



LIFE SCIENCES

INDUSTRY-SPECIFIC PROTECTION SOLUTIONS

APAC QUICK REFERENCE GUIDE

Ansell

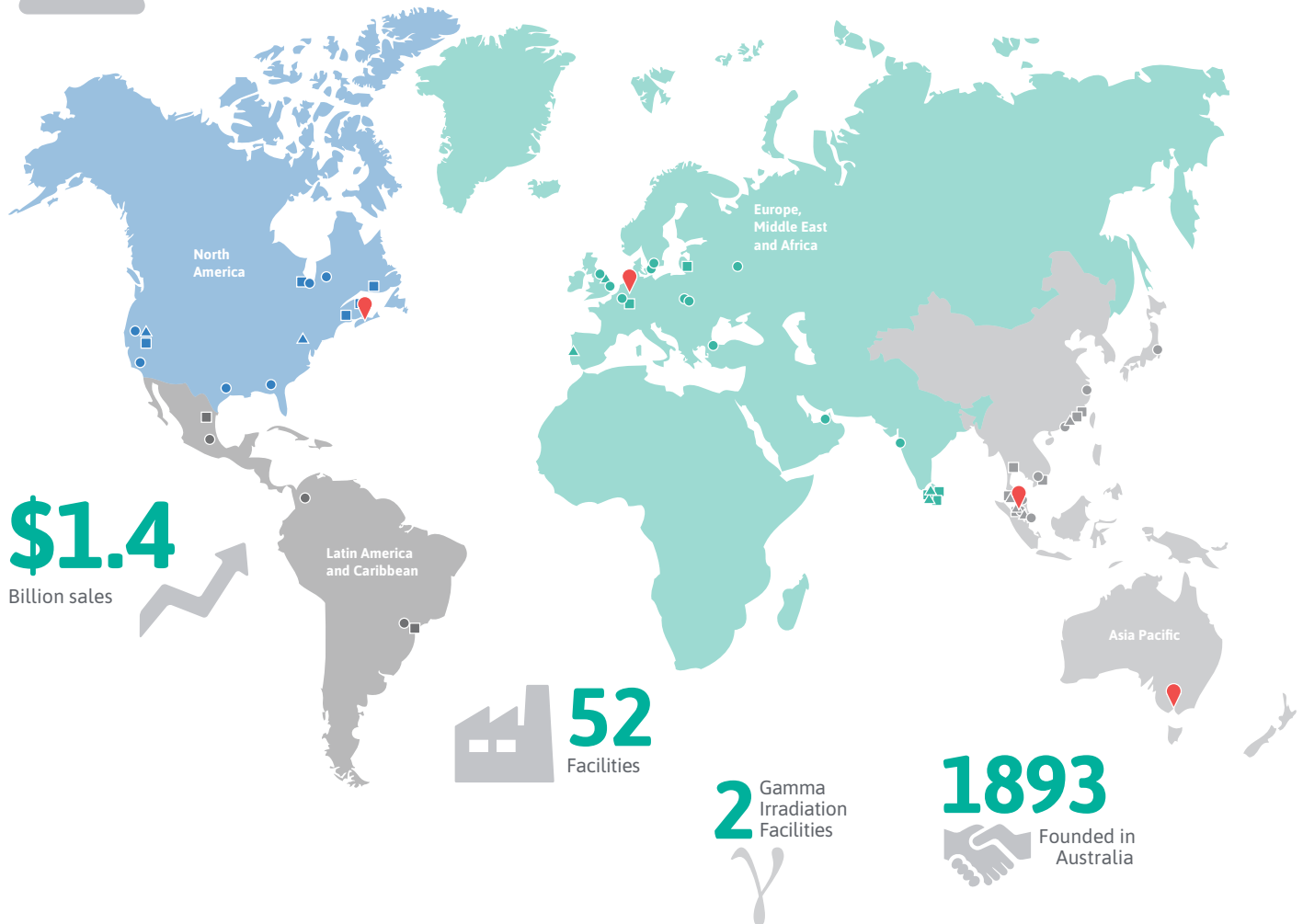
GLOBAL SALES AND SUPPLY CHAIN INFRASTRUCTURE



12,000
Employees

200 

R&D Employees worldwide in
10 R&D Innovation Centers



DEDICATED TO SAFETY

Ansell has been protecting workers for over 125 years by providing a comprehensive range of hand, body and foot protection solutions to cover worker needs across the life sciences industry.

