

THE RIGHT LATEX-FREE GLOVE FOR EVERY PROCEDURE

Our full line of Nitrile Exam Gloves provides barrier protection against strikethrough of blood and other potentially harmful fluids. These durable gloves provide the fit and feel without the risks associated with latex-related sensitivity or allergy.

- **PURPLE NITRILE* Exam Gloves:**
Maximum Protection For Higher-Risk Procedures

PURPLE NITRILE* Exam Gloves are frequently the glove of choice for healthcare workers who need outstanding barrier protection from bacteria, viruses and chemicals during procedures where risk of fluid exposure is moderate to high. PURPLE NITRILE* gloves offer the highest level of chemotherapy protection available in Halyard's line of nitrile exam gloves. These durable gloves are available in 9.5 and 12-inch lengths, for maximum coverage and protection. PURPLE NITRILE* Gloves are especially appropriate in dealing with unknown risks.

- **STERLING* Nitrile Exam Gloves:**
The Worry-Free Choice For Virtually Every Task

STERLING* Nitrile Exam Gloves were specifically designed to fit and feel like latex, with excellent comfort and tactile sensitivity. They provide durable barrier protection in situations where expected fluid exposure is low to high. These gloves are available in 9.5 and 12-inch lengths, for maximum coverage and protection. Most STERLING* Nitrile Exam Gloves are cleared for use in chemotherapy. If you want to standardize on one exam glove that can fit virtually all your needs facility-wide, STERLING* Nitrile is the glove to choose.

- **LAVENDER* Nitrile Exam Gloves:**
Affordable Nitrile Protection And Comfort

LAVENDER* Nitrile Exam Gloves are thinner, lighter, and more economical than standard nitrile, yet they retain the protective properties required for excellent performance across a wide range of healthcare tasks. They're the ideal replacement for vinyl and latex exam gloves, providing a superior barrier and more comfort than vinyl, while avoiding the problem of latex allergy, all at an affordable price.



The Right Latex-Free Glove for Every Procedure

Anticipated Risk of Exposure to Fluid	Glove Characteristics	Recommended Areas of Use†
<p>Moderate to High</p> <p>PURPLE NITRILE*</p>	<p>Natural Rubber Latex-Free</p> <p>Non-Sterile</p> <p>Powder-Free</p> <p>Heavy-Weight</p>	<p>Chemo Tested</p> <p>EMS</p> <p>ER</p> <p>Trauma</p> <p>Burn Units</p> <p>Critical Care Units</p>
<p>Low to High</p> <p>STERLING*</p>	<p>Natural Rubber Latex-Free</p> <p>Non-Sterile</p> <p>Powder-Free</p> <p>Medium-Weight</p>	<p>Chemo Tested</p> <p>House-Wide</p> <p>ICU</p> <p>OR</p> <p>Laboratories</p> <p>Pharmacy</p>
<p>Low to Moderate</p> <p>LAVENDER*</p>	<p>Natural Rubber Latex-Free</p> <p>Non-Sterile</p> <p>Powder-Free</p> <p>Light-Weight</p>	<p>General Meds Dispensing</p> <p>Patient Transport</p> <p>Routine Oral Care</p> <p>Noninvasive Exams</p> <p>Specimen Transport</p> <p>Phlebotomy</p>



†Recommended areas and tasks are based on feedback from a research panel of 300 Registered Nurses, Infection Preventionists, and Materials Managers. Ultimately, health care personnel must make the final decision on which level of glove protection is appropriate given the anticipated risk of fluid exposure.

