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Neither this document nor any other statement made herein by or on behalf of Ansell should be construed as a warranty of merchantability or that any Ansell product is fit for a particular purpose. Ansell assumes no responsibility for the suitability or adequacy of an end user’s selection of product for a specific application.

Warning: No glove provides complete protection against all chemicals. Users must test the gloves against the particular chemicals and environment in which they will be used.

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The extensive range of BioClean cleanroom consumables is used in more than 80 countries, supplied through an established global network of dedicated professionals. Time after time, our reputation as a supplier of high quality cleanroom products is demonstrated by our ability to deliver innovative solutions to meet the most exacting requirements of controlled and critical environments.

BioClean products are part of world leading manufacturer Ansell Limited’s Life Sciences Solutions portfolio. Offering the largest range of gloves under one brand, disposable garments providing head-to-toe protection, a selection of autoclavable or single use goggles, chemo safety wear for critical extra protection, facemasks suitable for all controlled environments and a comprehensive choice of essential accessories.

We’re in total control of the entire manufacturing process, adhering to stringent quality systems, meeting rigorous ISO and EN regulations and maintaining continuously high standards. All BioClean products are processed and packed in an ISO Class 4 or 5 cleanroom ensuring our products are pristine to make certain your people, products and processes stay protected.
Our Ranges

Billy BioClean
the King of Disposable Garments...

BioClean-D garments are specially designed and manufactured from lightweight, low-linting material. They provide an excellent combination of both comfort and protection. The BioClean-D range provides full head-to-toe coverage in various combinations of coveralls, hoods, sleeve covers, lab coats and overboots, and is available in both sterile and non-sterile to suit all controlled environments. This ISO Class 4 Compatible series is one of the most tested on the market today, providing your operators with full head-to-toe coverage... and total peace of mind.

Mr. & Mrs. Phil Trayshon
the Ultra-Clean Face Coverage Team...

When choosing a cleanroom facemask, we know that finding the balance between performance and comfort is a key consideration. The BioClean range of sterile and non-sterile cleanroom facemasks and veils provides the most comprehensive choice of face coverage when it comes to protecting your products and processes. Whether you need an extra-wide breathing chamber to provide full face coverage, or a light face veil for less critical applications, you can breathe easy... we have the facemask you need.

Ms. G. Love
the Mother of all Cleanroom Gloves...

Within the extensive BioClean range of cleanroom gloves there is a product ideally suited to your particular needs, be it medical supplies, personal protection or cleanroom. Our vast experience and expertise in life science cleanroom environments ensure that the range of sterile and non-sterile ISO Class 4 & 5 compatible gloves offers extreme comfort, strength and tactility. Not only are they available in a choice of lengths to provide complete protection, they are also manufactured in a wide variety of materials to suit individual preferences and applications. To complement the glove range we now have a range of sterile isolator and Restricted Access Barrier System (RABS) gauntlets and sleeves designed for use in highly controlled environments.

Lens Gogglestrong
Clearly Focused on Product Protection...

Gamma or EtO single use? Autoclavable or VHP reusable? Designed with your SOP and operators in mind, disposable and reusable goggle inserts from BioClean’s Clearview range are manufactured from strong, lightweight and comfortable cleanroom compatible materials in a choice of styles. Both autoclavable and single use goggles have anti-fog systems, optically correct toughened lenses and indirect ventilation systems. They are suitable for those who wear glasses and are 100% latex-free.

To ensure the highest quality, every pair of BioClean Clearview goggles is individually inspected. They are suitable for cleanroom use and also as safety goggles where personal protection is required.
Cleanroom Consumable Selection Criteria

Selection of your products will depend on a whole host of factors. Some questions which need to be asked are:

- Do I need sterile or non-sterile products?
- What class is my cleanroom?
- How many wearers do I have?
- Do I need reusable or disposable garments?

These are the basic questions that need to be addressed and are of vital importance. Once answered, you can then explore the more granular requirements of compatibility, certification and validation of the products needed to ensure your processes are kept intact.

BioClean products are designed for controlled environments where the focus is to eliminate contamination risk and improve our customers’ yields.

We produce in our own ISO Class 4 & Class 5 Cleanrooms and hold ISO 9001:2008 certification.

We provide the highest quality products to meet the stringent requirements of the pharmaceutical, life sciences and microelectronics industries.

Cleanroom Classification

In our manufacturing and processing facility we operate two state-of-the-art cleanrooms, an ISO Class 4 (Federal Class 10) and an ISO Class 3 (Federal Class 100).

The classification numbers are defined by the International Standard ISO 14644-1. The table below is reproduced from the Standard and shows the level of cleanliness associated with each number.

All BioClean products are processed, washed and packed in our ISO Class 4 or ISO Class 5 cleanrooms. Whilst the table below shows the requirements for particle limits for various sized particles ranging from 0.1 μm to 5 μm, the industry standard looks at particle levels at 0.5 μm.

The table below shows that in our ISO Class 4 cleanroom, we are allowed no more than 352 particles of size 0.5 μm per cubic metre, and for our ISO Class 5, this increases to 3520 particles of size 0.5 μm per cubic metre. To put this into perspective the average human hair is 150 times thicker than the particles we are measuring, and the average cubic metre of air outside your office has over 10 million particles of this size!

Some cleanroom operators refer to their cleanrooms as ‘Class 10’ or ‘Class 100’ using the American classification standard FED-STD-209E, which denotes the number of particles of size 0.5 μm or larger permitted per cubic foot of air (as opposed to cubic metre). The final column of the table below shows the US classifications that are comparable to the ISO standard classifications.

<table>
<thead>
<tr>
<th>ISO classification number (N)</th>
<th>Maximum allowable concentrations (particles/m³) for particles equal to and greater than the considered sizes shown below</th>
<th>FED-STD-209E</th>
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<tr>
<td>ISO Class 1</td>
<td>10</td>
<td>100</td>
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<td>ISO Class 2</td>
<td>24</td>
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<td>ISO Class 3</td>
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<td>ISO Class 8</td>
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</tr>
<tr>
<td>ISO Class 9</td>
<td>2,370</td>
<td>10,200</td>
</tr>
</tbody>
</table>

Independent Certification of our Cleanrooms at Nitritex (M) Sdn. Bhd.

Independent testing of the cleanrooms is performed annually (as outlined in ISO 14644-1) with the classifications attained and maintained as follows:

- Cleanroom 1: ISO Class 4
- Clean Corridor 1: ISO Class 4
- Cleanroom 2: ISO Class 5
- Clean Corridor 2: ISO Class 5
- Changing Room: ISO Class 6
- Carton Packing Room: ISO Class 7
- Disposable Garment Section: ISO Class 7

Quality Systems

BioClean products are manufactured under the controls imposed by our ISO 9001 certified Quality Management System. Our UK office hold Quality System Certification issued by Alcumus ISOQAR Ltd and our manufacturing and processing plant in Malaysia hold Quality System Certification issued by SGS United Kingdom Ltd.

