 Roll	116-0286
GHS label, Irritating	26x26	1 Roll	116-0287






## HPLC SOLVENTS IN ALUMINIUM PACKS

5, 10 and 28 l packs



### Safety, purity and economy

Go to [vwr.com](http://vwr.com) or contact your local VWR sales office for more information

# SOLVENTS AND ACIDS IN PLASTIC BOTTLES

## Safe, ergonomic and environmentally friendly packaging

If economy, high quality and convenience are important for your choice in chemicals, VWR Chemicals deliver what you need. We are constantly looking for ways to improve laboratory safety, and our range of solvents and acids in plastic bottles is designed to help do just that.

- High quality guaranteed product in an unbreakable bottle
- All parts recyclable – no need to cut off plastic coating
- 80% lighter than glass bottles - easier to handle and smaller carbon footprint in production and shipping
- More cost efficient than glass bottles - takes up 78% less space than glass bottles

High purity

Safety

Economy

Convenience





590-0036

## Safety caps

Extract solvents or mobile phases safely from reservoirs and bottles, without being exposed to hazardous gases and solvent vapours. High quality materials (PTFE and PP) ensure maximum safety for your laboratory staff and environment.

- Recommended for HPLC systems
- Chemically resistant against aggressive organic solvents
- Air valve should be changed every six months for maximum safety

Supplied with an air valve/filter and corresponding fitting.

Description	Thread	Connector	Pk	Cat. No.
Safety cap I, including 1 PFA fitting and air valve	GL 45	1x for tubing 2,3/3,2 mm OD	1	590-0036
Safety cap II, including 2 PFA fittings and air valve	GL 45	2x for tubing 2,3/3,2 mm OD	1	590-0037
Safety cap III, including 3 PFA fittings and air valve	GL 45	3x for tubing 2,3/3,2 mm OD	1	590-0038

Description	Material	Colour	Pk	Cat. No.
<b>Air valve</b>				
Air valve, UNF 1/4", service life 6 months			1	590-0035
<b>Fittings for capillary connector</b>				
Fitting with integrated ferrule, 1,6 mm OD	PFA	Green	5	590-0042
Fitting with integrated ferrule, 2,3 mm OD	PFA	Grey	5	590-0041
Fitting with integrated ferrule, 3,2 mm OD	PFA	Black	5	590-0040
Blind plug for capillary connector	PFA	Colourless	10	590-0039

## Safety caps with empty state display

Safety caps with empty level state display ensure maximum safety for laboratory workers and environment. Extract the solvent safely from the 5, 10 and 30 litre aluminium pack without being exposed to hazardous gases and solvent vapours. These safety caps inform you when your solvent supply is running low.

- Recommended for HPLC systems
- Chemically resistant against aggressive organic solvents

Air filter and valves should be changed every six month for maximum safety.

Supplied with air valve/filter, corresponding fittings and thread adapter 590-0034.

Description	Pk	Cat. No.
Safety cap II, GL 45, for 5 l aluminium can, including mechanical empty state display, 6x PFA fittings 2,3/3,2 mm OD, PE lance 310 mm long, air valve and adapter	1	590-1521
Safety cap II, GL 45, for 10 l aluminium can, including mechanical empty state display, 6x PFA fittings 2,3/3,2 mm OD, PE lance 425 mm long, air valve and adapter	1	590-1523
Safety cap II, GL 45, for 30 l aluminium can, including mechanical empty state display, 6x PFA fittings 2,3/3,2 mm OD, PE lance 555 mm long, air valve and adapter	1	590-1524



590-1521



590-0043



590-0044

## Safety waste caps

Collect your solvent waste safely without being exposed to solvent vapours or hazardous gases. High quality materials (PTFE, PP) ensure maximum safety for your laboratory staff and environment.

- Recommended for HPLC systems
- Chemically resistant against aggressive organic solvents
- Tubing connector for e.g. leak connection of diverse HPLC instruments (only for safety waste caps with tube connections)

Exhaust air filter needs to be ordered separately.

Description	Thread	Connector	Pk	Cat. No.
<b>Safety waste caps, standard</b>				
Safety waste cap, including connector for exhaust filter	GL 45	3× for tubing 1,6/3,2 mm OD	1	590-0043
<b>Safety waste caps with tube connections</b>				
Safety waste cap, including connector for exhaust filter	GL 45	2× for tubing 1,6/3,2 mm OD, 1× for tubing 6,4 - 9 mm OD	1	590-0044
Safety waste cap, including connector for exhaust filter	S 55	2× for tubing 1,6/3,2 mm OD, 1× for tubing 6,4 - 9 mm OD	1	590-0045
Safety waste cap, including connector for exhaust filter	S 60/61	2× for tubing 1,6/3,2 mm OD, 1× for tubing 6,4 - 9 mm OD	1	590-0046

Description	Pk	Cat. No.
<b>Accessories</b>		
Exhaust filter S for safety waste caps, ±30000 m <sup>2</sup> filtering surface (for container <5 l)	1	590-1509
Exhaust filter M for safety waste caps, ±60000 m <sup>2</sup> filtering surface (for container <20 l)	1	590-1511

## Exhaust filters

These exhaust filters adsorb 99% of all volatile substances, vapours and gases, even organic solvents. They can be used on any HPLC system with multiple capillaries and connectors.

It is recommended that you exchange exhaust filter S every three months and the exhaust filter M every six months.

Description	Pk	Cat. No.
Exhaust filter S for safety waste caps, ±30000 m <sup>2</sup> filtering surface (for container <5 l)	1	590-1509
Exhaust filter M for safety waste caps, ±60000 m <sup>2</sup> filtering surface (for container <20 l)	1	590-1511



## Bottle carrier

Glass bottles are designed to contain liquids, but when they break, hazardous liquids potentially mix with broken glass. This bottle carrier protects people and property from glass shards whilst limiting exposure to flammable or corrosive liquids.

- Minimises spills and breakage
- Easy open/close mechanism
- Environmentally friendly: Durable and liquid resistant handle construction

Description	Capacity (l)	Pk	Cat. No.
Safety jar with safe handle	2,5	1	215-3582



## Bags, biohazard



Sturdy bags, ideal for disposing of biologically hazardous waste that must first be autoclaved. Complete with wire closures that allow expansion of the bag and ventilation when cooling. Highly resistant to tears and puncture. Available as transparent bags without temperature indicator, or orange with temperature indicator.

PP, 50 µm thick, with 'Biohazard' label.

- Autoclavable up to 135 °C
- The useful temperature indicator text is white before autoclaving, then black
- 'Contents Have Been Autoclaved' indicates successful autoclaving
- Highly visible 'Biohazard' label with the corresponding warning sign

Bags meet the requirements of the 165 g puncture-inspection standard as described in ASTM D 709-98.

Capacity (l)	Material	LxW (mm)	Pk	Cat. No.
<b>Orange</b>				
11	PP	483x356	200	129-0024
27	PP	610x483	200	129-0025
80	PP	889x635	200	129-0026
210	PP	1143x914	100	129-0027
<b>Clear</b>				
12	PP	610x305	200	129-0028
75	PP	915x610	200	129-0029

## Bags, biohazard



Sturdy bags, ideal for disposing of biologically-hazardous waste that must first be autoclaved.

PP, 75 µm thick, red, with 'Biohazard' label.

