



**Protect  
and certify  
safety**

# Help minimise your risk to chemical exposure

From stock-keepers to waste disposal personnel, chemotherapy drugs must be handled by numerous staff members through the product life cycle.

Handling chemotherapy drugs brings risk, such as cancer inducement through normal tissue damage. This comes as a result of frequent exposure to the cytotoxic products and drugs that target cancer cells in order to kill them.

This exposure can occur in many places in the hospital: radio-imaging, operating theatres, sterilisation areas, chemotherapy preparation and patient rooms. Staff training and special products developed to best handle these risks make up the standardised approach for managing these spaces and substances. Therefore, it is essential that your facility is prepared to protect these staff members by properly outfitting them for the harmful agents they will encounter.



**12.7 million**  
healthcare workers in Europe  
are potentially exposed to  
hazardous drugs annually.<sup>1</sup>

Exposure to hazardous  
drugs produces more than

**2,220**  
new leukaemia cases in  
Europe alone each year.<sup>2</sup>



Medline is dedicated to ensuring a high quality of life for both patients and facility staff. That's why we have developed specific product lines to protect those who come in contact with these harmful agents. To be considered a chemotherapy protection product, each item must be:

- Certified as personal protective equipment (PPE) Category III
- Tested in critical zones for resistance to chemotherapy under European directive EN 14605: 2005+A1:2009 Type {PB} - 4.

However, we strive to provide your staff protection beyond the basic requirements by testing chemotherapy drugs on our entire product range, in both critical and non-critical areas. We understand that full, certified coverage, with impervious materials such as polyethylene film or trilaminate fabrics, is essential in providing the level of protection necessary for exposure to these types of chemicals.



# What does chemotherapy protection look like?

All of our surgical gloves are tested for use with at least 11 chemotherapy drugs, and the vast majority of our portfolio is tested for use with at least 24 chemotherapy drugs.

Our certified Prevention Plus surgical gown protects against cytotoxic drugs.

Feet are splash protected with Prevention Plus boot covers.



*Gowns, gloves and boot covers are tested against the drugs listed on page 6.*

# The solution that anticipates your needs

Medline offers the following sterile and non-sterile products that can be used in multiple combinations to meet your hospital's unique chemotherapy protection needs.

## Gowns

### Surgical gowns

Prevention Plus surgical gowns offer dual-certified (MDD and PPE), improved technology with a three-layer material that provides a high level of fluid protection *and* protection against chemotherapy drugs.\* The use of a fully trilaminar material, along with knitted cuffs and a hook-and-loop closure, not only guarantees fit and comfort for the wearer but also offers complete protection in both the critical and non-critical areas on the gown. The sterile gown can be used for HIPEC surgeries and in the clean room for drug compounding and containment.

EN14605:2005+  
At: 2009 Type PB [4]



Item number	Description	Packaging
DYNJPE2301P	Surgical gown, chemotherapy, blue, L, 114 cm, sterile	24/cs, with wrap and towels (2)
DYNJPE2302P	Surgical gown, chemotherapy, blue, XL, 142 cm, sterile	24/cs, with wrap and towels (2)
598CE	Sleeves, chemotherapy, blue, 14 x 62 cm, sterile	80/cs

### Isolation gowns

Prevention Plus isolation gowns are certified as PPE Category III Type PB [4] for partial body protection according to PPE Regulation 2016:425 and are tested against various common chemotherapy drugs.\* The Prevention Plus material is very comfortable due to its breathable properties. The gowns are equipped with a hook-and-loop neck closure, knit cuffs and waist ties to remain securely in place during use.

Item number	Description	Packaging
NONE27457	Isolation gown, chemotherapy, blue, knit cuffs, L	10/bag, 30/cs
NONE27457XL	Isolation gown, chemotherapy, blue, knit cuffs, XL	10/bag, 30/cs

## Gloves

### Surgical gloves

Medline's surgical gloves are MDD and PPE certified, ensuring protection for the patient and surgeon. We offer a diverse portfolio with a glove for every need, including latex- and accelerator-free options, and all of our gloves are tested for use with chemotherapy drugs.

ASTM D6978

Item number	Description	Size
MSG54xx	Sterile surgical glove, latex, PF	5.5 – 9 (half sizes available)
MSG65xx	Sterile surgical glove, synthetic, neoprene, PF	5.5 – 9 (half sizes available)
MSG90xx	Sterile surgical glove, polyisoprene, PF	5.5 – 9 (half sizes available)
MSG92xx	Sterile surgical glove, LF, PF	5.5 – 9 (half sizes available)

### Exam gloves

Medline offers a variety of exam gloves for every need. Our nitrile gloves are high quality and come in innovative packaging with colour-coded sizing and MicroStop film to reduce waste. Restore gloves have a layer of colloidal oatmeal to help prevent irritant contact dermatitis.