We provide the highest quality products to meet the stringent requirements of the pharmaceutical, life sciences and microelectronics industries. Whenever BioClean products are designed to protect the wearer from specific hazards they are CE marked in accordance with the European Personal Protective Equipment Directive and are fully covered by Article 10 and Article 11 certification.

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Our website www.BioClean.com has a comprehensive search facility within each product section enabling you to find the exact product match for your requirements.

Whether it’s EN 374 for your gloves, PPE Cat 3 for your garments, ASTM D6978-05 for your chemo protective wear, or BFEs for your masks, you can be confident that we will have all the information you need, in the detail you need, with the backup you need, every time.

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Within the extensive BioClean range of cleanroom gloves there is a product ideally suited to your particular needs, be it for personal or product protection. Our vast experience and expertise in life science, medical device and microelectronics cleanroom environments ensures that our range of sterile and non-sterile ISO Class 4 & 5 compatible gloves offers extreme comfort, strength and tactility. Not only are they available in a choice of lengths to provide complete protection, but they are also manufactured in a wide variety of materials and colors to suit individual preferences and applications.

**Quality Systems, Testing & Packaging**

We pay particular attention to the specifications of our products to ensure they meet the exact requirements of our customers and all relevant regulations. We can only achieve total customer satisfaction by meeting those requirements, and do so by the rigorous implementation and maintenance of fully certified Quality Management Systems, both in the UK and at our manufacturing facility in Malaysia.

BioClean gloves are processed in our facility which holds ISO 9001:2008 certification and are washed and packed in our NEBB certified ISO Class 4 or ISO Class 5 cleanrooms.

The manufacturing, processing, inspection and packing, plus irradiation (where applicable) of our gloves, is fully certified and validated. To ensure ISO Class 4 and GMP Grade A compatibility, all BioClean cleanroom gloves undergo extensive washing with deionized water which has been UV treated.

All BioClean sterile cleanroom gloves are pair packed in plastic wallets and then in non-particulating Easy Tear pouches, making them easy to open and avoiding the introduction of particles commonly associated with peel pouches. BioClean sterile and non-sterile gloves are all double-bagged.

**Warning**: No glove provides complete protection against all chemicals. Users must test the gloves against the particular chemicals and environment in which they will be used.
Are my gloves suitable for use with cytotoxic (chemotherapy) drugs?
The BioClean Chemo Safety Wear range of gloves has been extensively tested, against the American standard ASTM D6978-05, for a range of cytotoxic drugs, measuring and recording excellent barrier performance using 0.01μg/cm²/min as the permeation limit - a level 100 times more stringent than under the more commonly used European test. Please see the Chemo Safety Wear section of this catalogue for further details on glove testing.

What is the difference between Type I and Type IV allergies?
Type I: The most serious and the rarest form, Type I is an immediate and potentially life threatening reaction, not unlike the severe reaction some people have to nuts or bee stings. This form of allergy is caused by a reaction to the protein in natural latex and can be acquired over a period of time due to prolonged contact with rubber products.
Type IV: Otherwise known as delayed type hypersensitivity. Allergic contact dermatitis is the main Type IV reaction exhibited as a result of continued exposure to gloves. This involves a delayed skin rash with blistering and oozing of the skin, and is usually attributed to the accelerators (certain chemicals added to the mixture) used in the gloves manufacturing process. All BioClean gloves are thoroughly washed in hot water to leach out the water soluble accelerators. However, for those that are super-sensitive to minute quantities of residual accelerators, we have products available that are 100% accelerator free.
STERILE GLOVES

Nitrile
Sensitive, soft and flexible with good puncture resistance and chemical protection. 100% latex-free, thereby avoiding the risk of latex allergies.

Are BioClean gloves antistatic?
BioClean nitrile, vinyl and polychloroprene gloves have been tested to EN 1149-1 and found to be suitable for use where antistatic characteristics are required. Further information can be supplied on request.

Why would I use a 16” (400mm) glove?
You would use a 16” (400mm) glove if protection up to elbow level was required or if there was concern that, with shorter gloves, there was a risk to the products from your skin being exposed between the glove and your sleeve.

Re-order Code Size Re-order Code Size
BEXS-60 6.0 BEXS-80 8.0
BEXS-65 6.5 BEXS-85 8.5
BEXS-70 7.0 BEXS-90 9.0
BEXS-75 7.5 BEXS-100 10.0

Re-order Code Size Re-order Code Size
BNPS-60 6.0 BNPS-80 8.0
BNPS-65 6.5 BNPS-85 8.5
BNPS-70 7.0 BNPS-90 9.0
BNPS-75 7.5 BNPS-100 10.0

Re-order Code Size Re-order Code Size
BENS-6.0 6.0 BENS-8.0 8.0
BENS-6.5 6.5 BENS-8.5 8.5
BENS-7.0 7.0 BENS-9.0 9.0
BENS-7.5 7.5 BENS-10.0 10.0

Re-order Code Size Re-order Code Size
BNMS-65 6.5 BNMS-85 8.5
BNMS-70 7.0 BNMS-80 8.0
BNMS-75 7.5 BNMS-90 9.0

BIOCLEAN EXCELL / BEXS
300mm / 12”
White
Sterile
Nitrile
Antistatic
Hand specific • Textured
Accelerator free
ISO Class 4 • EU GMP Grade A compatible
Complies with EN ISO 374, EN 420 & EN 455
20 bags of 10 pairs (200 pairs) per carton

BIOCLEAN N-PLUS / BNPS
400mm / 16”
White
Sterile
Nitrile
Antistatic
Hand specific • Textured
ISO Class 4 • EU GMP Grade A compatible
Tested to ASTM D 6978 • Complies with EN ISO 374, EN 420 & EN 455
20 bags of 10 pairs (200 pairs) per carton

BIOCLEAN EMERALD / BENS
300mm / 12”
Green
Sterile
Nitrile
Antistatic
Double-donnable
Hand specific • Textured
Accelerator free
ISO Class 4 • EU GMP Grade A compatible
Tested to ASTM D 6978 • Complies with EN ISO 374, EN 420 & EN 455
20 bags of 10 pairs (200 pairs) per carton

BIOCLEAN NITRAMAX / BNMS
600mm / 24”
White
Sterile
Nitrile
Antistatic
ISO Class 4 • EU GMP Grade A compatible
Complies with EN ISO 374, EN 420 & EN 455
10 bags of 10 pairs (100 pairs) per carton

BIOCLEAN EXCEL / BEXS
300mm / 12”
White
Sterile
Nitrile
Antistatic
Hand specific • Textured
Accelerator free
ISO Class 4 • EU GMP Grade A compatible
Complies with EN ISO 374, EN 420 & EN 455
20 bags of 10 pairs (200 pairs) per carton
Neoprene
A top of the range, stretchy, synthetic rubber with excellent resistance to many chemicals, a tough material but soft to the touch, wont irritate skin, thereby avoiding the risk of latex allergies.