- Autoclavable up to 135 °C
- The useful temperature indicator text is white before autoclaving, then black
- 'Contents Have Been Autoclaved' indicates successful autoclaving
- Luminous red for easy recognition and highly visible 'Biohazard' label with the corresponding warning sign

Capacity (l)	Material	LxW (mm)	Thickness (µm)	Pk	Cat. No.
12	PP	610x305	75	250	129-0030
75	PP	914x610	75	250	129-0031
260	PP	1220x965	75	50	129-0032



## Bags, biohazard



Sturdy bags, ideal for disposing of biologically hazardous waste that must first be autoclaved. Supplied complete with the necessary sealing wires.

HDPE, 100 µm thick, red, with 'Biohazard' label.

- Autoclavable up to 121 °C
- Highly resistant to tears and impact
- Luminous red for easy recognition and highly visible 'Biohazard' label with corresponding warning sign

Capacity (l)	Material	LxW (mm)	Pk	Cat. No.
12	HDPE	610x305	50	129-0039
75	HDPE	914x610	50	129-0040
260	HDPE	1220x965	50	129-0041



## Bags, biohazard



These sturdy bags are ideal for disposing of biologically hazardous waste that must first be autoclaved.

PP, 50 µm thick, red.

- Autoclavable up to 135 °C
- Available with or without temperature indicator
- Useful temperature indicator text is white before autoclaving, then black
- Text 'Contents Have Been Autoclaved' indicate successful autoclaving
- Luminous red for easy recognition and highly visible 'Biohazard' label with corresponding warning sign

Bags meet the requirements of the 480 g tensile strength test as described in ASTM D 299-94A.

Description	Capacity (l)	Material	LxW (mm)	Pk	Cat. No.
Red, with printed sign and temperature indicator	12	PP	610x305	200	129-0033
Plain red, without printed sign	12	PP	610x305	200	129-0037
Red, with printed sign and temperature indicator	75	PP	914x610	200	129-0035
Plain red, without printed sign	75	PP	914x610	200	129-0038
Red, with printed sign and temperature indicator	80	PP	890x635	200	129-0034
Red, with printed sign and temperature indicator	260	PP	1219x965	100	129-0036

## Autoclavable bags, yellow, biohazard



Ideal for processing biohazardous materials that require autoclaving prior to disposal.

Available with or without temperature indicator. High integrity polypropylene bags withstand 135 °C (275 °F) maximum autoclave temperature. Double-thick bags are ideal for sterilising animal cages and other objects with sharp corners.

PP, 50 µm thick, yellow.

- Twist-tie closure allows bag to expand and vent steam during cooling
- Bags resist punctures, tears and leaks they also meet the 165 g dart-drop standard performed as required by ASTM D1709-98
- Each bag is imprinted with the universal biohazard symbol

All biohazard bags have a temperature indicator patch with the words « CONTENTS HAVE BEEN AUTOCLAVED » printed in a chemically active ink. Before autoclaving the ink is clear on a white background, after autoclaving is complete, it darkens and words appear in a dark brown colour, providing proof that bag has been exposed to high temperatures for sterilisation.



LxW (mm)	Packed	Pk	Cat. No.
356x483	Case of 200	200	129-1149
483x610	Case of 200	200	129-1150
610x914	Case of 200	200	129-1151
940x1220	Case of 100	100	129-1152
203x305	Case of 400	400	129-1148



## Bags, non hazardous waste



Sturdy bags, ideal for disposing of non hazardous waste that must first be autoclaved.

In PP, 50 µm thick, transparent, with labelling area.

- Autoclavable up to 121 °C
- Highly resistant to tears and impact
- Specially welded seams reduce the risk of leakage

Bags meet the requirements of the 165 g puncture inspection standard as described in ASTM D1709-98.

Capacity (l)	Material	LxW (mm)	Pk	Cat. No.
11	PP	483x356	200	129-0020
27	PP	610x483	200	129-0021
80	PP	889x635	200	129-0022
210	PP	1143x914	100	129-0023



## Autoclavable bags



Sturdy, temperature resistant bags, ideal for disposing of hazardous waste that must first be autoclaved. Can also be used for autoclaving other products. Supplied complete with sealing wires.

PP, 37,5 µm or 50 µm thick, transparent.

- Autoclavable up to 135 °C
- Highly resistant to tears and impact

Material	LxW (mm)	Thickness (µm)	Pk	Cat. No.
PP	200x305	50	100	129-1153
PP	305x 610	50	100	129-1154
PP	610x305	37,5	1.000	129-0018
PP	610x760	50	100	129-1155
PP	610x 910	50	100	129-1156
PP	914x610	37,5	500	129-0019
PP	965x1220	50	100	129-1157



With 'Biohazard' printing

## Disposal bags



For safe disposal of laboratory waste such as pipette tips, disposable Petri dishes, sample tubes, etc.

PP, 40 µm thick, clear, with or without 'Biohazard' printing.

- Heat resistant up to 145 °C
- Autoclavable

Description	Capacity (l)	LxW (mm)	Pk	Cat. No.
<b>Without 'Biohazard' printing</b>				
Autoclavable bags, clear	2	300x200	500	129-0578
Autoclavable bags, clear	3	400x250	500	129-0579
Autoclavable bags, clear	12	660x305	500	129-0580
Autoclavable bags, clear	14	610x420	500	129-0582
Autoclavable bags, clear	16	780x400	500	129-0581
Autoclavable bags, clear	25	770x550	500	129-0583
Autoclavable bags, clear	32	780x600	500	129-0584
Autoclavable bags, clear	40	1100x700	350	129-0585
Autoclavable bags, clear	60	1100x900	100	129-0586
<b>With 'Biohazard' printing</b>				
Autoclavable bags, clear, with 'Biohazard' printing	12	660x305	200	129-0587
Autoclavable bags, clear, with 'Biohazard' printing	14	610x420	200	129-0588
Autoclavable bags, clear, with 'Biohazard' printing	32	780x600	200	129-0589

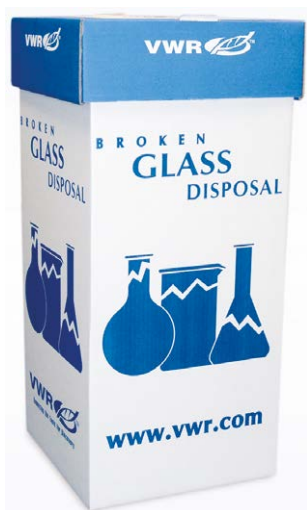
## Laboratory markers

Versatile lab markers are designed to write on wet or dry surfaces of disposable plastic material, glassware or porcelain.

- Ink will not erase when it comes in contact with water or alcohol
- Ink dries instantly, allowing immediate handling
- Can be removed with solvents (except alcohol)



Description	Colour	Pk	Cat. No.
Lab marker, fine tip	Black	10	811-0065
Lab marker, fine tip	Blue	10	811-0066
Lab marker, fine tip	Red	10	811-0067
Lab marker, fine tip	Green	10	811-0068



## Boxes for broken glass

Corrugated cardboard with PE pouch, 50 µm thick

- Folded flat for space-saving storage
- A flap is built into the lid for easy filling
- The internal safety lid is closed for the removal of the container

Ideal for collecting, transporting and removing broken glass from the laboratory. Consists of a sturdy box made of strong corrugated cardboard, and a PE insertion pouch which prevents any possible escape of fluids adhering to the broken glass.

Does not qualify as a DOT container.

Delivered unassembled. Assembly takes a few seconds.

