BioClean™

N-Plus BNPS

Sterile Disposable Nitrile Cleanroom Glove

Long cuff cleanroom gloves, providing extra protection coverage against chemicals and chemotherapy drugs

- **Chemical protection:** BioClean™ N-Plus BNPS are resistant to a range of chemicals and chemotherapy drugs (PPE Category III, EN ISO Type B, ASTM D6978)
- **Clean processed:** The gloves undergo deionized washing to further reduce surface particulates, ionic extractables and non-volatile residues
- **Reduce Contamination Risk:** The gloves are packed in non-particulating packaging reducing potential contaminant hazards in the cleanroom eenvironment

KEY FEATURES & BENEFITS

- **Extended Long Cuff**: Provide increased coverage for excellent protection of the forearms
- **Chemical protection**: Resistant to a range of chemicals and chemotherapy drugs
- **Sterility Assurance**: Gamma sterilized with sterility assurance level (SAL)of 10-6

Industries

- Biotechnology Manufacturing
- Controlled and Critical Environments
- Laboratory Research and Development
- Medical Device Manufacturing
- Pharmaceutical Manufacturing
- Production and Manufacturing
- Sterile Processing Department

Recommended For

- Transferring liquids and solids
- Biotechnologies Blending operations
- Chemical Splash
- Aseptic filling and labelling
- Sample taking and processing

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TECHNICAL DATA SHEET

	Product Information
Material	Nitrile
Color	White
Shape	Hand Specific
Cuff	Beaded
Manufacturing/QMS Audit Standards	ISO 14001, Manufacturing QMS Audit Standards ISO 9001, PPE Regulation 2016 425 Module D, NEBB Certified Cleanrooms
Regulatory/Standard Compliance	ASTM D6978, CE 0493, EN 421:2010, EN 455 Part 2, EN ISO 21420:2020, EN ISO 374-1:2016, EN ISO 374-5:2016, Food Contact, Category III, UKCA
Packaging	1 pair per inner wrap; 1 inner wrap per pouch; 10 pouches per outer bag; 20 outer bags per lined carton (200 pairs) **More sustainable packaging:** These sterile nitrile gloves are packed in recyclable plastic packaging* and delivered in recycled cardboard shipper cases. *Inner wrap, pouch, bag and liner are made from polyethylene (PE) based film. Always check your local recyclable status of PE as this plastic material may not be considered suitable for recycling in your country.
Storage	Keep away from direct sunlight; store in a dry place and keep in the original packaging. Keep away from ozone sources. If products are properly stored, as indicated, they won't lose their performances or change characteristics significantly. If products could be affected by ageing or storage, the expiry date is mentioned on the packaging materials.
Country of Origin	Malaysia
Available sizes	6, 6.5, 7, 7.5, 8, 8.5, 9, 10
Powder Content	Powder-Free
External Glove Surface	Textured Fingers and Palm
Internal Glove Surface	Chlorinated
Sterilization Method	GAMMA irradiation (25 kGy)
Sterilization Minimum Dose	25kGy
Sterility Assurance Level	10^{-6}
Cleanroom Class	Class 10/ISO Class 4 & EU GMP Grade A/B and other sterile cleanrooms
Shelf Life	Five (5) years from date of manufacture.
Tested for use with Chemotherapy Drugs	Yes
Protein Level	N/A: contains no natural rubber latex
Anti-static	Yes

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Physical Properties									Testing Method
Sizes	6	6.5	7	7.5	8	8.5	9	10	EN ISO 21420
Typical Length (mm/in)	400 / 16								
Palm Width (mm/in)	80/3.1	85/3.3	93/3.6	98/3.8	106/4.1	110/4.3	115/4.5	120/4.7	

Freedom from Holes	1.0 AQL Performance	EN 374-2
Typical Particle Count ≥0.5µm (counts / cm^2)	<1800	IEST-RP-CC005.4
Target Single Wall Palm Thickness (mm/mil)	0.18 / 7.09	EN ISO 21420
Target Single Wall Finger Thickness (mm/mil)	0.21 / 8.26	EN ISO 21420
Target Single Wall Cuff Thickness (mm/mil)	0.10 / 3.94	EN ISO 21420
Ultimate tensile strength (MPa) During Aging	Min. 15	ASTM D412-06a
Force at Break (N) During Aging	≥ 9 N	EN 455-2

IONIC CONTENT

Concentration in µg/cm^2	Typical	Concentration in µg/cm^2	Typical
Ammonium	Available On File	Nitrate	<0.30
Bromide	<0.01	Nitrite	Available On File
Calcium	<0.50	Phosphate	<0.01
Chloride	<0.45	Potassium	<0.20
Fluoride	<0.01	Sodium	<0.10
Lithium	<0.01	Sulphate	<0.25
Magnesium	<0.01	Zinc	< 0.18

ORDERING INFORMATION

SIZE	6	6.5	7	7.5	8	8.5	9	10
REORDER NO.	BNPS60	BNPS65	BNPS70	BNPS75	BNPS80	BNPS85	BNPS90	BNPS100

PERFORMANCE STANDARDS AND REGULATORY COMPLIANCE

CE 0493 EN 421 EN ISO 374-1:2016 Type B KPT EN ISO 374-5 VIRUS UK CA

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