BIOCLEAN HALFINGERS / S-BGHF

<table>
<thead>
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BIOCLEAN SUPRENE / BSNS

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BIOCLEAN ULTIMATE / BUPS

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Bioclean Fusion / S-BFAP

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<td>S-BFAP-6065</td>
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BIOCLEAN P-ZERO / BPZS

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<td></td>
<td>7.5</td>
<td>BPZS-75</td>
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Bioclean Fusion

Combines the best of latex with the best of nitrile, elasticity and comfort of latex, with the puncture resistance and chemical protection of nitrile. 100% latex-free, thereby avoiding the risk of latex allergies.
NON-STERILE GLOVES

BIOCLEAN SYNERGY / BSAN
- 200mm / 12"
- Green
- Non-Sterile
- Nitrile
- Antistatic
- Accelerator free
- Double-donnable
- Ambidextrous • Textured
- ISO Class 4 Compatible
- Complies with EN ISO 374, EN 420 & EN 455
- 10 bags of 100 pieces (1000 pieces) per carton

Re-order Code Size
BSAN-XS X-Small
BSAN-S Small
BSAN-M Medium

BIOCLEAN NERVA / BNAL
- 400mm / 16"
- White
- Non-Sterile
- Nitrile
- Antistatic
- Double-donnable
- Ambidextrous • Textured
- ISO Class 4 Compatible
- Complies with EN ISO 374, EN 420 & EN 455
- 10 bags of 100 pieces (1000 pieces) per carton

Re-order Code Size
BNAL-S Small
BNAL-M Medium
BNAL-L Large

BIOCLEAN BIOTAC / BIOTAC
- 300mm / 12"
- White
- Non-Sterile
- Nitrile
- Antistatic
- Ambidextrous • Finger-Textured
- ISO Class 4 Compatible
- Complies with EN ISO 374, EN 420 & EN 455
- 10 bags of 100 pieces (1000 pieces) per carton

Re-order Code Size
BIOTAC-XS X-Small
BIOTAC-S Small
BIOTAC-M Medium
BIOTAC-XL X-Large
BIOTAC-XXL XX-Large

* Size subject to minimum order quantity and lead time

BIOCLEAN NANO 4 / NAN4
- 300mm / 12"
- White
- Non-Sterile
- Nitrile
- Antistatic
- Ambidextrous • Finger-Textured
- ISO Class 5 Compatible
- Complies with EN ISO 374, EN 420 & EN 455
- 10 bags of 100 pieces (1000 pieces) per carton

Re-order Code Size
NAN4-XS* X-Small
NAN4-S Small
NAN4-M Medium
NAN4-L Large
NAN4-XL X-Large
NAN4-XXL XX-Large

* Size subject to minimum order quantity and lead time

BIOCLEAN NANO 5 / NANS
- 300mm / 12"
- White
- Non-Sterile
- Nitrile
- Antistatic
- Ambidextrous • Finger-Textured
- ISO Class 5 compatible
- Complies with EN ISO 374, EN 420 & EN 455
- 10 bags of 100 pieces (1000 pieces) per carton

Re-order Code Size
NANS-XS X-Small
NANS-S Small
NANS-M Medium
NANS-L Large
NANS-XL X-Large
NANS-XXL XX-Large

* Size subject to minimum order quantity and lead time
Vinyl

Leak fitting, comfortable, economical and still the preferred choice of many in the electronics industry. 100% latex-free, thereby avoiding the risk of latex allergies.

I am confused... some gloves are sold in Small, Medium & Large, others are 7.0, 7.5, 8.0 etc. Why?

Ambidextrous gloves (which fit either hand) are generally sold in Small, Medium, Large and Extra-Large sizes. Anatomical (hand-specific) gloves are sold in numeric sizes from 5.5 (smallest) through to 10.0 (largest) in increments of 0.5. Small = equal to 6.0-6.5, Medium = 7.0-7.5, Large = 8.0-8.5, X-Large = 9.0 and XX-Large = 10.0. Dimensions for both types are covered under the European Standards EN 455-2 and EN 420.

Can sterile surgical gloves be taken into a cleanroom?

This is not recommended. Cleanroom gloves should be powder-free, washed in deionized water and packed in a cleanroom in cleanroom compatible packaging to minimize contamination in your cleanroom environment. All BioClean gloves are suitable for cleanroom use.

---

### BIOCLEAN VECTOR / BVA-E

- **300mm / 12”**
- **Clear**
- **Non-sterile**
- **Vinyl**
- **Ambidextrous + Smooth**
- **ISO Class 4 Compatible**
- **10 bags of 100 pieces (1000 pieces) per carton**

<table>
<thead>
<tr>
<th>Re-order Code</th>
<th>Size</th>
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<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>BVA-E-S</td>
<td>Small</td>
<td>BVA-E-L</td>
<td>Large</td>
</tr>
<tr>
<td>BVA-E-M</td>
<td>Medium</td>
<td>BVA-E-XL</td>
<td>X-Large</td>
</tr>
</tbody>
</table>

### BIOCLEAN VISTA / BVA

- **300mm / 12”**
- **Clear**
- **Non-sterile**
- **Vinyl**
- **Ambidextrous + Smooth**
- **ISO Class 4 Compatible**
- **10 bags of 100 pieces (1000 pieces) per carton**

<table>
<thead>
<tr>
<th>Re-order Code</th>
<th>Size</th>
<th>Re-order Code</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>BVA-S</td>
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<td>Large</td>
</tr>
<tr>
<td>BVA-M</td>
<td>Medium</td>
<td>BVA-XL</td>
<td>X-Large</td>
</tr>
</tbody>
</table>

### BIOCLEAN FUSION / BFAP

- **290mm / 11.4”**
- **Green**
- **Non-sterile**
- **Polychloroprene**
- **Antistatic**
- **Double-donnable**
- **Ambidextrous + Textured**
- **ISO Class 4 Compatible**
- **Complies with EN ISO 374, EN 420 & EN 455**
- **10 bags of 100 pieces (1000 pieces) per carton**

<table>
<thead>
<tr>
<th>Re-order Code</th>
<th>Size</th>
<th>Re-order Code</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>BFAP-XS</td>
<td>X-Small</td>
<td>BFAP-S</td>
<td>Small</td>
</tr>
<tr>
<td>BFAP-M</td>
<td>Medium</td>
<td>BFAP-XL</td>
<td>X-Large</td>
</tr>
</tbody>
</table>

### BIOCLEAN LEGACY / BLA2

- **300mm / 12”**
- **Natural**
- **Non-sterile**
- **Latex**
- **Double-donnable**
- **Ambidextrous + Textured**
- **ISO Class 4 Compatible**
- **Complies with EN ISO 374, EN 420 & EN 455**
- **10 bags of 100 pieces (1000 pieces) per carton**

