

# Biodel Nitrile Gloves

Eco-Friendly | Chemotherapy-Tested | Clinical-Grade Quality



## Product Overview

BIODEL gloves are biodegradable nitrile exam gloves designed for both environmental responsibility and superior protection. With proven performance against chemotherapy drugs and hazardous chemicals, they are ideal for healthcare professionals seeking high-safety, eco-friendly solutions.



## Features and Benefits

- Made with a polymerized "food source" that attracts microbes for Biodegradation.
- It provides a more Eco-friendly option for glove disposal.
- Powder-free and chlorinated for easy donning; fingertip textured for better grip.
- Beaded cuff enhances durability; ambidextrous design for ease of use.
- Latex-free and thin-gauge for comfort, sensitivity, and protection.
- Tested for use with chemotherapy drugs (ASTM D6978-05).

## 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
BDMD01	Nitrile Exam Gloves-XS	200/BX 10BX/CS
BDMD02	Nitrile Exam Gloves-S	200/BX 10BX/CS
BDMD03	Nitrile Exam Gloves-M	200/BX 10BX/CS
BDMD04	Nitrile Exam Gloves-L	200/BX 10BX/CS
BDMD05	Nitrile Exam Gloves-XL	200/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		