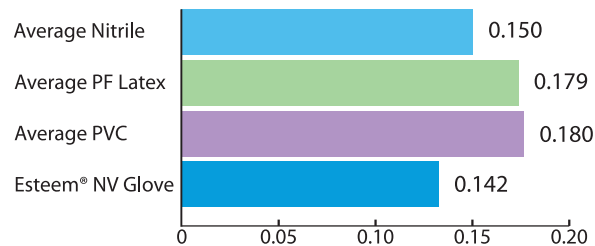




Esteem® NV Synthetic Powder-free Exam Gloves

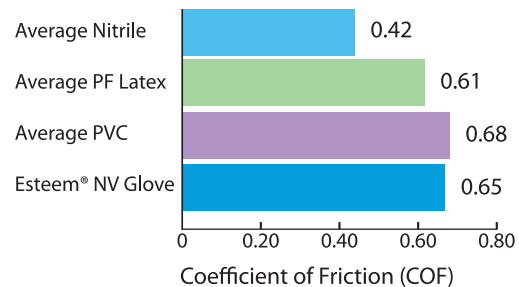
- Made from a proprietary blend of nitrile and vinyl
- Manufactured without the use of accelerators
- Glove fits closer to the hand and wrist – better than traditional PVC gloves
- Smooth-finished glove with excellent grip even when wet and a higher coefficient of friction (COF; grip) than most nitrile gloves and comparable to latex gloves
- Better puncture resistance than most PVC gloves and equivalent to latex
- Demonstrated permeation resistance to a number of commonly used hospital and laboratory chemicals
- Use in conjunction with Cardinal Health's Esteem® Stretchy Nitrile family of powder-free nitrile exam gloves to meet all of your exam glove needs – facility-wide

Average Glove Finger Thickness (millimeters)



Glove thickness provides great tactile sensitivity

**Glove Outside Finger COF – WET
Higher is Better**



Grip COF tested per ASTM D 1894 Standard Test Method for Static and Kinetic Coefficient of Friction of Plastic Film and Sheeting



CardinalHealth

Length and Thickness

Minimum length measured from the tip of the middle finger to the cuff.

Average Length (in./mm)	Cuff Thickness (mil/mm)	Palm Thickness (mil/mm)	Finger Thickness (mil/mm)
9.8 in./249mm	3.3 mils/0.084mm	5.4 mils/0.136mm	5.7 mils/0.144mm

Physical Properties

Meets or exceeds ASTM D5250 for Physical Properties [Standard Specification for Poly (vinyl chloride) Gloves for Medical Application]

	ASTM Limit	Cardinal Health Average
Tensile Strength	≥ 9 MPa	14 MPa
Elongation (Aged)	≥ 300%	456%

Barrier Protection

All gloves must meet a certain Acceptable Quality Level (AQL) as established by the Food and Drug Administration (FDA). This refers to their freedom from holes and their subsequent level of barrier protection. That is, gloves with a lower actual AQL will have fewer barrier defects. Cardinal Health's internal requirements are significantly more stringent than FDA and ASTM requirements.

	FDA	ASTM D5250	Cardinal Health
AQL Limit	4.0	2.5	1.5

Bacteriophage Penetration

This glove passed ASTM F1671, "Standard Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Blood-borne Pathogens Using Phi-X174 Bacteriophage as a Test System." This method has been specifically defined for modeling the viral penetration of Hepatitis (B and C) and Human Immunodeficiency Viruses transmitted in blood and potentially infectious body fluids. It assesses the effectiveness of materials used in protective clothing for protecting the wearer against contact with bloodborne pathogens using a surrogate microbe suspended in simulated body fluid under conditions of continuous contact. The outcome is either "pass" or "fail." Cardinal Health tests a statistically significant sample size of 32 gloves instead of three called for in the ASTM method.

We go the extra distance with our testing because the safety of clinicians and patients is a top priority. You expect a certain level of protection when you put on an exam glove. We ensure you're getting that protection – and more.

Proteins and Allergens

This is a synthetic glove that contains no natural rubber latex proteins or allergens.

Accelerator-Free

Manufactured without use of accelerators.

Chemical Resistance

Gloves have been tested per ASTM F739, "Standard Test Method for Resistance of Protective Clothing Materials to Permeation by Liquids or Gases Under Conditions of Continuous Contact," for resistance to the following hospital and laboratory chemicals. The results represent the average normalized breakthrough time in minutes.

Common Hospital and Laboratory Chemicals

Lab Chemical Permeation Resistance (average normalized breakthrough time in minutes at 0.1 µg/cm²/min.)
Ref. ASTM F 739

Acrylamide, 50%	>480
Benzalkonium Chloride, 100%	>480
Ethidium Bromide, 10mg/mL	>480
Germicidal Cleaning Solution –	
Organic Chlorides	>480
Glutaraldehyde, 2.4%	>480
Hydrogen Peroxide, 3%	>480
Sodium Hydroxide, 50%	>480
Sodium Hypochlorite, 10%-13%	>480

Caution: Review Material Safety Data Sheets for the chemicals being used to determine the required level of protection.

Ordering Information

Size	Catalog Number	Gloves/ Dispenser Box	Boxes/Case (Total Gloves)
X-small	88NV01XS	100/bx	10/cs (1000)
Small	88NV02SM	100/bx	10/cs (1000)
Medium	88NV03MD	100/bx	10/cs (1000)
Large	88NV04LG	100/bx	10/cs (1000)
X-large	88NV05XL	90/bx	10/cs (900)

© Copyright 2006. Cardinal Health, Inc. or one of its subsidiaries.
All rights reserved.
Lit. No. 2GLV0399 (1206/5M/MC3009)

 Paper contains a minimum of 10% post-consumer fiber.



Cardinal Health
Glove Products
1500 Waukegan Road
McGaw Park, IL 60085

www.cardinalhealth.com/gloves