<table>
<thead>
<tr>
<th>Re-order Code</th>
<th>Size</th>
<th>Re-order Code</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLA200-XS</td>
<td>X-Small</td>
<td>BLA202-L</td>
<td>Large</td>
</tr>
<tr>
<td>BLA201-S</td>
<td>Small</td>
<td>BLA204-XL</td>
<td>X-Large</td>
</tr>
<tr>
<td>BLA202-M</td>
<td>Medium</td>
<td>BLA205-XL</td>
<td>XX-Large</td>
</tr>
</tbody>
</table>

### BIOCLEAN LEGION / BLA3

- **400mm / 16”**
- **Natural**
- **Non-sterile**
- **Latex**
- **Double-donnable**
- **Ambidextrous + Textured**
- **ISO Class 5 Compatible**
- **Complies with EN ISO 374, EN 420 & EN 455**
- **10 bags of 100 pieces (1000 pieces) per carton**

<table>
<thead>
<tr>
<th>Re-order Code</th>
<th>Size</th>
<th>Re-order Code</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLA301-S</td>
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<td>BLA302-L</td>
<td>Large</td>
</tr>
<tr>
<td>BLA302-M</td>
<td>Medium</td>
<td>BLA304-XL</td>
<td>XX-Large</td>
</tr>
</tbody>
</table>

---

20 non-sterile gloves

21 non-sterile gloves
BioClean-D garments are specially designed and manufactured from CleanTough lightweight low-linting white material. They provide an excellent combination of both comfort and protection with full head-to-toe coverage in various combinations of coveralls, hoods, sleeve covers, lab coats and overboots and are available in both sterile and non-sterile to suit all controlled environments. Our ISO Class 4 Compatible garment range is one of the most tested on the market today, providing your operators with full head-to-toe protection.

Quality Systems, Testing & Packaging

BioClean-D standard coveralls are Type 5 and 6 Category 3 compliant, which covers a wide range of tests including tear and puncture resistance, seam strength and resistance to liquids.

BioClean-D material is antistatic (EN1149-5 compliant) ensuring that any electrostatic build-up by the operator is dispersed safely.

BioClean-D garments have excellent Helmke Drum test results (this test method simulates particle shedding of garments under movement. Results are available on request) ensuring ISO Class 4 compatibility. Sterilization is by gamma irradiation to SAL $10^{-6}$.

The manufacturing, processing and packing takes place in our ISO Class 4 cleanroom and the sterilization of the BioClean-D garment range is fully certified and validated to ISO 11137.

BioClean-D garments are double bagged in non-particulating EasyTear bags making them easy to open and avoiding the introduction of particles into the cleanroom.
A new era of *aseptic donning*

- Sterile
- ISO Class 4 • EU GMP Grade A compatible
- Tested to ASTM F739-12
- Antistatic, low-linting BioClean-D CleanTough white fabric
- Thumb loops to ensure secure hold • Elasticated back, hood, cuffs and ankles • Quick release press stud tabs for touch-free donning
- 20 individually packed coveralls per carton (XXXL & XXXXL – 15 pieces per carton)

<table>
<thead>
<tr>
<th>Re-order Code</th>
<th>Size</th>
<th>Re-order Code</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-BDSH-XS</td>
<td>X-Small</td>
<td>S-BDSH-XL</td>
<td>X-Large</td>
</tr>
<tr>
<td>S-BDSH-S</td>
<td>Small</td>
<td>S-BDSH-XXL</td>
<td>XX-Large</td>
</tr>
<tr>
<td>S-BDSH-M</td>
<td>Medium</td>
<td>S-BDSH-XXXXL</td>
<td>XXX-Large</td>
</tr>
<tr>
<td>S-BDSH-L</td>
<td>Large</td>
<td>S-BDSH-XXXXL*</td>
<td>XXXX-Large</td>
</tr>
</tbody>
</table>

* Size subject to minimum order quantity and lead times.

** Please see BioClean-D sizing guide on Page 59.
BIOCLEAN-D COVERALL WITH HOOD AND INTEGRATED BOOTS / S-BDFC & BDFC

- Sterile & Non-sterile
- ISO Class 4 • EU GMP Grade A Compatible (Sterile)
- ISO Class 4 Compatible (Non-Sterile)
- Tested to ASTM F759-12
- PPE Category 2 Type 3 & 6
- Antistatic, low-linting BioClean-D CleanTough white fabric
- Thumb-loops to ensure secure hold • Zip with front cover • Slip-resistant soles • Elasticated back, hood, cuffs and ankles • Elasticated face opening with reinforced edges

Sterile: 20 individually packed coveralls per carton (XXXL & XXXXL – 15 pieces per carton)
Non-Sterile: 20 individually packed coveralls per carton (XXXL – 15 pieces per carton)

Sterile: S-BDFC-S • S-BDFC-M • S-BDFC-L • S-BDFC-XL • S-BDFC-XXL • S-BDFC-XXXL
Non-Sterile: S-BDFC-S • S-BDFC-M • S-BDFC-L • S-BDFC-XL • S-BDFC-XXL • S-BDFC-XXXL

*Size subject to minimum order quantity and lead time
** Please see BioClean-D sizing guide on Page 59

Protection from Head-to-Toe
BI OCLEAN-D COVERALL with HOOD
S-BDCHT & BDCHT

Comfort & Protection

Sterile & Non-sterile
ISO Class 4 • EU GMP Grade A Compatible (Sterile)
ISO Class 4 Compatible (Non-Sterile)

Tested to ASTM F739-12
PPE Category 3 Type 5 & 6

Antistatic, low-linting BioClean-D CleanTough white fabric

Thumbs loops to ensure secure hold • Zip with front cover • Elasticated back, hood, cuffs and ankles • Elasticated face opening with reinforced edges

20 individually packed coveralls per carton
([XXXL, XXXXL, 5XL, 6XL & 7XL – 15 pieces per carton]

Size**: Small Medium Large XXL-2XL XXXL XXXXL 5X-Large 6X-Large 7X-Large

*Size subject to minimum order quantity and lead time

**Please see BioClean-D sizing guide on Page 59.

Re-order Code Sterile Non-Sterile
S-BDCHT-S BDCHT-S
S-BDCHT-M BDCHT-M
S-BDCHT-L BDCHT-L
S-BDCHT-XL BDCHT-XL
S-BDCHT-XXL BDCHT-XXL
S-BDCHT-XXXL BDCHT-XXXL
S-BDCHT-XXXXL BDCHT-XXXXL
S-BDCHT-5XL BDCHT-5XL
S-BDCHT-6XL BDCHT-6XL
S-BDCHT-7XL BDCHT-7XL

S-BDCHT-5XL ** BDCHT-5XL **
S-BDCHT-6XL ** BDCHT-6XL **
S-BDCHT-7XL ** BDCHT-7XL **
S-BDCHT-XXXL ** BDCHT-XXXL **
S-BDCHT-XXXXL ** BDCHT-XXXXL **
Does the zip area give the same level of protection?
Yes - provided the garment is correctly worn. The zip has a protective flap of BioClean-D CleanTough white fabric which can be closed over the zip area when the zip has been pulled up. Double-sided tape on the reverse of the zip flap allows it to be secured in place so that it covers the zip completely and does not open up during movement.