There are four main categories of companies we service, each with their own unique needs and challenges, which Ansell addresses with a full range of portfolio solutions:



1. Pharmaceutical industry



2. Biotechnology industry



3. Medical device industry



4. Research laboratories

FEATURED PRODUCTS

BioClean™ N-Plus BNPS

Elbow length nitrile gloves for extra protection

Benefits:

- 16"/400mm length to reduce risk of cross contamination
- Hand specific to reduce hand fatigue
- Recommended for use in ISO Class 4 environments
- Suitable for use in electrically sensitive applications

Performance Ratings

Sizes: 6.0–10.0



VIRUS



STERILE

Key Features

Approved for use with chemotherapy drugs (ASTM D 6978)*

Low AQL 0.65



BioClean™ Extra BLAS

Elbow length latex gloves for extra protection

Benefits:

- 16"/400mm length to reduce risk of cross contamination
- Flexible and comfortable for prolonged use
- Recommended for use in ISO Class 4 environments

Performance Ratings

Sizes: S–XL



VIRUS

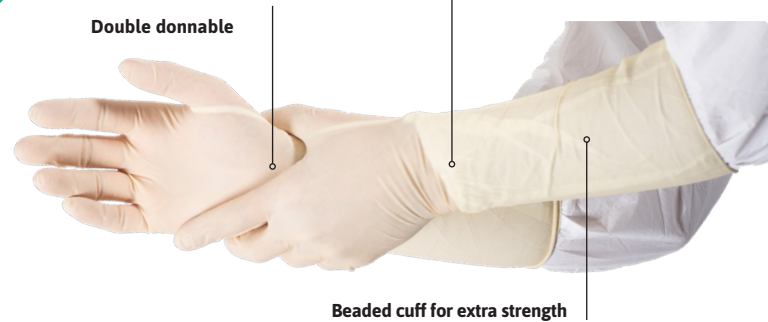


STERILE

Key Features

Double donnable

Elbow length protection



BioClean-D™ Drop-down Garment S-BDSH

True aseptic donning design

Benefits:

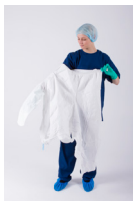
- Up and over design reduces cross-contamination when donning
- Quick and easy donning procedure to decrease donning errors
- Antistatic properties for use in electrically sensitive environments
- Low-linting CleanTough™ ISO Class 4 cleanroom compatible material
- Elasticated back, hood, cuffs & ankles to reduce the bellows effect

Sizes: S–XXXL

Step 1



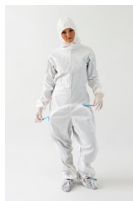
Step 2



Step 3



Step 4



STERILE

Key Features

Strategically placed quick-release tab system

Thumb loops to ensure a secure hold



Anti-static low-linting material

Sterility assurance level 10⁻⁶

BioClean™ Clearview Autoclavable Goggles BCAH

Superior user comfort and clear vision

Benefits:

- Polycarbonate, anti-fog lens
- Super-soft frame
- Indirect ventilation system
- Non-linting latex-free head band
- Tested to withstand 40 autoclave cycles of 30 minutes duration at 121°C/250°F (under laboratory conditions)

LAB

Key Features

Tested to withstand 40 autoclave cycles

Anti-fog lens



ANSELL LIFE SCIENCES INDUSTRY PROCESSES



1 CONTROLLED ENVIRONMENT — PRODUCTION AND MANUFACTURING

Applications:

