

# Bionex Nitrile Gloves

Cleaner Dispensing | Smarter Packaging | Safer Use



## Product Overview

Bionex represents a novel glove dispensing method that leverages patented layering technology. This technology specifically aims to mitigate contamination risks associated with traditional glove usage. By dispensing a single glove at a time, Bionex seeks to demonstrably reduce contamination rates compared to conventional methods where multiple gloves are handled simultaneously. This reduction in multi-glove handling serves to minimize the potential for cross-contamination between users.



## Features and Benefits

- Reduces Cross-Contamination – Cuff-first, single-glove dispensing cuts cross-contamination by 93%.
- Increases Efficiency – Faster donning process with single-glove dispensing, eliminating multiple handling issues.
- Prevents Wastage – Interleaved packing prevents gloves sticking, ensuring zero waste.
- Maximizes Storage – Compact Goodpac+ packing system optimizes warehouse space, crucial for healthcare facilities.
- Lowers Carbon Footprint – Efficient packaging reduces shipping container use and transportation costs.
- Ensures Hygienic Manufacturing – Fully automated interleave production keeps gloves untouched until first use.

## Product Specifications:

Finger Thickness: 0.10mm/4.0mil  
Palm Thickness: 0.07mm/3.0mil  
Length: 9.5in  
Freedom From Holes: 1.5 AQL

## Physical Properties:

Tensile Strength (MPa): min. 18 unaged | min. 16 aged  
Elongation (%): min. 500 unaged | min. 400 aged

## Sizing & Packaging Details

Reference No.	Description	Quantity
BNMD01	Nitrile Exam Gloves-XS	200/BX 10BX/CS
BNMD02	Nitrile Exam Gloves-S	200/BX 10BX/CS
BNMD03	Nitrile Exam Gloves-M	200/BX 10BX/CS
BNMD04	Nitrile Exam Gloves-L	200/BX 10BX/CS
BNMD05	Nitrile Exam Gloves-XL	180/BX 10BX/CS

## Chemotherapy Drugs And Concentration In Accordance with ASTM D6978-05

Carmustine (3.3 mg/ml)	12.1 mins	Azacytidine (25.0 mg/ml)	>240 mins
Cisplatin (1.0 mg/ml)	>240 mins	Carboplatin (10.0 mg/ml)	>240 mins
Cyclophosphamide (20.0 mg/ml)	>240 mins	Docetaxel ( 10 mg/ml)	>240 mins
Dacarbazine (10.0mg/ml)	>240 mins	Epirubicin (2.0 mg/ml)	>240 mins
Doxorubicin Hydrochloride (2.0 mg/ml)	>240 mins	Gemcitabine (38mg/ml)	>240 mins
Etoposide (20.0 mg/ml)	>240 mins	Ifosfamide (50 mg/ml)	>240 mins
Fluorouracil (50.0 mg/ml)	>240 mins	Irinotecan (20mg/ml)	>240 mins
Methotrexate (25.0 mg/ml)	>240 mins	Mitoxantrone (2.0 mg/ml)	>240 mins
Mitomycin C (0.5 mg/ml)	>240 mins	Oncovin (1.0 mg/ml)	>240 mins
Paclitaxel (6.0 mg/ml)	>240 mins	Oxaliplatin (5 mg/ml)	>240 mins
Thiotepa (10.0 mg/ml)	37.8 mins	Vinorelbine (10 mg/ml)	>240 mins
Vincristine Sulfate (1.0 mg/ml)	>240 mins		

Fentanyl Drug Testing in Accordance with ASTM D6978-05

Fentanyl Citrate Injection (100 mcg/2ml): No breakthrough detected up to 240 minutes

Standard Compliance

- ASTM D5511: Anaerobic Biodegradation Testing under High-Solids Conditions
- ASTM D6319: Standard Specification for Nitrile Examination Glove
- ASTM D573: Tensile Properties of Vulcanized Rubber
- ASTM D6978-05: Permeation by Chemo Drug Therapy
- ASTM D573: Accelerated Aging for Latex
- ASTM D5151: Standard Test for Detection of Holes in Medical Gloves
- ASTM D6124: Standard Test Method for Residual Powder of Medical Gloves
- ISO 2859-1: Sampling Procedures for Inspection by Attributes Part 1: Sampling Schemes Indexed by Acceptance Quality Limit (AQL) for Lot-by-Lot Inspection

Chemical Testing in Accordance with ASTM F739

Chemical & Concentration: Minimum Breakthrough Time (minutes)

Acetone 99%	0 mins	Hydrogen Peroxide 3%	>480 mins
Acetonitrile 99%	0 mins	Hydrogen Peroxide 30%	10 mins
Ammonium Hydroxide 25%	10 mins	Isopropyl Alcohol 70%	21 mins
Benzene 99%	0 mins	Mercaptoethanol 99%	0 mins
Benzyl Alcohol 99.8%	0 mins	Methanol 99%	0 mins
Butyl Acetate 99%	0 mins	Methyl Methacrylate 99%	0 mins
Carbon Tetrachloride 99%	0 mins	Nitric Acid 70%	0 mins
Chlorhexidine Gluconate 4%	>480 mins	Oxivir 1	10 mins
Chloroform 99%	0 mins	Oxivir 1**	30 mins
Clorox Hydrogen Peroxide Disinfectant Wipes	>480 mins	Oxivir TB	10 mins
Cyclohexanone 99%	0 mins	Petroleum Ether 99%	17 mins
Diacetone Alcohol 99%	8 mins	Phenol 10%	0 mins
Dimethyl Sulfoxide 99%	0 mins	Phosphoric Acid 85%	>480 mins
Ethanol 95%	5.3 mins	Povidone Iodine 10%	>480 mins
Ethidium Bromide 0.4%	>480 mins	Quaternary Cleaner	>480 mins
Formaldehyde 10%	>480 mins	Sodium Hydroxide 40%	>480 mins
Glutaraldehyde 4%	>480 mins	Sodium Hypochlorite 10-13%	>480 mins
Heptane 99%	32 mins	Sulfuric Acid 50%	>480 mins
Hexana 96%	16 mins	Trichloroacetic Acid 10%	>480 mins
Hydrochloric Acid 35.5%	170 mins	Xylene 99%	0 mins
Hydrogen Peroxide 1.4%	N/A		