Description	WxDxH (mm)	Pk	Cat. No.
Floor standing box, max weight: 18 kg	305×305×685	6	119-0036
Bench standing box, max weight: 5,5 kg	203×203×254	6	119-0037

## Industrial wipes, DRC63

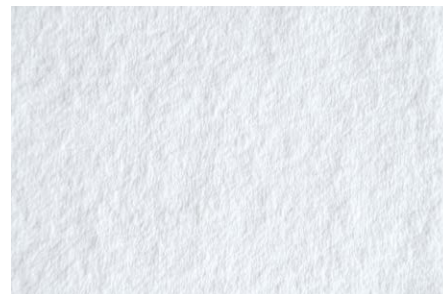
These wet-laid, double re-creped, general purpose wipes, made from wood pulp with binder, can be used for many different applications.

- Excellent absorption capacity for water and oil
- Resistant and non scratching
- Stronger and more absorbent than standard kitchen roll
- Recyclable
- Food contact certified

Typical applications include: Food & beverage, automotive, industry, printing, healthcare and janitorial tasks.

Basis weight: 63 g/m<sup>2</sup>

Absorption: 760%



Description	Colour	LxW (mm)	Packed	Pk	Cat. No.
Industrial roll (700 wipes)	White	350×260	1 roll with 700 wipes	1 Roll	115-2392
Z-folded	White	380×280	20 packs, 50 wipes each	1.000	115-2393

### Industrial wipes, super soft

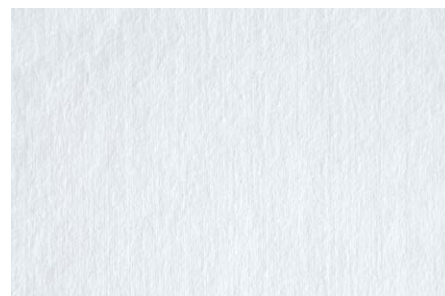
These very soft wipes, made from a spun-lace fabric, consisting of 60% viscose and 40% polyester, are ideal for sensitive surfaces and light duty cleaning.

- Non scratching: Ideal for polishing tasks
- Very absorbent
- Resistant to bases and solvents
- Recyclable, does not contain any binders

Typical applications include: Automotive, electronics, optics, industry, laboratories, healthcare and janitorial tasks.

Weight: 50 g/m<sup>2</sup>

Absorption 1010%



Description	Colour	LxW (mm)	Packed	Pk	Cat. No.
Industrial roll (375 wipes)	White	400x300	2 rolls, 375 wipes each	2 Roll	115-2416
Z-folded	White	380x320	10 packs, 50 wipes each	500	115-2417

### Industrial wipes, melt-blown

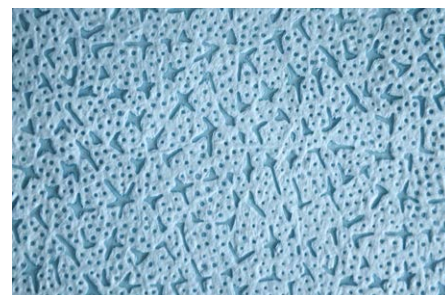
These melt-blown wipes, made from 100% PP, have a very high absorption capacity.

- Absorb water, grease and oil
- Resistant to acids and solvents
- Soft, synthetic, colourfast
- Recyclable
- Silicone-free
- Food contact certified

Typical applications include: Aerospace, automotive, electronics, food & beverage, laboratories, printing and janitorial tasks.

Basis weight: 70 g/m<sup>2</sup>

Absorption: 660% (water); 1350% (oil)



Description	Colour	LxW (mm)	Packed	Pk	Cat. No.
Industrial roll (500 wipes)	Blue	380x320	1 roll with 500 wipes	1 Roll	115-2418
Z-folded	Blue	380x400	20 packs, 25 wipes each	500	115-2419

### Industrial wipes, clean smooth, white

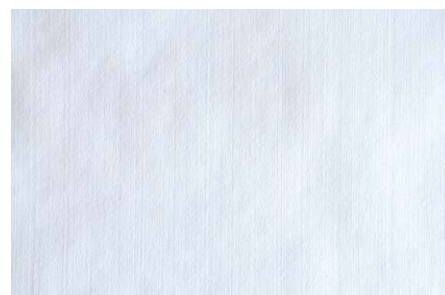
These bleached spunlace wipes made from 55% wood pulp and 45% polyester are extremely strong, even when wet.

- Low fibre and particle release
- Resistant to acids, solvents and chlorine
- Good absorption
- Do not contain any binders, silicone-free
- Recyclable
- Food contact certified

Typical applications include: Pharma, aerospace, semiconductor, food & beverage, automotive, laboratories, printing and healthcare.

Basis weight: 68 g/m<sup>2</sup>

Absorption: 400%



Description	Colour	LxW (mm)	Packed	Pk	Cat. No.
Industrial roll (500 wipes)	White	380x300	2 rolls, 500 wipes each	2 Roll	115-2394
Z-folded	White	380x300	10 packs, 50 wipes each	500	115-2395

## Industrial wipes, clean smooth, turquoise

These spun-lace wipes, made from 55% wood pulp and 45% polyester, are extremely strong, even when wet.

- Low fibre and particle release
- Resistant to acids and solvents
- Good absorption
- Do not contain any binders, silicone-free
- Recyclable
- Food contact certified

Typical applications include: Pharma, aerospace, semiconductor, food & beverage, automotive, laboratories, printing and healthcare.

Basis weight: 73 g/m<sup>2</sup>

Absorption: 600%



Description	Colour	LxW (mm)	Packed	Pk	Cat. No.
Industrial roll (500 wipes)	Turquoise	380x300	2 rolls, 500 wipes each	2 Roll	115-2396
Z-folded	Turquoise	380x300	10 packs, 50 wipes each	500	115-2397

## Industrial wipes, raspy

These spunlace apertured wipes, made from 51% wood pulp and 49% polyester, are slightly abrasive on one side and soft on the other.

- Extremely strong
- Slightly abrasive side for heavy-duty action
- Resistant to acids, solvents and chlorine
- Recyclable
- Food contact certified

Typical applications include: Food & beverage, automotive, industry, printing, laboratories, healthcare and janitorial tasks.

Basis weight: 75 g/m<sup>2</sup>

Absorption: 760%



Description	Colour	LxW (mm)	Packed	Pk	Cat. No.
Industrial roll (400 wipes)	White	380x270	1 roll with 400 wipes	1 Roll	115-2398
Z-folded	White	380x270	10 packs, 35 wipes each	350	115-2399

## Kitchen wipes, HACCP

These reusable wipes are made from 55% viscose, 35% polyester and 10% binder. Available in four different colours.

- Can be rinsed and reused
- High absorption
- Non scratching
- Recyclable
- Food contact certified
- HACCP colour coding

Typical applications include: Food & beverage, healthcare, healthcare and janitorial tasks.

Basis weight: 45 g/m<sup>2</sup>

Absorption: ≥500%



Description	Colour	LxW (mm)	Packed	Pk	Cat. No.
1/4-folded	Blue	380x600	6 packs of 50 wipes	300	115-2400
1/4-folded	Green	380x600	6 packs of 50 wipes	300	115-2402
1/4-folded	Yellow	380x600	6 packs of 50 wipes	300	115-2404
1/4-folded	Red	380x600	6 packs of 50 wipes	300	115-2413



### Wipe rolls for impregnation, with dispensing bucket

These strong centre-feed wipes, made from 70% viscose and 30% polyester, are supplied with a resealable dispensing bucket for custom impregnation.

- High absorption capacity
- For pre-impregnation at the point of use
- Can be impregnated with any solution

Description	Colour	LxW (mm)	Packed	Pk	Cat. No.
6 centre-feed rolls and 1 dispensing bucket	White	360x270	6 rolls (90 wipes each) + 1 bucket	6 Roll	115-2420



### Dispenser for wipe rolls

These dispensers, made from white lacquered metal, are suitable for use with wipe rolls.

