



**AMERICAN NITRILE**  
AUTHENTIC AMERICAN PROTECTION



# AMERICAN NITRILE

## STEELFLEX™

POWDER-FREE  
BLUE NITRILE EXAMINATION GLOVES



### MADE IN THE USA FOR THE HEALING HANDS OF HEALTHCARE HEROES.

When hardworking healthcare heroes suit up, they demand medical-grade, uncompromisable quality gloves that help them deliver extraordinary care with confidence and comfort. Our American-made gloves provide a barrier that protects patients and practitioners alike.

#### AMERICAN NITRILE ADVANTAGES

Every American Nitrile glove is proudly manufactured at our state-of-the-art facility in Grove City, Ohio. As the preferred domestic source for nitrile gloves, we ensure:

- ✓ **Delivery:** Stress-free and just-in-time, eliminating unpredictable trans-pacific shipping, port delays, and the need to carry high safety stock.
- ✓ **Corporate social responsibility:** Sustainability in energy and raw material usage plus visibility into ethical labor practices.
- ✓ **Product quality:** Our gloves are 100% made in the USA to ensure safety and quality are never compromised.


#### KEY FEATURES AND BENEFITS

- Tested**  
Meets US FDA device license regulations, complies with ASTM standards, and cleared for use with chemotherapy drugs in accordance with ASTM D6978.
- Authentic**  
US-based production and delivery ensures quality and instills confidence in the safety and cleanliness of our products.
- Enhanced sensitivity**  
Delivering exceptional dexterity and performance for tasks that require a precision feel.
- Greater comfort**  
Soft and stretchy film fits like a second skin to minimize muscle fatigue and reduces risk of repetitive hand injuries.
- Reduced allergens**  
Our material and cleaning processes reduce the risk of Type I latex allergies and Type IV chemical allergies.
- Superior AQL**  
0.65 AQL, exceeding medical grade requirements, means reduced pinhole formation and better protection for users.

#### THE RIGHT FIT FOR:

- **Medical**
- **Dental**
- **Veterinary**
- **Laboratory**
- **Research**
- **Retail**

#### SUSTAINABILITY IMPACT:

-  Low carbon footprint, no transpacific vessels used
-  Up to 40 gallons of water recycled per case
-  100% recycled/recyclable cardboard packaging







Powder-Free      Fingertip Texture      Ambidextrous      NON STERILE      Single Use Only

**Learn more or inquire at:**  
[americannitrile.com](http://americannitrile.com)

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GLOVE SIZE	REORDER NUMBER
EXTRA-SMALL	ANST351
SMALL	ANST352
MEDIUM	ANST353
LARGE	ANST354
EXTRA-LARGE	ANST355

#### Fentanyl and Chemotherapy Drug Permeation Resistance

Drug Tested	Average Breakthrough Detection Time (minutes)
Carmustine (BNCU) (3.3 mg/ml)	25.5
Cyclophosphamide (20 mg/ml)	>240
Doxorubicin HCl (2 mg/ml)	>240
Etoposide (20 mg/ml)	>240
5-Fluorouracil (50 mg/ml)	>240
Methotrexate (25 mg/ml)	>240
Paclitaxel (6 mg/ml)	>240
Thiotepa (10 mg/ml)	47.7
Vincristine Sulfate (1 mg/ml)	>240
Fentanyl Citrate (100 mcg/2ml)	>240

**Caution:**  
Testing showed an average breakthrough time of 25.5 min for Carmustine and 47.7 min for Thiotepa.

The STEELFLEX Nitrile Exam Glove material was tested with chemotherapy and fentanyl drug concentrations (see table) per ASTM D 6978-05. Testing conducted on single layer glove material.

**Caution:**  
Gloves used for protection against chemotherapy drug exposure should be selected specifically for the type of drugs used. It is the user's responsibility to determine an adequate level of protection for the intended use.



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## PRODUCT INFORMATION

<b>Material</b>	Nitrile
<b>Color</b>	Steel Blue
<b>Glove Design</b>	Chlorinated, fingertip texture, Powder-free
<b>Cuff</b>	Beaded
<b>Audit Standards</b>	GMP
<b>Packaging</b>	200 gloves per box • 2,000 gloves per case
<b>Shelf Life</b>	3 years
<b>Country of Origin</b>	USA
<b>User Needs</b>	Medical
<b>Sizes</b>	XS, S, M, L, XL

## PHYSICAL PROPERTIES

	Typical Performance	Testing Method	
Length	245 mm/9"	ASTM D3767	
Freedom from Holes	0.65 AQL	ASTM D5151	
Palm Thickness	0.07 mm/2.8 mil	ASTM D3767	
Finger Thickness	0.11 mm/4.3 mil	ASTM D3767	
Glove Weight Medium	3.5 grams		
	<b>Before Aging</b>	<b>After Aging</b>	
Ultimate Tensile Strength (MPa)	>30	>27	ASTM D412 & D573
Elongation at Break (%)	>500	>400	ASTM D412

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