Item number	Description	Size
48680x	Nitrile exam glove, SensiCare Ice	XS, S, M, L, XL
OAT-X	Nitrile exam glove, Restore PF	XS, S, M, L, XL

\*For a complete list of chemotherapy drugs tested on gowns, gloves and boot covers, please consult page 6 as well as related labels and instructions for use.

## Boot covers

Manufactured from Prevention Plus material, Medline's single-use impervious boot covers offer increased durability and performance, and help protect against chemotherapy drugs by covering the shoe and leg all the way up to the knee. They also feature a solid bottom that is resistant to tears. Additionally, users can easily adjust the boot for the best possible fit thanks to the convenient hook-and-loop closure. These seamless boot covers reduce the risk of falling thanks to the foam strips on the bottom that provide excellent traction.

Item number	Description	Packaging
NONE27348PXL	Boot covers, blue, XL	50/box, 150/cs

EN14605:2005+  
At: 2009 Type PB [4]



## Chemotherapy gowns are tested against the following chemotherapy drugs per ASTM F739-12:

- Dacarbazine
- Carmustine (BiCNU)
- Cyclophosphamide (Cytoxan)
- Doxorubicin hydrochloride
- 5-Fluorouracil
- Cisplatin
- Etoposide (Toposar)
- Paclitaxel (Taxol)
- Thiotepa
- Mitomycin C
- Vincristine sulfate.

*Medline's chemotherapy gowns are additionally tested in accordance with EN 14126:2003 Type PB[4]-B for certified protection against infective agents, including viruses.*

## Chemotherapy gloves are tested against the following chemotherapy drugs:

- Blenoxane, 15 mg/ml (15,000 ppm)
- Busulfan, 6 mg/ml (6,000 ppm)
- Carmustine (BiCNU), 3.3 mg/ml (3,300 ppm)
- Cisplatin, 1 mg/ml (1,000 ppm)
- Cyclophosphamide (Cytoxan), 20 mg/ml (20,000 ppm)
- Cytarabine, 100 mg/ml (100,000 ppm)
- Dacarbazine (DTIC), 10 mg/ml (10,000 ppm)
- Doxorubicin hydrochloride, 2 mg/ml (2,000 ppm)
- Ellence, 2 mg/ml (2,000 ppm)
- Etoposide (Toposar), 20 mg/ml (20,000 ppm)
- Fludarabine, 25 mg/ml (25,000 ppm)
- Fluorouracil, 50 mg/ml (50,000 ppm)
- Idarubicin, 1 mg/ml (1,000 ppm)
- Ifosfamide, 50 mg/ml (50,000 ppm)
- Mechlorethamine HCl, 1 mg/ml (1,000 ppm)
- Melphalan, 5 mg/ml (5,000 ppm)
- Methotrexate, 25 mg/ml (25,000 ppm)
- Mitomycin C, 0.5 mg/ml (500 ppm)
- Mitoxantrone, 2 mg/ml (2,000 ppm)
- Paclitaxel (Taxol), 6 mg/ml (6,000 ppm)
- Paraplatin, 10 mg/ml (10,000 ppm)
- Rituximab, 10 mg/ml (10,000 ppm)
- Thiotepa, 10 mg/ml (10,000 ppm)
- Trisenox, 0.1 mg/ml (100 ppm)
- Vincristine sulfate, 1 mg/ml (1,000 ppm).

*Test data is available on request.*

## Additional coverage

Select below your ideal product combination. Include a cap, a shield, glasses and a respirator for optimal coverage for your staff in high-risk chemotherapy environments.

### Headwear and eye protection\*

Medline's Comfort line of single-use, non-sterile bouffant caps are manufactured from a soft and breathable cluster keyback material with a latex-free elastic band, and are ideal headwear for a high level of comfort. This light and roomy cap with a round shape fully covers all hair while the latex-free elastic band ensures that the cap sits comfortably on the forehead.

Item number	Description	Packaging
FS61300	Bouffant cap, cluster keyback, green	100/box, 600/cs
FS61350	Bouffant cap, cluster keyback, blue	100/box, 600/cs

Medline's single-use face shields and reusable EN166 certified safety glasses provide optimal protection for the wearer's eyes and face against splashes. The user is afforded maximum visibility due to the anti-fog properties of these products.