- Floor standing or wall mounting
- For wipe rolls with a max. outer diameter of 40 cm and a max. width of 42 cm



Description	Pk	Cat. No.
Dispenser, white lacquered metal, floor standing, for wipe rolls (max. Ø 400 mm, max. width 420 mm)	1	115-2424
Dispenser, white lacquered metal, wall mounting, for wipe rolls (max. Ø 400 mm, max. width 420 mm)	1	115-2425



### Bench protectors

High quality, smooth, absorbent paper that quickly absorbs liquid spills with a thick, laminated polyethylene layer that prevents seeping onto the work surface.

- Retains leaked reagents in radio-chemical laboratories and prevents radioactive contamination
- Enables recovery of leaked, expensive materials
- Breakage protection for hard surfaces
- Absorption layer for water or solvent moisture chambers
- Impermeable protective material for lining animal cages

Absorbance rate: 115-9220 and 115-9221: 500 ml/m<sup>2</sup>

Absorbance rate: 115-0673: 750 ml/m<sup>2</sup>

Colour	LxW (mm)	Packed	Pk	Cat. No.
White	460x570	Single sheets	50	115-9220
White	460x50 000	Roll	1	115-9221
White	460x570	Single sheets	50	115-0673

## Lab mats, silicone



The reusable, environmentally friendly Lab Mat is an economical solution to help keep bench tops clean and safe from stains, spills and wear. The lab mat is made from a durable FDA-approved silicone material that creates a stain resistant, washable working surface. It is chemically inert and does not react with most chemicals.



- Protect bench tops from hot items up to 200 °C
- Large anti-skid and noise-dampening working surface
- Lip design around the outer edge of the mat helps contain spillage
- Washable with standard disinfectants in sinks or dishwashers to enable repetitive use
- Mat can be rolled up for compact storage
- Autoclavable at 121° for 15 minutes

The lab mat can be used with items such as centrifuges, vortex mixers, hot plates, stirrers, pipettes and so much more. Ideal for every type of laboratory and more specialised areas such as cold rooms, cleanrooms, sterile suites and areas where high sterility is a requirement.

Thickness (mm)	Colour	LxW (mm)	Pk	Cat. No.
2	Purple	350x600	1	111-9200



## Absorbents - mats, rolls and socks for oil spills

VWR absorbents and spill-containment products help keep your employees and work environment safe from unexpected spills, leaks, drips or other accidents.

- Will only absorb oil and petroleum-based liquids
- Will not absorb water-based liquids
- Can be used outdoors as they will not absorb water

For use with oil.

Colour: White

Description	Capacity (l)	LxW (mm)	Packed	Pk	Cat. No.
Absorbent pads for oil, white	136	510x410	Box	200	121-0137
Absorbent rolls for oil, white	57	46000x380	Dispenser box	1 Roll	121-0140
Absorbent socks for oil, white	43	1220x76	Box	12	121-0143

Description	Packed	Pk	Cat. No.
<b>Absorbents - mats, rolls and socks for chemical-based spills</b>			
Absorbent pads for chemicals, green	Box	200	121-0139
Absorbent rolls for chemicals, green	Dispenser box	1 Roll	121-0142
Absorbent socks for chemicals, green	Box	12	121-0145
<b>Absorbents - mats, rolls and socks for oil, water and chemical-based spills</b>			
Absorbent pads for oil, water, chemicals, grey	Box	200	121-0138
Absorbent rolls for oil, water, chemicals, grey	Dispenser box	1 Roll	121-0141
Absorbent socks for oil, water, chemicals, grey	Box	12	121-0144



## Absorbents - mats, rolls and socks for oil, water and chemical-based spills

VWR absorbents and spill-containment products help keep your employees and work environment safe from unexpected spills, leaks, drips or other accidents.

- Absorbs a variety of industrial liquids including oil, water, solvents and coolants
- Cannot be left outdoors as they will absorb water
- For maintenance and universal sorbents

For use with chemicals, oil and water.

Colour: Grey

Description	Capacity (l)	LxW (mm)	Packed	Pk	Cat. No.
Absorbent pads for, oil, water, chemicals, grey	136	510x410	Box	200	121-0138
Absorbent rolls for, oil, water, chemicals, grey	57	46000x380	Dispenser box	1 Roll	121-0141
Absorbent socks for, oil, water, chemicals, grey	43	1220x76	Box	12	121-0144

Description	Packed	Pk	Cat. No.
<b>Absorbents - mats, rolls and socks for chemical-based spills</b>			
Absorbent pads for chemicals, green	Box	200	121-0139
Absorbent rolls for chemicals, green	Dispenser box	1 Roll	121-0142
Absorbent socks for chemicals, green	Box	12	121-0145
<b>Absorbents - mats, rolls and socks for oil spills</b>			
Absorbent pads for oil, white	Box	200	121-0137
Absorbent rolls for oil, white	Dispenser box	1 Roll	121-0140
Absorbent socks for oil, white	Box	12	121-0143



## Absorbents - mats, rolls and socks for chemical-based spills

VWR absorbents and spill containment products help keep your employees and work environment safe from unexpected spills, leaks, drips or other accidents.

- Absorbs a wide range of chemicals, including acids and caustics
- Chemically inert: Product does not degrade or cause a dangerous chemical reaction with the adsorbed liquid
- Green colour alerts that product is being used for hazardous liquids
- Green colour allows user to identify and separate hazardous waste for disposal, resulting in lower disposal costs
- Cannot be left outdoors as they will absorb water

For use with chemicals.

Colour: Green

Description	Capacity (l)	LxW (mm)	Packed	Pk	Cat. No.
Absorbent pads for chemicals, green	136	510x410	Box	200	121-0139
Absorbent rolls for chemicals, green	57	46000x380	Dispenser box	1 Roll	121-0142
Absorbent socks for chemicals, green	43	1220x76	Box	12	121-0145

Description	Packed	Pk	Cat. No.
<b>Absorbents - mats, rolls and socks for oil, water and chemical-based spills</b>			
Absorbent pads for, oil, water, chemicals, grey	Box	200	121-0138
Absorbent rolls for, oil, water, chemicals, grey	Dispenser box	1 Roll	121-0141
Absorbent socks for, oil, water, chemicals, grey	Box	12	121-0144
<b>Absorbents - mats, rolls and socks for oil spills</b>			
Absorbent pads for oil, white	Box	200	121-0137
Absorbent rolls for oil, white	Dispenser box	1 Roll	121-0140
Absorbent socks for oil, white	Box	12	121-0143



## Spillage absorption granules

These coarse granules are easy to use, and when applied to liquid spillages, will absorb up to 80% of their own weight.

- Bulk density 50 g/100 ml
- Rapid absorption of low viscosity liquids
- Granular, size typically 1 to 3,15 mm (95% more than 1,0 mm), generates little dust

The granules are suitable for absorbing acids, alkalis, other aqueous solutions and organic liquids.

Mercury is not absorbed.

Description	Pk	Cat. No.
Spillage absorption granules, typically 1 - 3,15 mm	2,5 kg	332377C

## Spillage granules, acid neutraliser, ALGOSOL N

Algosol is a unique, natural product made from seaweed and is suitable for the neutralisation of acids, such as hydrochloric, sulphuric, nitric and hydrofluoric. It absorbs spills immediately without breaking up and can be used to extinguish fires.