Are the BioClean-D garments antistatic?
Yes, all BioClean-D garments are antistatic and meet the requirements of E/N 1149-5, they have a charge half decay time of <4 seconds.

BIOCLEAN-D COVERALL
with COLLAR
S-BDCT & BDCCT

Sterile & Non-sterile
ISO Class 4 • EU GMP Grade A Compatible (Sterile)
ISO Class 4 Compatible (Non-Sterile)
Tested to ASTM F739-12
PPE Category 3 Type 5 & 6
Antistatic, low-lining BioClean-D CleanTough white fabric
Thumb loops to ensure secure hold • Zip with front cover • Elasticated back, cuffs and ankles
20 individually packed coveralls per carton (XXXL, XXXXL, 5XL, 6XL & 7XL – 1.5 pieces per carton)

Re-order Code
Sterile
Non-Sterile
Size**
S-BDCT-S
BDCCT-S
Small
S-BDCT-M
BDCCT-M
Medium
S-BDCT-L
BDCCT-L
Large
S-BDCT-XL
BDCCT-XL
XX-Large
S-BDCT-XXL
BDCCT-XXL
XXX-Large
S-BDCT-XXXL
BDCCT-XXXL
XXXX-Large
S-BDCT-4XL
BDCCT-4XL
4XL-Large
S-BDCT-5XL
BDCCT-5XL
5XL-Large
S-BDCT-6XL
BDCCT-6XL
6XL-Large
S-BDCT-7XL
BDCCT-7XL
7XL-Large

* Size subject to minimum order quantity and lead time
** Please see BioClean-D sizing guide on Page 5.
Can non-sterile BioClean-D garments be sterilized?

Whilst non-sterile BioClean-D garments cannot be sterilized as gamma irradiation would cause the material to deteriorate, we have a range of sterile BioClean-D garments available.

What is the material used?

BioClean-D garments are all manufactured using our BioClean-D CleanTough™ white fabric which is non-woven, spunbonded and laminated with a film of polyethylene. This allows comfort and flexibility during use and protection against fine sprays and particles.

How is BioClean-D packaged?

BioClean-D garments are double bagged in non-particulating EasyTear bags making them easy to open and avoiding the introduction of particles into the classroom.
The BioClean-C range of Chemo Safety Wear consisting of aprons and sleeve covers provide an essential layer of protection without compromising comfort. Worn with BioClean-D garments as the base protection layer the two combined provide protection from head-to-toe when handling hazardous chemicals.

BioClean chemotherapy gloves are non-latex, designed to work as a double-gloving system for extra protection and have been tested against the world’s most stringent standard, ASTM D6978-05, to ensure the safe handling of chemotherapy drugs. This standard is the internationally accepted standard specifically designed for the assessment of resistance of medical gloves to permeation by chemotherapy drugs, unlike the European standard EN 6523-1:2015, which is not specific to chemotherapy drugs and has no requirement to test against any cytotoxics.

To complement the chemotherapy range, the highly absorbent sterile BioClean ChemPrep Prep Mat enhances workbench safety for technicians, nurses and pharmacists when preparing cytotoxic drugs for chemotherapy.

Processing & Packaging

The manufacturing, processing and packing in our ISO Class 4 cleanroom and the sterilization of the BioClean-C safety wear range is fully certified and validated.

Sterile BioClean chemotherapy garments and gloves are double bagged in non-particulating EasyTear packaging making them easy to open and avoiding the introduction of particles into the cleanroom.
BIOCLEAN-C CHEMOTHERAPY APRON with SLEEVES
S-BCAS & BCAS

- ISO Class 4 • EU GMP Grade A Compatible (Sterile)
- ISO Class 4 Compatible (Non-Sterile)

Sterile & Non-sterile
PPE Category 3 Type PB[6]
Low-linting BioClean-C CleanTough blue fabric
Adjustable neck fastening • Tie-tapes at rear
Attached sleeves with elasticated cuffs • Ultrasonically bonded seams with protective tape
Tested to ASTM F739-12
40 individually packed aprons per carton

*BIOCLEAN-C SLEEVE COVER / S-BCSC & BCSC

Sterile & Non-sterile
ISO Class 4 • EU GMP Grade A Compatible (Sterile)
ISO Class 4 Compatible (Non-Sterile)
PPE Category 3 Type PB[6]
Low-linting BioClean-C CleanTough blue fabric
Elasticated arms and elasticated polyester cuffs • Ultrasonically bonded seams with protective tape
Tested to ASTM F739-12
Sterile: One pair per inner bag, 15 inner bags per outer bag, six outer bags (90 pairs) per lined carton
Non-Sterile: 30 pieces per inner bag, one inner bag per outer bag, six outer bags (180 pieces) per lined carton

Packing
Sterile
Non-Sterile
BCSC
S-BCSC

BIOCLEAN CHEMPREP PREPMAT / S-BCPM

Sterile
ISO Class 5 & EU GMP Grade A
Low-linting • Latex-free • Triple laminate
Mesh upper layer • Highly absorbent middle layer and impermeable bottom layer

Packing
Sterile
Non-Sterile
S-BCPM-402SB
40cm x 25cm
Four bags of 50 double bagged mats (200) per carton
S-BCPM-564OB
56cm x 40cm
Four bags of 25 double bagged mats (125) per carton

*Please see BioClean-C sizing guide on Page 39.
Quality Systems & Testing
BioClean Chemo Safety Wear gloves are tested against the most stringent standard, the American ASTM D6978-05 (Table 1), which employs a testing limit 100 times more stringent than its European counterpart. We do not promote our products using results achieved under EN16523-1:2015 (formerly EN374-3) as, quite simply, this benchmark is not safe when assessing the suitability of a glove for protection against cytotoxic drugs.

To illustrate how misleading the results from EN16523-1:2015 can be when compared to ASTM D6978-05, which is designed specifically for cytotoxics, we have tested our gloves using the same permeation rate prescribed by EN16523-1:2015 [Table 2]. The results show no breakthrough after 480 minutes at the 1.00 µg/cm²/min level. We could have chosen to publish these first-class results, and foregone testing using ASTM D6978-05, but we know that exposure to even tiny doses of cytotoxic drugs can be very harmful. This is why we insist on only using ASTM D6978-05 as the benchmark for safety when it comes to glove choice.