- Cleanroom cleaning and preparing
- Pharmaceutical manufacturing
- Biotechnologies blending operations
- Transferring liquids and solids

User Needs:

- Excellent chemical protection
- ISO Class 4/5 compatibility
- Sterile and / or clean

Benefits & Features:



BASL | BioClean™ Advance 12" Sterile Latex Gloves; 0.65 AQL

- Hand specific glove; Textured surface for enhanced grip
- Natural colour; Double-donnable



VIRUS



Benefits & Features:

BLA2 | BioClean™ Legacy 12" Non-sterile Latex Gloves; 0.65 AQL

- Ambidextrous glove; Textured for enhanced grip
- Natural colour; Double-donnable



VIRUS

BNAL | BioClean™ Nerva 16" Non-sterile Nitrile Gloves; 0.65 AQL

- Ambidextrous glove; Textured for enhanced grip
- White colour; Double-donnable



VIRUS



BLA3 | BioClean™ Legion 16" Non-sterile Latex Gloves; 1.5 AQL

- Ambidextrous glove; Textured for enhanced grip
- Natural colour; Double-donnable



VIRUS

S-BDCCT | BioClean™ Sterile Coverall with Collar ISO Class 4; EU GMP Grade A

- Antistatic, low-linting, lightweight CleanTough™ material
- Combine with hood and overboots for head to toe coverage
- Material tested against permeation standard ASTM F739-12



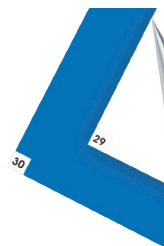
BDCHT | BioClean™ Non-Sterile Coverall with Hood ISO Class 4

- Antistatic, low-linting, lightweight CleanTough™ material
- Combine with overboots for head to toe coverage
- Material tested against permeation standard ASTM F739-12



BCAG | BioClean™ Clearview Autoclavable Goggles ISO Class 4; EU GMP Grade A

- Toughened, anti-scratch, anti-fog lens
- Tested to withstand 40 autoclave cycles (under laboratory conditions)



STB/STW | BioClean™ Supatac Tacky Mats ISO Class 5; Non-sterile

- Low density polyethylene coated with 30 numbered layers
- Available in 2 colours and in a variety of sizes

CONTROLLED ENVIRONMENT

— PRODUCTION AND MANUFACTURING

Applications:

- Handling active materials
- Maintaining equipment and instruments
- Organic and material synthesis
- Nutraceutical manufacturing

User Needs:

- Excellent chemical protection
- ISO Class 4/5 compatibility
- Sterile and / or clean

Benefits & Features:



BENS | BioClean™ Emerald

12" Sterile Nitrile Gloves; 0.65 AQL

- Hand specific glove; Textured surface for enhanced grip
- Green colour; Double-donnable



Benefits & Features:

S-BCRL | BioClean™ Cut Resistant Liner

6.3" - 7.9" Sterile UHMW Polyethylene Gloves

- Ambidextrous glove; ANSI Level II Cut Protection
- White colour
- Recommended to be worn between two cleanroom gloves



MICROFLEX® 93-360

12" Non-sterile Nitrile/Neoprene Gloves; 0.65 AQL

- Ambidextrous glove; Textured fingers for enhanced grip, Antistatic
- Three layer design for superior protection against harsh chemicals including acids, solvents and bases



NAN5 | BioClean™ Nano 5

12" Non-sterile Nitrile Gloves; 1.5 AQL

- Ambidextrous glove; Finger textured for enhanced grip
- White colour; Antistatic



NAN4 | BioClean™ Nano 4

12" Non-sterile Nitrile Gloves; 1.5 AQL

- Ambidextrous glove; Ultra-low LPC <800
- White colour; Antistatic



S-BCAS | BioClean™-C Sterile Chemotherapy Protective Apron with Sleeves

ISO Class 4; EU GMP Grade A

- Antistatic, low-linting, lightweight blue CleanTough™ material
- Ultrasonically bonded seams with protective tape