- Biodegradable, non toxic, non flammable and dust-free
- Can be swept up easily
- Stable, chemically inert and non polluting

1 kg of Algosol neutralises 180 ml 95% sulphuric acid or 530 ml of 36% hydrochloric acid or 400 ml of 70% nitric acid or 260 ml of 40% hydrofluoric acid.



Description	Pk	Cat. No.
ALGOSOL N	10 kg	99910.414



## Spill response kit for chemicals

Spill kit suitable for dangerous liquids.

- Total absorbent capacity up to 10 litres, depending on the chemical being absorbed
- Suitable for coping with oils and solvents
- Can be used for most chemicals

Description	Absorbency	Pk	Cat. No.
Spill response kit for chemicals	10 l/kit	1 KIT	121-1050



## Emergency intervention kit

Set for absorption of organics, aqueous solutions, alkalis and acids. It contains:

- 3x MERCK Chemisorb for absorption of organics and aqueous solutions (1.02051.0500)
- MERCK Chemisorb for absorption of alkalis (including a neutraliser and a pH indicator) (1.01596.1000)
- MERCK Chemisorb for absorption of acids (1.02491.2500)
- Pair of barrier gloves with liner size 9 (112-1010)
- Pair of barrier gloves with liner size 7 (112-0946)
- 2x masks 4279 3M ABEK (111-0044)
- 2x goggles
- Dust tray
- Brush in PBT, sterilisable (129-0175)
- Disposal bag 483x610 mm (129-0021)

This product is not available in all countries. Please check with your local VWR office or supplier.

### Description

Emergency intervention kit

### Pk

1 SET

### Cat. No.

129-0199

## Spill kits, mobile, SPILL-X®

Developed to economically treat small spills, such as those that can occur in a laboratory environment. Provides easy access to the appropriate control agent for a particular type of chemical spill.

- Treats hazardous spills rather than just repackaging them
- Safe, easy to use, with the highest per volume absorption capacity
- Neutralises and solidifies acids and caustics for easy waste disposal (SPILL-X-A®, SPILL-X-C®)
- Absorbs solvents and raises the flash point above 60 °C, without producing toxic by-products (SPILL-X-S®)
- SPILL-X® case comes with portable, semi-portable or permanent mounting options



PP containers allow for both types of agent application, namely pouring or shaking. Each bottle can treat a spillage up to 1,9 litres (1,4 to 1,9 m<sup>2</sup>). Converts caustics and acids into non hazardous compounds that meet EPA specifications for non hazardous waste. Can be used effectively to deal with accidental spills or release of acids (SPILL X A®, also suitable for hydrofluoric acid HF), caustics (SPILL X C®), solvents (SPILL X S®) and formaldehyde (SPILL X FP®) in the workplace.

SPILL-X® kit case WxDxH: 470x145x550 mm (closed)

Each kit comprises of six bottles of individual agents, 1x pack of eye and hand protective accessories (1x safety goggles, 1x nitrile gloves, 2x clean up pans, 1x scraper, 6x waste bags, 1x treatment guide leaflet), a graphic instruction card, wall-mount screws and anchors. Everything is supplied in a plastic portable case. Please order refill bottles of SPILL-X® agents and extra packs of eye and hand protecting accessories separately.

### Description

Multipurpose SPILL-X®, 2x SPILL-X-A® acid, 2x SPILL-X-C® caustic and 2x SPILL-X-S® solvent agents

### Pk

1

### Cat. No.

121-0006

Acid SPILL-X-A®, 6x1,13 kg bottles

1

121-0007

Formaldehyde SPILL-X-FP®, 3x SPILL-X-FP® formaldehyde and 3x SPILL-X-S® solvent agents

1

121-0008

## Cytotoxic spill kits

Protective clothing, tools, absorbents and wipes arranged in four multifunctional kits for rapid and safe cleaning of cytotoxic drug spillages. For use in hospitals, clinics, surgeries, pharmacies and laboratories.

### Cytotoxic spill kit:

Cytotoxic Spill Kit PPE, Cytotoxic Spill Kit Liquid Clean Up, Cytotoxic Spill Kit Powder Clean Up, Cytotoxic Spill Kit Waste Disposal and sterile wipes for safe containment and removal of cytotoxic spillages.

### Cytotoxic spill kit PPE:

Cleanroom gloves, polychloroprene, BioClean P-Zero™, sterile, size 8, natural (112-3877); chemo protective apron, BioClean-C™, CleanTough™ fabric, size: L, blue (113-8149); sleeve protector, Tyvek®, PS32LA, 500 mm, white (113-0494); cleanroom boot covers, BioClean-D™, CleanTough™, 400 mm, white (113-0814); cleanroom face masks, Maximum with earloop, blue (113-6220); cleanroom goggles, BioClean Clearview™, sterile, single-use, clear PC (111-0186).



121-0148

### Cytotoxic spill kit liquid clean up:

Absorbent, Chemizorb® powder for spillages 500 g (1.02051.0500); autoclavable scraper, PP, LxW: 250x110 mm, green (233-0194); scoop, LxW: 310x138 mm, white (233-0195); chemically inert tweezers, fine square tips, PTFE, white (232-0211).

### Cytotoxic spill kit powder clean up:

Water for injection, Mini Plasco, 20 ml (331-0299); absorbent pad, PIG® HAZ-MAT, heavy weight, 510x380 mm (121-0527).

### Cytotoxic spill kit waste disposal:

Disposal bag for hazardous waste, PE, black warning 'Hazardous Material Handle With Care' on bright yellow, small, LxW: 762x457 mm (121-0503); floor sign: 'Caution Hazardous Spill', PVC, LxW: 600x450 mm (116-0112); fixing clamp for floor-standing sign, PVC (116-0116).

Available as four single kits and as an 'All-In-One' version (Cytotoxic Spill Kit).

Description	Pk	Cat. No.
Cytotoxic Spill Kit contains 4 kits: Cytotoxic Spill Kit PPE, Cytotoxic Spill Kit Liquid Clean Up, Cytotoxic Spill Kit Powder Clean Up, Cytotoxic Spill Kit Waste Disposal and sterile wipes	1	121-0147
Cytotoxic Spill Kit PPE; incl. sterile gloves, chemo protective apron, sleeve protector, boot covers, face mask, single-use goggles	1	121-0148
Cytotoxic Spill Kit Liquid Clean Up; incl. absorbent Chemizorb® powder, PP scraper, filling scoop, PTFE tweezers	1	121-0149
Cytotoxic Spill Kit Powder Clean Up; incl. water for injection, absorbent pad, PIG® HAZ-MAT	1	121-0150
Cytotoxic Spill Kit Waste Disposal; incl. disposal PE bag for hazardous waste, PVC-floor sign: "Caution Hazardous spill", fixing clamp for floorstanding sign	1	121-0151

## Ergonomic mats, basic bubble and basic smooth



These mats are made of low density polyurethane providing an ergonomic, anti-fatigue profile. Bubble mats are designed for dry, non critical environments, reducing trip hazards, body aches, quality issues and sick leave. The smooth, flat mats are ideal for dry, non critical environments where sitting and standing work areas are combined, or where carts or trolleys must be used.