Comparisons between EN16523-1:2015 and ASTM D6978-05

<table>
<thead>
<tr>
<th>CHEMO DRUG</th>
<th>BUPS**</th>
<th>BENS**</th>
<th>BUPS</th>
<th>BP25</th>
<th>BENS</th>
<th>BNPS</th>
<th>BNPLS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capoten</td>
<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
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<tr>
<td>Carboplatin</td>
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<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
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<tr>
<td>Cyclophosphamide</td>
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<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
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<td>0.01</td>
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<td>0.01</td>
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<tr>
<td>Doxorubicin</td>
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<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
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<tr>
<td>Paclitaxel</td>
<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
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</tr>
<tr>
<td>Thiotepa</td>
<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
</tr>
</tbody>
</table>

Table 1: Mean breakthrough detection time (minutes) as per EN16523-1:2015

Breakthrough of the test chemical is deemed to have occurred when the permeation rate has reached 1.00 µg/cm²/min.

| TABLE 2: MEAN BREAKTHROUGH DETECTION TIME (MINUTES) AS PER ASTM D6978-05 |
|-----------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| CHEMO DRUG                  | BUPS            | BENS            | BP25            | BENS            | BP25            | BENS            | BP25            |
| Capoten                     | 0.01            | 0.01            | 0.01            | 0.01            | 0.01            | 0.01            | 0.01            |
| Carboplatin                 | 0.01            | 0.01            | 0.01            | 0.01            | 0.01            | 0.01            | 0.01            |
| Cyclophosphamide            | 0.01            | 0.01            | 0.01            | 0.01            | 0.01            | 0.01            | 0.01            |
| Dexamethasone               | 0.01            | 0.01            | 0.01            | 0.01            | 0.01            | 0.01            | 0.01            |
| Methotrexite                | 0.01            | 0.01            | 0.01            | 0.01            | 0.01            | 0.01            | 0.01            |
| Doxorubicin                 | 0.01            | 0.01            | 0.01            | 0.01            | 0.01            | 0.01            | 0.01            |
| Paclitaxel                  | 0.01            | 0.01            | 0.01            | 0.01            | 0.01            | 0.01            | 0.01            |
| Thiotepa                    | 0.01            | 0.01            | 0.01            | 0.01            | 0.01            | 0.01            | 0.01            |

Table 2: Mean breakthrough detection time (minutes) as per EN16523-1:2015

Breakthrough of the test chemical is deemed to have occurred when the permeation rate has reached 1.00 µg/cm²/min.
What should I consider when choosing single use or autoclavable goggles?

If you have your own autoclave/steam or VHP sterilization facilities and spare capacity, it may prove more cost-effective to purchase the autoclavable goggles. However, a more convenient solution may be a single use sterile goggle if there are no facilities to allow for convenient re-sterilisation of the goggles.

BioClean Clearview autoclavable goggles consist of a range of premium reusable goggles manufactured from super-soft thermoplastic or silicone rubber. Our comprehensive range fits all face shapes, remaining comfortable even during extended use. Key features of the BioClean Clearview autoclavable goggles are their toughened, anti-scratch optically correct polycarbonate lenses, which provide unimpaired vision. A panoramic option is available with a lens which has extra depth and width. This increases the wearer’s field of vision; the goggles can also be worn comfortably over eye glasses.

Quality Systems & Testing
BioClean Clearview autoclavable goggles are supplied non-sterile and must be removed from the PE bag prior to autoclaving. The goggles have been tested to withstand a minimum of 40 autoclave cycles of 30 minutes duration at 121°C. Spare lenses and straps are available to maximise the lifespan of the goggles.

We also offer a gamma irradiatable version, the BCAH, which can withstand 12 cycles at 25 kGy.
How do I know how many times a pair of goggles have been autoclaved?

We are able to add a polyester number grid to the strap of the goggles to identify each goggle after autoclaving, to track how many times it has been autoclaved.

How do I make sure my goggles are fitted correctly?

Ensure the straps are tightened sufficiently to hold the goggle securely on the face, but do not tighten them excessively.

Can autoclavable goggles be irradiated?

In general, autoclavable goggles cannot be irradiated as it causes the body/frame of the goggle to discolor and deteriorate. However there is one model of BioClean autoclavable goggles that can be irradiated, the BCAH.

Are the autoclavable goggles supplied pre-autoclaved?

BioClean Clearview autoclavable goggles are not supplied pre-autoclaved and must be removed from the PE bag prior to autoclaving and placed in an autoclavable bag, then autoclaved at 121°C for a duration of 30 minutes.

<table>
<thead>
<tr>
<th>Re-order Code</th>
<th>Item</th>
<th>Packing</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCAG</td>
<td>Goggles</td>
<td>12 Pieces</td>
</tr>
<tr>
<td>BCAG-SL</td>
<td>Spare lens</td>
<td>10 Pieces</td>
</tr>
<tr>
<td>BCAG-SS</td>
<td>Spare straps</td>
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<table>
<thead>
<tr>
<th>Re-order Code</th>
<th>Item</th>
<th>Packing</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCAP</td>
<td>Goggles</td>
<td>12 Pieces</td>
</tr>
<tr>
<td>BCAP-SL</td>
<td>Spare lens</td>
<td>10 Pieces</td>
</tr>
<tr>
<td>BCAP-SS</td>
<td>Spare strap</td>
<td>50 Pieces</td>
</tr>
</tbody>
</table>
SINGLE-USE GOGGLES

Fully validated BioClean Clearview single use goggles are manufactured from lightweight, ultra-soft PVC and can be worn comfortably for long periods.

A key feature of these goggles is the optically correct toughened polycarbonate lens with anti-fog and anti-scratch coating, to provide unimpaired vision. The BioClean Clearview goggles strap is made from non-linting, latex-free silicone rubber, and is easily adjusted to provide a secure and stable fit. To ensure complete product protection, BioClean single use goggles have an indirect air circulation system restricting any eyelashes or eyebrows from entering the controlled environment, whilst at the same time ensuring excellent ventilation for user comfort.

Our single use goggles are fully validated for sterility and comply with ISO 11137-1.

Quality Systems & Testing

For customers requiring PPE certification, BioClean single use goggles are Category 2 EN166:2001 certified and, to ensure the highest quality, all goggles are individually inspected and packed in our ISO Class 4 cleanroom.

BioClean Clearview Sterile Single Use Goggles (BCGS1) have been tested to ANSI/ISEA Z87.1-2010, the American National Standard for Occupational and Educational Personal Eye and Face Protection Devices.

As with all BioClean products the manufacturing, processing and packing of the BioClean single use goggles is fully certified and validated.

BioClean single use goggles are double bagged in non-particulating Tyvek® / PE bags compatible with cleanroom use. With the exception of the strap, all components and packaging are fully recyclable.

BIODEGRADABLE GOGGLES

Re-order Code
BCGS1

SINGLE-USE GOGGLES

Re-order Code
BVGS

BioClean ViJon Single Use Goggles (BVGS) have been tested to EN166:2001, the European standard for eye protection devices.

Quality Systems & Testing

For customers requiring PPE certification, BioClean single use goggles are Category 2 EN166:2001 certified and, to ensure the highest quality, all goggles are individually inspected and packed in our ISO Class 4 cleanroom.

BioClean ViJon Sterile Single Use Goggles (BVGS) have been tested to ANSI/ISEA Z87.1-2010, the American National Standard for Occupational and Educational Personal Eye and Face Protection Devices.