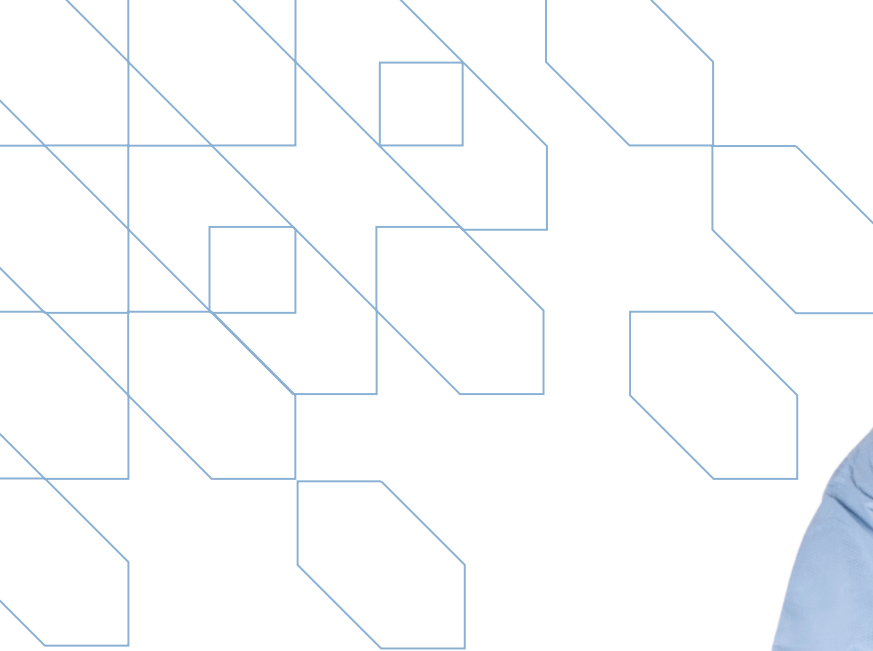
Item number	Description	Packaging
250-99-0920-EN	Safety glasses with anti-fog treatment, single lens with wide view and moulded nose for comfort, can be worn over prescription glasses, to be used in combination with NONEFS500 face shield for optimal protection	12/box, 144/cs
250-13-0020-EN	Safety glasses with anti-fog treatment, single lens with wide view and moulded nose for comfort, to be used in combination with NONEFS500 face shield for optimal protection	12/box, 144/cs
NONEFS500	Disposable face shield with anti-glare coating, full length, elastic anti-fog foam strap, to be used in combination with 250-99-0920-EN or 250-13-0020-EN for full coverage	96/cs

### Respirators\*

Providing ultimate protection for wearers, Medline's respirators offer optimal breathability for comfort and EN149 certified protection against airborne particles and pathogens. Valve masks are available to enhance comfort and breathability when worn for longer periods.

Item number	Description	Packaging
NONE24508	FFP2 respirator mask, flat-folded, polypropylene and polyester interior and exterior, dual elastic headbands, white	20/box, 240/cs
AJ-02	FFP3 respirator mask, vertical flat fold, polypropylene interior and exterior, dual elastic headbands, white, single-packed	25/box, 500/cs
NONE24510VF	FFP3 respirator mask with valve, flat-folded, polypropylene and polyester interior and exterior, expiration valve, dual elastic headbands, white	10/box, 120/cs



\*Please consult manufacturer recommendations in the instructions for use as well as local recommendations before considering the use of the above-listed products in chemotherapy environments, as this can vary by country.



**For more information**, please contact your Medline account manager or visit our website: [www.medline.eu/uk](http://www.medline.eu/uk)



**Medline Industries Ltd**  
3rd Floor  
Quayside Wilderspool Business Park  
Greenalls Avenue  
Warrington WA4 6HL  
United Kingdom  
Tel.: +44 844 334 5237  
Fax: +44 844 334 5238  
[www.medline.eu/uk](http://www.medline.eu/uk)  
[uk-customerservice@medline.com](mailto:uk-customerservice@medline.com)

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<sup>1)</sup> [https://www.theparliamentmagazine.eu/articles/partner\\_article/efn/preventing-exposure-nurses-and-health-professionals-hazardous-drugs](https://www.theparliamentmagazine.eu/articles/partner_article/efn/preventing-exposure-nurses-and-health-professionals-hazardous-drugs)

<sup>2)</sup> <https://www.epsu.org/article/working-towards-better-prevention-and-protection-those-working-hazardous-drugs>

Medline surgical gowns and sleeves are class I sterile medical devices.  Medline International France SAS  
5 Rue Charles Lindbergh  
44110 Châteaubriant, France  2797 (BSI NL)

Surgical gloves are class IIa medical devices.  Medline International France SAS  
5 Rue Charles Lindbergh  
44110 Châteaubriant, France  2797 (BSI NL)

Exam gloves, boot covers and headwear are class I non-sterile medical devices.  Medline International France SAS  
5 Rue Charles Lindbergh  
44110 Châteaubriant, France 

Surgical gowns, sleeves, surgical gloves, exam gloves, boot covers and headwear are intended to be used by healthcare professionals. Before use, consult instructions and precautions on the corresponding labelling.

We reserve the right to correct errors that may occur in this brochure.

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