- Moulded bevelled edges will not curl up, thus eliminating trip hazards
- Any size or any shape - will always be one piece: No overlapping or worn out connecting mats
- Ergonomic design stimulates the body to increase blood circulation and alertness
- Silicone- and latex-free
- Warranty up to 3 years

DIN 53505, EN ISO 527-1, ASTM D 624



115-1149

115-1202

LxW (mm)	Thickness (mm)	Colour	Pk	Cat. No.
<b>Basic Bubble</b>				
600x900	15	Grey	1	115-1149
600x1200	15	Grey	1	115-1150
600x1500	15	Grey	1	115-1151
600x1800	15	Grey	1	115-1152
600x2100	15	Grey	1	115-1153
600x2400	15	Grey	1	115-1154
600x2700	15	Grey	1	115-1155
600x3000	15	Grey	1	115-1156
600x3300	15	Grey	1	115-1157
600x3600	15	Grey	1	115-1158
600x3900	15	Grey	1	115-1159
600x4200	15	Grey	1	115-1160
600x4500	15	Grey	1	115-1161
600x4800	15	Grey	1	115-1162
600x5100	15	Grey	1	115-1163
600x5400	15	Grey	1	115-1164
600x5700	15	Grey	1	115-1165
600x6000	15	Grey	1	115-1166
900x900	15	Grey	1	115-1167
900x1200	15	Grey	1	115-1168
900x1500	15	Grey	1	115-1169
900x1800	15	Grey	1	115-1170
900x2100	15	Grey	1	115-1171
900x2400	15	Grey	1	115-1172
900x2700	15	Grey	1	115-1173
900x3000	15	Grey	1	115-1174
900x3300	15	Grey	1	115-1175
900x3600	15	Grey	1	115-1176
900x3900	15	Grey	1	115-1177
900x4200	15	Grey	1	115-1178
900x4500	15	Grey	1	115-1179
900x4800	15	Grey	1	115-1180
900x5100	15	Grey	1	115-1181
900x5400	15	Grey	1	115-1182
900x5700	15	Grey	1	115-1183
900x6000	15	Grey	1	115-1184
1200x1200	15	Grey	1	115-1185
1200x1500	15	Grey	1	115-1186
1200x1800	15	Grey	1	115-1187
1200x2100	15	Grey	1	115-1188
1200x2400	15	Grey	1	115-1189
1200x2700	15	Grey	1	115-1190
1200x3000	15	Grey	1	115-1191
1200x3300	15	Grey	1	115-1192
1200x3600	15	Grey	1	115-1193
1200x3900	15	Grey	1	115-1194
1200x4200	15	Grey	1	115-1195
1200x4500	15	Grey	1	115-1196
1200x4800	15	Grey	1	115-1197
1200x5100	15	Grey	1	115-1198
1200x5400	15	Grey	1	115-1199
1200x5700	15	Grey	1	115-1200
1200x6000	15	Grey	1	115-1201

LxW (mm)	Thickness (mm)	Colour	Pk	Cat. No.
<b>Basic Smooth</b>				
600x900	11	Grey	1	115-1202
600x1200	11	Grey	1	115-1203
600x1500	11	Grey	1	115-1204
600x1800	11	Grey	1	115-1205
600x2100	11	Grey	1	115-1206
600x2400	11	Grey	1	115-1207
600x2700	11	Grey	1	115-1208
600x3000	11	Grey	1	115-1209
600x3300	11	Grey	1	115-1210
600x3600	11	Grey	1	115-1211
600x3900	11	Grey	1	115-1212
600x4200	11	Grey	1	115-1213
600x4500	11	Grey	1	115-1214
600x4800	11	Grey	1	115-1215
600x5100	11	Grey	1	115-1216
600x5400	11	Grey	1	115-1217
600x5700	11	Grey	1	115-1218
600x6000	11	Grey	1	115-1219
900x900	11	Grey	1	115-1220
900x1200	11	Grey	1	115-1221
900x1500	11	Grey	1	115-1222
900x1800	11	Grey	1	115-1223
900x2100	11	Grey	1	115-1224
900x2400	11	Grey	1	115-1225
900x2700	11	Grey	1	115-1226
900x3000	11	Grey	1	115-1227
900x3300	11	Grey	1	115-1228
900x3600	11	Grey	1	115-1229
900x3900	11	Grey	1	115-1230
900x4200	11	Grey	1	115-1231
900x4500	11	Grey	1	115-1232
900x4800	11	Grey	1	115-1233
900x5100	11	Grey	1	115-1234
900x5400	11	Grey	1	115-1235
900x5700	11	Grey	1	115-1236
900x6000	11	Grey	1	115-1237
1200x1200	11	Grey	1	115-1238
1200x1500	11	Grey	1	115-1239
1200x1800	11	Grey	1	115-1240
1200x2100	11	Grey	1	115-1241
1200x2400	11	Grey	1	115-1242
1200x2700	11	Grey	1	115-1243
1200x3000	11	Grey	1	115-1244
1200x3300	11	Grey	1	115-1245
1200x3600	11	Grey	1	115-1246
1200x3900	11	Grey	1	115-1247
1200x4200	11	Grey	1	115-1248
1200x4500	11	Grey	1	115-1249
1200x4800	11	Grey	1	115-1254
1200x1800	11	Grey	1	115-1255
1200x5400	11	Grey	1	115-1256
1200x5700	11	Grey	1	115-1257
1200x6000	11	Grey	1	115-1258

## Cleanroom anti-fatigue mats, Ergomat Nitril



The Ergomat Nitril is made from pure nitrile rubber and is designed to increase comfort while reducing trip hazards, body pain, quality issues and sick leave. It is ideal for areas where heat, oil and petrochemical resistance is crucial. The smooth version is ideal for areas where trolleys and carts are used.

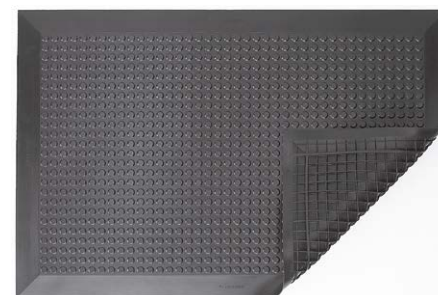
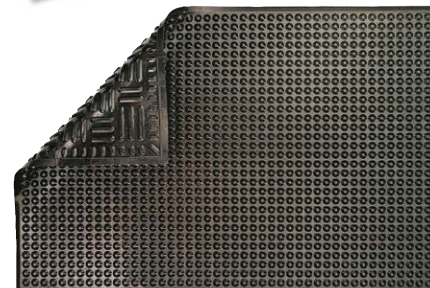
- Choice of smooth or coned upper surface
- Can be autoclaved (610x915 mm only) and features great antibacterial cleaning properties
- Chemical exposure will not affect the state of the mat; no curling up, swelling, or expanding
- Moulded, bevelled edges prevent curling, eliminating trip hazards
- Raw, virgin material guarantees durability and ergonomic benefits
- Free from silicone and latex

Suitable for use in Class ISO 5 (100) cleanrooms.

Colour: Black

Meets EN ISO/USDA/CFIA standards

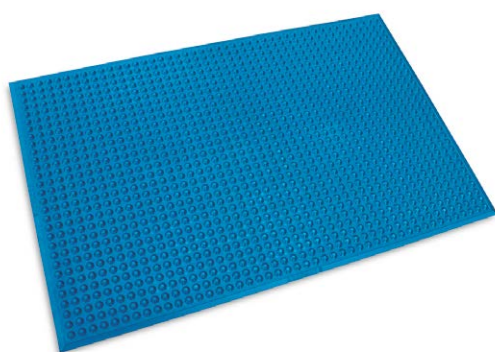
LxW (mm)	Thickness (mm)	Colour	Pk	Cat. No.
<b>Coned surface</b>				
914x610	11	Black	1	115-0865
1219x610	11	Black	1	115-2247
1219x915	11	Black	1	115-0869
1829x915	11	Black	1	115-0870
1829x1219	11	Black	1	115-0872
<b>Smooth surface</b>				
915x610	11	Black	1	115-0885
1600x910	11	Black	1	115-2248
1829x1219	11	Black	1	115-0892



## Cleanroom anti-fatigue mats, Ergomat Hygiene



Ergomat Hygiene is made from pure nitrile rubber and is designed to increase comfort while reducing trip hazards, body pain, quality issues and sick leave. It is ideal for areas where heat, oil and petrochemical resistance is crucial.