As with all BioClean products the manufacturing, processing and packing of the BioClean single use goggles is fully certified and validated.

BioClean single use goggles are double bagged in non-particulating Tyvek® / PE bags compatible with cleanroom use. With the exception of the strap, all components and packaging are fully recyclable.

Re-order Code
BVGS
What does BFE, PFE & Delta P mean?

When selecting a facemask for cleanroom use it’s important to choose one with the right balance between performance and comfort.

Quality Systems & Testing

Our facemasks are processed in a certified ISO Class 4 cleanroom environment and undergo rigorous testing to ensure the highest standards are met. BFE/PFE and Helmke Drum test results are available upon request.

Materials & Packing

BioClean facemasks are manufactured from the highest quality latex-free, low-linting materials and have a hydrophobic outer layer to repel liquids and a hygroscopic inner layer to absorb moisture for increased comfort.

BioClean range of sterile and non-sterile cleanroom facemasks & veils provide a comprehensive choice for face coverage, allowing the wearer to choose the right balance between performance and comfort.

BFE, PFE & Delta P:

- **BFE %** (Bacterial Filtration Efficiency) measures the effectiveness of a facemask in blocking the transmission of bacteria.
- **PFE %** (Particulate Filtration Efficiency) measures the effectiveness of a facemask in blocking the transmission of particles.
- **ΔP** (Differential Pressure) measures the resistance to air flow, with higher ΔP values indicating lower breathability but higher filtration efficiency.

BioClean MEA Looped Facemask

**MEA210-1**

- **Sterile**
- **ISO Class 4**
- **EU GMP Grade A Compatible**
- **INNER FACING LAYER**: Non-woven polypropylene/ polyethylene (hygroscopic)
- **FILTER LAYER**: Meltblown polyester
- **OUTER FACING LAYER**: Non-woven spunbonded polyester (hydrophobic)
- **Ultra-low particulation**: 3 ply - ultrasonic sealing
- **High BFE & PFE**
- **Excellent breathability**
- **High seam strength**
- **Latex-free**

**Packing**

- One piece per inner bag, 50 inner bags per outer bag, 12 outer bags (600 pieces) per carton

*Packing option subject to minimum order quantity and lead time.

BioClean MEA Non-sterile Looped Facemask

**MEA210-2**

- **ISO Class 4**
- **INNER FACING LAYER**: Non-woven polypropylene/ polyethylene (hygroscopic)
- **FILTER LAYER**: Meltblown polypropylene
- **OUTER FACING LAYER**: Non-woven polypropylene/ polyethylene (hydrophobic)
- **Ultra-low particulation**: 3 ply - ultrasonic sealing
- **High BFE & PFE**
- **Excellent breathability**
- **High seam strength**
- **Latex-free**

**Packing**

- One piece per sealed inner PE bag, 50 inner bags per sealed outer PE bag, 12 outer bags per lined carton (600 pieces)
Why are sterile facemasks more expensive than non-sterile ones?

This is not just because of the sterilization costs. The material used in masks to be sterilized is different from that used for the manufacture of non-sterile masks.

Non-sterile facemask material degrades when it is sterilized by gamma irradiation, seriously compromising its filtration performance. To obtain acceptable filtration performance after irradiation our sterile facemasks are made from a more expensive material which can withstand irradiation.

What is the difference between face veils and facemasks?

Facemasks provide a very efficient particle and bacterial barrier between you and the product or process. Face veils should only be worn during less critical applications as their level of protection for the products is very low.
BIOCLEAN DB
POUCH-STYLE FACEMASK

BDBS
- Sterile
- ISO Class 4 • EU GMP Grade A Compatible
- INNER FACING LAYER: Non-woven spunbonded polyester (hygroscopic)
- FILTER LAYER: Meltblown polyester
- OUTER FACING LAYER: Non-woven spunbonded polyester (hydrophobic)
- Ultrasonically sealed edges • Latex-free • Large breathing chamber • Low-linting • Fully enclosed nose band
- One facemask per inner bag, 20 inner bags per sealed outer bag, 10 outer bags (200 pieces) per carton

Re-order Code
BDBS

BDBN
- Non-sterile
- ISO Class 4 Compatible
- INNER FACING LAYER: Non-woven spunbonded polyester (hygroscopic)
- FILTER LAYER: Meltblown polypropylene
- OUTER FACING LAYER: Non-woven spunbonded polyester (hydrophobic)
- Ultrasonically sealed edges • Latex-free • Large breathing chamber • Low-linting • Fully enclosed nose band
- 50 facemasks per inner bag, one inner bag per sealed outer bag, six outer bags (300 pieces) per carton

Re-order Code
BDBN

BIOCLEAN CLEARVIEW LOOPED OR TIE-ON VISOR FACEMASK / VFM

- Sterile
- ISO Class 4 & EU GMP Grade A Compatible
- INNER FACING LAYER: Non-woven spunbonded polyester (hygroscopic)
- FILTER LAYER: Meltblown polyester
- OUTER FACING LAYER: Non-woven spunbonded polyester (hydrophobic)
- High bacterial & particle filtration efficiency • Looped or tie-on • Optically clear • Distortion-free anti-fog visor • Latex free
- One piece per inner bag • 25 inner bags per outer bag • four outer bags (100 pieces) per carton

Re-order Code
VFM210-L Looped
VFM210-T-SLOT Tie-on/Slot

BIOCLEAN SOFTFLOW / BFV03

- Non-sterile
- ISO Class 4
- VEIL: Hydroentangled polyester
- FASTENINGS: Tubular polyester headloops
- NOSE-BAND: Plastic coated aluminium
- BINDING: White hydroentangled polyester
- Ultrasonically sealed seams • Fully enclosed malleable nose-band • Soft & comfortable • Latex-free
- 100 pieces per sealed inner PE bag, one inner bag per sealed outer PE bag, 20 outer bags per lined carton (2000 pieces)

Re-order Code
BFV03

BIOCLEAN MICROFLOW / BFV05

- Non-sterile
- ISO Class 4
- VEIL: Hydroentangled polyester
- FASTENINGS: Tubular polyester headloops
- NOSE-BAND: Plastic coated aluminium
- BINDING: White hydroentangled polyester
- Ultrasonically sealed seams • Fully enclosed malleable nose-band • Soft & comfortable • Latex-free
- Low-linting
- 100 pieces per sealed inner PE bag, one inner bag per sealed outer PE bag, 10 outer bags per lined carton (1000 pieces)

Re-order Code
BFV05

BIOCLEAN MICROFLOW WITH STUDS / BFV06

- Non-sterile
- ISO Class 4
- VEIL: Apertured polyethylene film
- FASTENINGS: Two male studs either side of veil
- NOSE-BAND: Plastic coated aluminium
- BINDING: White hydroentangled polyester
- Studs either side for attaching to cleanroom hoods • Ultrasonically sealed seams • Fully enclosed malleable nose-band • Soft & comfortable • Latex-free
- 50 pieces per sealed inner PE bag, one inner bag per sealed outer PE bag, 10 outer bags per lined carton (500 pieces)