BDBS |

BioClean™ DB Sterile Pouch-Style Facemask

ISO Class 4; Latex Free

- High particle, viral & bacterial filtration efficiency
- Large breathing chamber for increased user comfort



BCAP | BioClean™ Clearview Autoclavable Panoramic Goggles

ISO Class 4; EU GMP Grade A

- Toughened anti-scratch, anti-fog lens
- Indirect ventilation system
- Ideal to be worn over eye-glasses





2 LABORATORY AND RESEARCH

Applications:

- Laboratory analysis
- Sample taking and processing
- Transferring liquids and solids
- Light assembly tasks

User Needs:

- Excellent chemical protection
- Wet and dry grip
- Dexterity

Benefits & Features:



MICROFLEX® 93-260

12" Non-sterile Polychloroprene Gloves; 0.65 AQL

- Ambidextrous glove; Textured fingers for enhanced grip; Antistatic
- Three layer design for superior protection against harsh chemicals including acids, solvents and bases

EN ISO 374-1:2016
Type A



JKLOPST

EN 388:2016



2000X

EN 421



EN ISO 374-5:2016



VIRUS



Benefits & Features:

MICROFLEX® 93-850

9.5" Non-sterile Nitrile Gloves; 0.40 AQL

- Made with TNT™ Chemical Splash Resistance Technology, for soft durable protection against a wide range of chemicals
- Green colour; Antistatic; Silicone-free

EN ISO 374-5:2016



VIRUS

EN ISO 374-1:2016
Type B



JKOPT

EN 421



TouchNTuff® 92-605

12" Non-sterile Nitrile Gloves; 1.5 AQL

- Ambidextrous glove; Textured fingers for enhanced grip
- Green colour; Antistatic, Silicone-free

EN ISO 374-1:2016
Type B



JKPT

EN 421



EN ISO 374-5:2016



VIRUS



TouchNTuff® 92-500

9.5" Non-sterile Nitrile Gloves; 1.5 AQL

- Ambidextrous glove; Textured fingers for enhanced grip
- Green colour; Antistatic

EN ISO 374-1:2016
Type B



KPT

EN ISO 374-5:2016



VIRUS

EN 421



TouchNTuff® DermaShield® 73-701

12" Sterile Polychloroprene Gloves; 0.65 AQL

- Hand specific, Textured fingers for enhanced grip
- Green colour; Accelerator-free

EN ISO 374
Type A



KLMNPT

EN 421:2010



EN ISO 374-5:2016



VIRUS



MICROFLEX® 93-733

9.5" Non-sterile Nitrile Gloves; 0.65 AQL

- Designed with ERGOFORM™ Technology to support musculoskeletal health and increase worker productivity
- Ambidextrous glove; Textured fingers for enhanced grip
- Blue colour

EN ISO 374-1:2016
Type B



KPT

EN ISO 374-5:2016



VIRUS



S-BFAP | BioClean™

12" Sterile Polychloroprene Gloves; 0.65 AQL

- Ambidextrous glove, Textured fingers for enhanced grip
- Green colour

EN 421



EN ISO 374-1:2016
Type C



EN ISO 374-5:2016



VIRUS



TouchNTuff® 93-250

9.5" Non-sterile Nitrile Gloves; 1.5 AQL

- Ambidextrous, Textured fingers (Ansell Grip™ Technology) for enhanced grip
- Anthracite grey colour; Antistatic; Silicone-free

EN ISO 374-1:2016
Type B



JKPT

EN ISO 374-5:2016



VIRUS





3 RABS AND ISOLATOR

Applications:

- Aseptic processing operations
- Mixing cytotoxic drugs

User Needs:

- Excellent chemical protection
- Dexterity

Benefits & Features:



BioClean™ GGL

33" Sterile Nitrile RABS/Isolator Glove;
Port size 6" - 14"

- Tested against ASTM D6978-05
- 100% air leak tested



BioClean™ GGL30NITM9

33" Sterile Nitrile RABS/Isolator Mitten;
Port size 9" - 10.5"