- Upper side with cones
- Can be autoclaved (610x915 mm only) at 100 °C for up to 5 minutes
- Frequent washes or chemical exposure will not affect the state of the mat; no curling up, swelling or expanding
- Moulded, bevelled edges prevent curling, eliminating trip hazards
- Raw, virgin material guarantee durability and ergonomic benefits
- Free from silicone and latex

Suitable for use in Class ISO 5 (100) cleanrooms.

Colour: Blue, green, grey or red

Meets EN ISO/USDA/CFIA standards

LxW (mm)	Thickness (mm)	Colour	Pk	Cat. No.
600x900	11	Blue	1	115-0855
600x900	11	Grey	1	115-0825
600x900	11	Green	1	115-0845
600x900	11	Red	1	115-0835
600x1200	11	Blue	1	115-1906
600x1200	11	Grey	1	115-1920
600x1200	11	Green	1	115-1907
600x1200	11	Red	1	115-1927
1200x900	11	Blue	1	115-0859
1200x900	11	Grey	1	115-0829

LxW (mm)	Thickness (mm)	Colour	Pk	Cat. No.
1200x900	11	Green	1	115-0849
1200x900	11	Red	1	115-0839
1800x900	11	Blue	1	115-0860
1800x900	11	Grey	1	115-0830
1800x900	11	Green	1	115-0850
1800x900	11	Red	1	115-0840
1200x1800	11	Blue	1	115-0862
1200x1800	11	Grey	1	115-0832
1200x1800	11	Green	1	115-0852
1200x1800	11	Red	1	115-0842



## Fire blankets

Made from a composite material including two plies of glass fibre matting and one layer of flame-retardant foil. For extinguishing and smothering relatively small fires. Environmentally friendly, these blankets contain no asbestos.

- Heat resistant up to 550 °C
- Safe, dust-free storage in a covered plastic box labelled in three languages (German, English, French)
- Can be wall mounted
- Unfolds quickly with two ripcords

BS EN 1869

Description	LxW (mm)	Pk	Cat. No.
Fire blanket	1200x1200	1	<b>118-1105</b>
Fire blanket	1200x1800	1	<b>118-1106</b>
Fire blanket (for Scandinavia)	1200x1200	1	<b>118-1107</b>

## First aid station

This first aid station has a transparent door with rubber edges, which protects against dust and dirt, thus making the equipment more hygienic and always ready for use. The station also features first aid instructions that are easy to follow. In addition, there are clear instructions on each product package.

- Adhesive bandages (plasters) and wound cleansers are placed in dispensers for easy access and theft-proof storage
- Plasters simply need to be pulled downwards, which avoids getting any dirt or blood on other areas
- Transparent door makes it easy to see when a refill of any product is needed
- Plaster refills and the wound cleanser dispenser are locked in order to avoid unnecessary waste (key is included)
- Space for additional products is provided behind a lid with first aid instructions

### Contents:

2x Cederroth 4-in-1 Bloodstopper dressings  
 3x Cederroth 4-in-1 mini Bloodstopper dressings  
 1x Cederroth Protection Kit (aids in mouth-to-mouth resuscitation)  
 1x Salvequick plaster dispenser, including 45 sterile plastic plasters and 40 sterile fabric plasters  
 2x 20 Salvequick wound cleansers  
 1x 2 Burn gel dressings  
 1x Eye & wound cleansing spray  
 First aid instructions  
 Refill key

Colour: Green

WxDxH (mm): 290x120x560



Description	Pk	Cat. No.
First aid station, for wall mounting	1	118-0276

Description	Pk	Cat. No.
<b>Accessories</b>		
CPR protection kit, incl. mask, gloves and skin cleanser, packed in printed box	1	118-0024
Salvequick cleaning wipes refill box, incl. 20 pcs sterile wound cleansers (110x120 mm)	20	118-0250
Eye and wound cleansing spray, aluminium bottle filled with 150 ml sterile 0,9% sodium chloride	1	118-0247
Bloodstopper, 2 bandages (10 cm x 3 m) and 1 pad (14x23 cm)	1	118-0018
Mini Bloodstopper, for injuries to fingers and toes, 1 bandage (6 cm x 3 m) and 1 pad (8x12 cm)	1	118-0022
Burn gel dressing, 100x100 mm	2	118-0224
<b>Fabric plasters</b>		
Salvequick fabric plasters refill, incl. 40 sterile plasters (24 pcs 72x19 mm and 16 pcs 72x25 mm), UK/Ireland	6	118-0060
Salvequick fabric plasters refill, incl. 40 sterile plasters (24 pcs 72x19 mm and 16 pcs 72x25 mm)	6	118-0027
Salvequick XL fabric plasters refill, incl. 15 sterile plasters (87x58 mm)	6	118-0028
Salvequick XL fabric plasters refill, incl. 21 sterile plasters (14 pcs 80x30 mm and 7 pcs 80x60 mm)	6	118-0030
<b>Plastic plasters</b>		
Salvequick plastic plasters refill, incl. 45 sterile plasters (27 pcs 72x19 mm and 18 pcs 72x25 mm), UK/Ireland	6	118-0059
Salvequick plastic plasters refill, incl. 45 sterile plasters (27 pcs 72x19 mm and 18 pcs 72x25 mm)	6	118-0026
<b>Detectable plasters</b>		
Salvequick blue detectable plasters, incl. 35 sterile plasters (21 pcs 72x19 mm and 14 pcs 72x25 mm)	6	118-0031
Salvequick blue detectable plasters, fingertip/regular, incl. 30 sterile plasters (15 pcs 63x39 mm and 15 pcs 72x19 mm)	6	118-0032

## First aid and burn station

This first aid station, made of polystyrene and ABS-plastic, is especially suitable for workplaces where there is a risk of burns.

- All products are easily available and protected against dust and moisture by transparent lids
- Space for additional products is provided behind a lid with first aid instructions
- Adhesive bandages (plasters) and wound cleansers are placed in dispensers for easy access and theft-proof storage
- A special key is provided for refill replacement

### Contents:

2x 4-in-1 bloodstopper dressings  
 3x 4-in-1 Mini bloodstopper dressings  
 2x Burn gel dressing (2 pcs.)  
 2x Burn gel spray  
 1x Salvequick blue detectable plasters, regular, in dispenser  
 1x Salvequick blue detectable plasters, regular/fingertip, in dispenser  
 1x Soft foam bandage, blue, in dispenser  
 1x Salvequick wound cleanser (20 pcs.)  
 1x Breathing mask  
 First aid instruction (label)  
 Key to dispensers  
 Refill instruction with drill template

Colour: Green

WxDxH (mm): 290x120x560



Description	Pk	Cat. No.
First aid and burn station	1	118-0278



200 ml

## Eyewash solution

Sterile sodium chloride solution (0,9%) in an eyewash bottle with eye cup and dust cap. Helps prevent foreign bodies (such as metal and wood chips) from sticking to the eye and causing serious eye injury.