Re-order Code
BFV06
OVERSHOES

BIOCLEAN DUAL DISPOSABLE PP/CPE OVERSHOES
S-BDOS
- Sterile
- ISO Class 4 Compatible
- Top: Spunbonded non-woven polypropylene fabric
- Sole: Embossed cast polyethylene film
- Slip-resistant sole • Practical & durable • Latex-free elastic • low-linting
- One pair per sealed inner PE bag, 1.5 inner bags per sealed outer PE bag, 10 outer bags per lined carton (150 pairs)

Re-order Code | Size | Color
---|---|---
S-BDOS | 16” (400mm) | White

BIOCLEAN CPE DISPOSABLE OVERSHOES
S-CPE
- Sterile
- Non-critical environments
- Cast polyethylene
- Low levels of particle shedding • Ultrasonically cut & sealed edges
- Sterile: One pair per inner bag, 10 inner bags per outer bag, 15 outer bags (150 pairs) per carton

Re-order Code | Size | Color
---|---|---
S-CPE | 16” (400mm) | Blue
BIOCLEAN ESD OVERSHOES WITH CONDUCTIVE TAPE / ESD

- Non-sterile
- ISO Class 5 Compatible
- Shoe: non-woven spunbonded Polypropylene
- Tape: Polyester filament yarn (96%) with conductive nylon carbon filament yarn (4%)
- Non-marking conductive tape provides excellent dissipative properties • Low levels of particle shedding
- 100 pieces per sealed inner PE bag; one inner bag per sealed outer PE bag; 10 outer bags per lined carton (1000 pieces)

Re-order Code | Size | Color
--- | --- | ---
ESD016W | 16" (400mm) | White
ESD018W | 18" (457mm) | White
ESD018B | 18" (457mm) | Blue

BIOCLEAN CLEANROOM TAPE S-BVCT

- Sterile
- ISO Class 4 Compatible
- Vinyl with PET Laminate
- White • Red
- Adhesive force (g/25mm): 800g/25mm • Good abrasion resistance • Excellent durability
- S-BVCT2R - One roll per sealed inner PE bag, one inner bag per sealed outer PE bag; 30 outer bags per lined carton (30 rolls)
- S-BVCT3W - One roll per sealed bag, 12 rolls per carton

Re-order Code | Color | Size
--- | --- | ---
S-BVCT3W | White | 50mm x 33mm
S-BVCT2R | Red | 12.5mm x 33mm
1. BIOCLEAN BBC CLEANROOM BOUFFANT CAP / BBC
- Non-sterile
- Non-critical environment
- Spunbond polypropylene
- White or Blue
- Lightweight • Latex-free elastic • Universal size
- 100 pieces per sealed inner PE bag; 10 inner bags per sealed outer PE bag; one outer bag per lined carton (1000 pieces)

Re-order Code | Color
--- | ---
BBC-W | White

2. BIOCLEAN SUPATAC TACKY MATS / STB & STW
- Non-sterile
- ISO Class 5 Compatible
- Low density polyethylene with anti-bacterial finish
- Blue or White
- 30 numbered layers • Anti-bacterial water based acrylic adhesive • Available in variety of sizes
- Four mats (each with 30 numbered layers) per lined carton

Re-order Code | Size | Color
--- | --- | ---
STB1836 | 18” x 36” | Blue
STB2436 | 24” x 36” | Blue
STB2445 | 24” x 45” | Blue
STB3636 | 36” x 36” | Blue
STB3645 | 36” x 45” | Blue
STB3660 | 36” x 60” | Blue
STB3672 | 36” x 72” | Blue
STB4048 | 40” x 48” | Blue
STW1845 | 18” x 45” | White
STW2445 | 24” x 45” | White
STW2645 | 26” x 45” | White
STW3645 | 36” x 45” | White
STW3660 | 36” x 60” | White
STW3672 | 36” x 72” | White

3. BIOCLEAN PHARMA COVER / BPC
- Non-sterile (Sterile version available)
- ISO Class 4 Compatible
- Polyethylene and high quality elastic
- White
- Breathable microbial barrier • Latex-free elastic provides secure seal • Latex-free • Moisture and puncture resistant • Form fitted • Fast drying time • Easy to apply and remove
- Autoclavable at 121ºC to 127ºC
- See datasheet on www.BioClean.com

Re-order code | Size (cm)
--- | ---
BPC-05 | 5 (2.0”Ø)
BPC-8 | 8 (3.1”Ø)
BPC-10 | 10 (3.9”Ø)
BPC-13 | 13 (5.1”Ø)
BPC-18 | 18 (7.0”Ø)
BPC-23 | 23 (9.0”Ø)

Re-order code | Size (cm)
--- | ---
BPC-41 | 41 (16.1”Ø)
BPC-51 | 51 (20.0”Ø)
BPC-61 | 61 (20.0”Ø)
BPC-76 | 76 (29.9”Ø)
BPC-91 | 91 (35.8”Ø)

4. BIOCLEAN STRETCHIE POLYISOPRENE ELASTIC BAND / BSPB
- Non-sterile
- ISO Class 4
- Polyisoprene polymer
- White
- Latex-free • Washed in de-ionized water • Suitable for cleanroom use
- BSPB-280*: Packed in double PE bag - 1 Kilo approx. 388 bands
- BSPB-50*: Packed in double PE bag - 1 Kilo approx. 3729 bands

Re-order code | Size
--- | ---
BSPB-280 | 280mm x 5mm x 0.8mm*

*Size subject to minimum order quantity and lead time.

5. BIOCLEAN ANTI-FOG SPRAY / BAFS
- Non-sterile
- Non-critical environment
- Non-hazardous ingredients
- Colorless
- Reduces fogging • Airless pump action spray • Alcohol free • Quick and easy application • Suitable for all BioClean autoclavable goggles

Re-order Code | Size
--- | ---
BAFS-601 | 60ml
## Icon Legend

- **Length**
- **Color**
- **Double-Donnable**
- **Hand Specific**
- **Ambidextrous**
- **Information**
- **Material**
- **Sterility**
- **Antistatic**
- **Standard Tested To**
- **ISO Class 4**
- **ISO Class 5**
- **ISO Class 6**

### Construction
- **Accelerator Free**
- **Port Size**
- **Standards Complies With**
- **Features**
- **PPE Category**
- **Autoclavable**
- **Upper Vents**
- **Indirect Lower Vents**
- **Indirect Ventilation System**
- **Weight**
- **Packing**
- **Non-Critical Environment**

## Garment Sizing

### BioClean-D Sizing

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<th>Size</th>
<th>Chest</th>
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### BioClean-C Sizing

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Warning: No glove provides complete protection against all chemicals. Users must test the gloves against the particular chemicals and environment in which they will be used.

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For a full range of BioClean gloves, please visit www.bioclean.com/gloves.