- Tested against ASTM D6978-05
- 100% air leak tested



BioClean™ GSG10NIT80

32" Sterile RABS & Isolator Sleeve/Glove
System; Port size 10"

- Tested against ASTM D6978-05
- Nitrile sleeve attached to hand specific, polychloroprene glove (BioClean™ P-Zero BPZS)
- 100% air leak tested (prior to being guillotined)



VIRUS



BioClean™ GSG10NITXLMA

36" Sterile RABS & Isolator Sleeve/Glove
System; Port size 10"

- Tested against ASTM D6978-05
- Nitrile sleeve attached to ambidextrous size 8.0, polychloroprene gloves (BioClean™ Fusion S-BFAP)
- 100% air leak tested (prior to being guillotined)



KOT

VIRUS



BioClean™ GSL

26" Sterile Nitrile Sleeve; Port size 6" - 14"

- Tested against ASTM D6978-05
- 100% air leak tested (prior to being guillotined)



AlphaTec® 85-300

31.5" Non-sterile Gauntlet ; Port size 8"

- Made of CSM material
- Designed for high resistance against acids and bases



VALIDATION PACKS

Ansell understands that there is more intense focus today on quality control and regulatory oversight than ever before.

This is why Ansell has created validation packs, to make compliance and qualification processes easier and faster. Validation packs consist of a multitude of technical, regulatory and scientific documents.

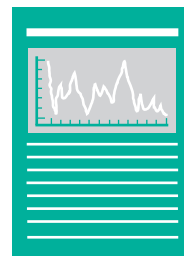
TECHNICAL AND PRODUCT DATA SHEETS



CERTIFICATIONS



TEST RESULTS



Ansell**GUARDIAN**[®]

Global Safety Services

AnsellGuardian[®] simplifies the selection process. Our unique suite of proprietary tools helps companies maximise safety, while improving productivity and performance across 7 key functional areas of your business.

CHEMICAL GUARDIAN

Ansell Chemical Guardian evaluates the resistance and permeation times of different materials or polymers to provide hand, body and foot protection recommendations that protect workers from specific chemicals, while meeting their needs for benefits such as tactility, grip or low allergy risk protection.

MATERIAL SAFETY DATA SHEET (MSDS)

CAS	CHEMICAL NAME	%
100-21-0	TEREPHTHALIC ACID	100
108-31-6	MALEIC ANHYDRIDE	100
100-82-7	CYCLOHEXANE	100

ASSESSMENT



SCIENTIFIC SUPPORT

Our global network of research labs can help answer your technical questions, troubleshoot and provide other types of support or specialised testing.

In addition, Ansell regularly publishes technical releases and white papers on important industry topics.

WORKING WITH CHEMOTHERAPY DRUGS

THE IMPORTANCE OF ERGONOMICS

ALLERGY PREVENTION

DOUBLE DONNING

FOR MORE INFORMATION, CONTACT YOUR ANSELL REPRESENTATIVE OR VISIT WWW.ANSELL.COM

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* See product packaging or contact Ansell Customer Service for specific chemotherapy drug permeation times and recommendations. Recommendations made in this note are based on extrapolations from laboratory test results and information regarding the composition of chemicals and may not adequately represent specific conditions of end use. Synergistic effects of mixing chemicals have not been accounted for. For these reasons, and because Ansell has no detailed knowledge of or control over the conditions of end use, any recommendation must be advisory only and Ansell fully disclaims any liability including warranties related to any statement contained herein.

** Based on EN 374 and ASTM F739 chemical permeation test data, when compared to performance of disposable nitrile gloves of a similar weight

WARNING: No glove provides complete protection against cuts, abrasions or chemicals. Users should test the suitability of Ansell products for a particular purpose, for use within a particular environment or against particular chemicals. See <http://www.ansell.com/en/Legal/Disclaimer.aspx> for additional information.

WARNING: Natural Rubber Latex may cause allergic reactions in sensitive individuals.