- Ergonomically-formed eye cup fits the eye and enables gentle and even rinsing
- 200 ml bottle particularly suitable for mobile use, such as in tool boxes or first aid kits
- Can be used to refill Plum eyewash stations
- No maintenance and cleaning of bottles required
- Bottles in single carton: Carton protects the bottles from external contaminations and can be opened quickly and easily via the perforation

Rinsing time: ~2 minutes per 200 ml, 5 minutes per 500 ml

Shelf life: 3 years

According to DIN EN 15154-4



Description	Pk	Cat. No.
Eyewash solution, 200 ml, bottle	1	118-1703
Eyewash solution, 200 ml, bottle in single carton	1	118-0478
Eyewash solution, 500 ml bottle	1	118-1700
Eyewash solution, 500 ml, bottle in single carton	1	118-0476

Description	Pk	Cat. No.
<b>Accessories</b>		
Belt bag for 200 ml eyewash bottles	1	118-1704
Green wall-mountable holder for 200 and 500 ml eyewash bottles	1	118-1711



## Eyewash stations with two bottles

Available as either an open station or closed and dust-proof wall box containing 2x500 ml Plum eyewash bottles.

- Can be easily installed close to the workplace
- Open station with mirror and pictogram, wall box with mirror and eye wash sign
- Open station not suitable for very dusty or dirty workplaces

Rinsing time: ~10 minutes

WxDxH open station: 230x80x290 mm

WxDxH boxed station: 227x110x265 mm

Description	Pk	Cat. No.
Open eyewash station with 2x500 ml eyewash	1	118-1705
Dust-proof eyewash box with 2x500 ml eyewash	1	118-1702





## Eyewash station and box

Available as either an open station or closed and dust-proof wall box containing 200 ml pH Neutral and 500 ml Plum eyewash. Especially suitable where there is a risk of eye injuries from acids or alkalis.

- Open station with mirror and pictogram
- Wall box with mirror and eye wash sign
- Wall box ideal for dusty and dirty production areas

Rinsing time: ~2 minutes for pH Neutral, 5 minutes for eyewash

Shelf life: 3 years

WxDxH open station: 230x80x290 mm

WxDxH wall box: 227x110x265 mm

Description	Pk	Cat. No.
Open eyewash station with 2 bottles (200/500 ml) of eyewash, incl. eyewash plan in German/French	1	118-1708
Eyewash box with 2 bottles (200/500 ml) of eyewash, incl. eyewash plan in German/French	1	118-1709

Description	Pk	Cat. No.
<b>Accessories</b>		
Eyewash solution, 500 ml bottle	1	118-1700



We Set Science in Motion to Create a Better World.

From breakthrough discovery to agile delivery of innovative products and services, Avantor® and VWR are one company.

Our shared vision: to be your trusted partner, providing discovery-to-delivery solutions for our global life sciences and advanced technology customers.

Learn more about our new company at  
[www.SettingScienceinMotion.com](http://www.SettingScienceinMotion.com)

©2018 Avantor Performance Materials, LLC All rights reserved.

### Austria

VWR International GmbH  
Graumannsgasse 7  
1150 Wien  
Tel.: +43 1 97 002 0  
Email: info.at@vwr.com

### Belgium

VWR International bvba  
Researchpark Haasrode 2020  
Geldenaaksebaan 464  
3001 Leuven  
Tel.: +32 (0) 16 385 011  
Email: vwr.be@vwr.com

### Czech Republic

VWR International s. r. o.  
Veetee Business Park  
Pražská 442  
CZ - 281 67 Stříbrná Skalice  
Tel.: +420 321 570 321  
Email: info.cz@vwr.com

### Denmark

VWR International A/S  
Tobaksvejen 21  
2860 Søborg  
Tel.: +45 43 86 87 88  
Email: info.dk@vwr.com

### Finland

VWR International Oy  
Valimotie 9  
00380 Helsinki  
Tel.: +358 (0) 9 80 45 51  
Email: info.fi@vwr.com

### France

VWR International S.A.S.  
Le Périgares – Bâtiment B  
201, rue Carnot  
94126 Fontenay-sous-Bois cedex  
Tel.: 0 825 02 30 30\* (national)  
Tel.: +33 (0) 1 45 14 85 00 (international)  
Email: info.fr@vwr.com  
\* 0,18 € TTC/min

### Germany

VWR International GmbH  
Hilpertstraße 20a  
D - 64295 Darmstadt  
Tel.: 0800 702 00 07\* (national)  
Tel.: +49 (0) 6151 3972 0 (international)  
Email: info.de@vwr.com  
\*Freecall

### Hungary

VWR International Kft.  
Simon László u. 4.  
4034 Debrecen  
Tel.: +36 52 521130  
Email: info.hu@vwr.com

### Ireland / Northern Ireland

VWR International Ltd / VWR International  
(Northern Ireland) Ltd  
Orion Business Campus  
Northwest Business Park  
Ballycoolin  
Dublin 15  
Tel.: +353 (0) 1 88 22 222  
Email: sales.ie@vwr.com

### Italy

VWR International S.r.l.  
Via San Giusto 85  
20153 Milano (MI)  
Tel.: +39 02 3320311  
Email: info.it@vwr.com

### The Netherlands

VWR International B.V.  
Postbus 8198  
1005 AD Amsterdam  
Tel.: +31 (0) 20 4808 400  
Email: info.nl@vwr.com

### Norway

VWR International AS  
Haavard Martinsens vei 30  
0978 Oslo  
Tel.: +47 22 90 00 00  
Email: info.no@vwr.com

### Poland

VWR International Sp. z o.o.  
Limbowa 5  
80-175 Gdansk  
Tel.: +48 58 32 38 200  
Email: info.pl@vwr.com

### Portugal

VWR International -  
Material de Laboratório, Lda  
Centro Empresarial de Alfragide  
Rua da Indústria, nº 6  
2610-088 Alfragide  
Tel.: +351 21 3600 770  
Email: info.pt@vwr.com

### Spain

VWR International Eurolab S.L.  
C/ Tecnología 5-17  
A-7 Llinars Park  
08450 - Llinars del Vallès  
Barcelona  
Tel.: +34 902 222 897  
Email: info.es@vwr.com

### Sweden

VWR International AB  
Fagerstagatan 18a  
163 94 Stockholm  
Tel.: +46 (0) 8 621 34 00  
Email: kundservice.se@vwr.com

### Switzerland

VWR International GmbH  
Lerzenstrasse 16/18  
8953 Dietikon  
Tel.: +41 (0) 44 745 13 13  
Email: info.ch@vwr.com

### UK

VWR International Ltd  
Customer Service Centre  
Hunter Boulevard - Magna Park  
Lutterworth  
Leicestershire  
LE17 4XN  
Tel.: +44 (0) 800 22 33 44  
Email: uksales@vwr.com

### China

VWR International China Co., Ltd.  
Shanghai Branch  
Room 256, No. 3058 Pusan Road  
Pudong New District  
Shanghai 200123  
Tel.: +86 21 5898 6888  
Email: info\_china@vwr.com

### India

VWR Lab Products Private Limited  
No.139, BDA Industrial Suburb,  
6th Main, Tumkur Road, Peenya Post,  
Bangalore, India – 560058  
Tel.: +91 80 28078400  
Email: vwr\_india@vwr.com

### Singapore

VWR Singapore Pte Ltd  
18 Gul Drive  
Singapore 629468  
Tel.: +65 6505 0760  
Email: sales.sg@vwr.com

GO TO **VWR.COM** FOR THE  
LATEST NEWS, SPECIAL OFFERS  
AND DETAILS FROM YOUR  
LOCAL VWR SUPPORT TEAM