



## Nerva BNAL

Non-sterile Disposable Nitrile  
Cleanroom Glove

# Nitrile elbow-length cleanroom gloves, resistant against a range of chemicals

- **Specialized protection:** BioClean™ Nerva BNAL cleanroom gloves are designed to protect wearers against a range of chemicals, boasting PPE Category III certification
- **Enhanced features:** Their 400mm/16" length enables these BioClean™ gloves to provide elbow-length protection from cross contamination, while a textured surface enhances grip and a beaded cuff ensures sturdier protection with fewer liquid roll-off risks
- **Reduced allergy risk:** The gloves are powder-free, latex-free and accelerator free minimizing allergy risks, notably Type I latex and Type IV chemical allergies and sensitivities



## KEY FEATURES & BENEFITS

- **Chemical resistance protection\*:** Enhancing user protection against accidental chemical splashes
- **Elbow-length design:** Cross contamination protection with extra coverage
- **Non-particulating EasyTearpackaging:** Reduced contamination risks

\*PPE Category III certified

### Industries

- Biotechnology Manufacturing
- Controlled and Critical Environments
- Laboratory Research and Development
- Medical Device Manufacturing
- Pharmaceutical Manufacturing

### Recommended For

- Chemical Splash
- Chemical Handling
- Transferring liquids and solids
- Sample taking and processing



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## TECHNICAL DATA SHEET

|                                        | Product Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material                               | Nitrile                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Color                                  | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Shape                                  | Ambidextrous                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cuff                                   | Beaded                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Manufacturing/QMS Audit Standards      | Manufacturing QMS Audit Standards ISO 9001, NEBB Certified Cleanrooms                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Regulatory/Standard Compliance         | CE 0493, EN 421:2010, EN 455 Part 2, EN ISO 21420:2020, EN ISO 374-1:2016 Type B (KPT), EN ISO 374-5:2016, Food Contact, Category III, UKCA                                                                                                                                                                                                                                                                                                                                                |
| Packaging                              | 100 pieces per sealed inner PE bag; one inner PE bag per sealed outer PE bag; 10 outer bags per lined carton (1000 pieces).<br><b>More sustainable packaging:</b> These gloves are packed in recyclable plastic packaging* and delivered in recycled cardboard shipper cases.<br>*Inner wrap, pouch, bag and liner are made from polyethylene (PE) based film. Always check your local recyclable status as these materials may not be considered suitable for recycling in your location. |
| 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                        | S (6.5 - 7), M (7.5 - 8), L (8.5 - 9), XL (9.5 - 10), 2XL (10.5-11)                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Powder Content                         | Powder-Free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| External Glove Surface                 | Textured Fingers and Palm                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Internal Glove Surface                 | Chlorinated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Cleanroom Class                        | Class 10/ISO 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Shelf Life                             | Five (5) years from date of manufacture.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Tested for use with Chemotherapy Drugs | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Protein Level                          | N/A: contains no natural rubber latex                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Anti-static                            | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Vulcanization Chemical Accelerators    | <ul style="list-style-type: none"><li>None</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                       |



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| Physical Properties                             |                             |             |             |               |               | Testing Method  |
|-------------------------------------------------|-----------------------------|-------------|-------------|---------------|---------------|-----------------|
| Sizes                                           | S (6.5 - 7)                 | M (7.5 - 8) | L (8.5 - 9) | XL (9.5 - 10) | 2XL (10.5-11) | EN ISO 21420    |
| Typical Length (mm/in)                          | 400 / 16                    |             |             |               |               |                 |
| Palm Width (mm/in)                              | 86/3.38                     | 97/3.82     | 107/4.21    | 118/4.65      | 127/5         |                 |
| Freedom from Holes                              | 1.5 AQL Performance Level 2 |             |             |               |               | EN 374-2        |
| Typical Particle Count<br>≥0.5µm (counts / cm²) | <1200                       |             |             |               |               | IENT-RP-CC005.4 |
| Target Single Wall Palm Thickness (mm/mil)      | 0.12 / 4.72                 |             |             |               |               | EN 455-2        |
| Target Single Wall Finger Thickness (mm/mil)    | 0.15 / 5.90                 |             |             |               |               | EN 455-2        |
| Target Single Wall Cuff Thickness (mm/mil)      | 0.07 / 2.76                 |             |             |               |               | EN 455-2        |
| Force at Break (N) During Aging                 | ≥ 6 N                       |             |             |               |               | EN 455-2        |

## IONIC CONTENT

| Concentration in $\mu\text{g}/\text{cm}^2$ | Typical           | Concentration in $\mu\text{g}/\text{cm}^2$ | Typical           |
|--------------------------------------------|-------------------|--------------------------------------------|-------------------|
| Ammonium                                   | Available on File | Nitrate                                    | <0.30             |
| Bromide                                    | <0.01             | Nitrite                                    | Available on File |
| Calcium                                    | <0.60             | Phosphate                                  | <0.01             |
| Chloride                                   | <0.60             | Potassium                                  | <0.10             |
| Fluoride                                   | <0.01             | Sodium                                     | <0.10             |
| Lithium                                    | Available on File | Sulphate                                   | <0.10             |
| Magnesium                                  | <0.01             | Zinc                                       | <0.10             |

## ORDERING INFORMATION

| SIZE        | S (6.5 - 7) | M (7.5 - 8) | L (8.5 - 9) | XL (9.5 - 10) | 2XL (10.5-11) |
|-------------|-------------|-------------|-------------|---------------|---------------|
| REORDER NO. | BNAL-S      | BNAL-M      | BNAL-L      | BNAL-XL       | BNAL-2XL      |

## PERFORMANCE STANDARDS AND REGULATORY COMPLIANCE



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