Additional Glove Information

Available Configurations by Glove Family	LAVENDER* Nitrile Exam Gloves	STERLING* Nitrile Exam Gloves	PURPLE NITRILE* Exam Gloves
12' Extended Length	—	✓	✓
• Meets NFPA 1999:2008	—	✓	✓
Chemotherapy Tested	—	✓	✓
PPE Station Codes	—	✓	—
Sterile Pairs	—	✓	✓
Sterile Singles	—	✓	✓
Key Product Specifications			
9.5" Glove Box Count	250 ^{††}	200 ^{†††}	100 ^{††††}
Beaded Cuffs & Textured Fingers	✓	✓	✓
Meets ASTM 6319 Requirements	✓	✓	✓
Elongation:			
Before Aging:	650%	580%	550%
After Aging:	550%	550%	500%
Tensile Strength:			
Before Aging:	23 MPa	35 MPa	21 MPa
After Aging:	24 MPa	39 MPa	21 MPa
Thickness:			
Middle Finger (mm):	0.07	0.10	0.15
Palm (mm):	0.05	0.07	0.12
Cuff (mm):	0.04	0.06	0.09



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†† LAVENDER* Nitrile XL: 250 per box. ††† STERLING* Nitrile XL: 170 per box. †††† PURPLE NITRILE* XL: 90 per box.
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HALYARD* LAVENDER* NITRILE



Exam Gloves

TEST & TECHNICAL DATA	TEST	OBJECTIVE	RELEVANCE	DESCRIPTIONS	FDA REQUIREMENT (EFF. 12/08)	ASTM REQUIREMENT	HALYARD* REQUIREMENT	LAVENDER* RESULTS	
PHYSICAL PROPERTIES	ASTM D5151 Detection of Holes in Medical Gloves (Water Leak) [†]	Determine acceptability of gloves with respect to freedom from holes. The lower the Acceptance Quality Level (AQL), the better.	Measures potential for glove barrier integrity failure using ASTM standards.		Pass @ 2.5 AQL	Pass @ 2.5 AQL	Pass @ 1.0 AQL	Pass @ 1.0 AQL	
	ASTM D412 Standard Test method for Vulcanized Rubber and Thermoplastic Elastomers-Tension (Tensile Strength) [†]	To assess the amount of force applied to a glove until it breaks. The lower the Acceptance Quality Level (AQL), the better.	The lower the tensile strength, the more easily materials of the same thickness can break when snagged or pressure is applied.	Before Aging After Aging	14 MPa 14 MPa (4.0 AQL)	14 MPa 14 MPa (4.0 AQL)	16 MPa 15 MPa (2.5 AQL)	23 MPa 28 MPa (2.5 AQL)	
	ASTM D412 Standard Test method for Vulcanized Rubber and Thermoplastic Elastomers-Tension (Ultimate Elongation) [†]	The ability to stretch a glove until it breaks. The lower the Acceptance Quality Level (AQL), the better.	Stretchability is very important at the microscopic level where the glove material must be able to give rather than break when stressed or snagged by instruments, fingernails, ridges on caps, twisting stop cocks on IV sets, or snapping off enclosures.		Before Aging After Aging	500% 400% (4.0 AQL)	550% 400% (4.0 AQL)	500% 450% (2.5 AQL)	550% 550% (2.5 AQL)
	ASTM D3767 Standard Practice for Rubber-Measurement of Dimensions (Thickness) [†]	Thickness is measured in millimeters (mm) utilizing a micrometer at specified locations on the finger and palm. The lower the Acceptance Quality Level (AQL), the better.	Thickness is a metric that can be used in determining both tactile sensitivity and barrier protection. Consistency for this metric is key for both durability and chemical permeation protection.		Finger Palm Cuff	0.05mm 0.05mm (4.0 AQL)	0.05mm 0.05mm (4.0 AQL)	0.05mm 0.05mm (2.5 AQL)	0.08mm 0.07mm 0.06mm (2.5 AQL)
	ASTM D3767 Standard Practice for Rubber-Measurement of Dimensions (Length) [†]	Length is measured in millimeters (mm) utilizing a rule or tape from the upper finger tip to cuff. The lower the Acceptance Quality Level (AQL), the better.	This measurement helps ensure appropriate length and size correctness.		U.S. Requirements	230 mm (4.0 AQL)	230 mm (4.0 AQL)	230 mm (2.5 AQL)	242 mm (2.5 AQL)
	ASTM D6124 Residual Powder on Medical Gloves	Determine amount of residual powder on the glove surface; ASTM specifies the maximum allowed level of filter-retained substances for a powder-free claim.	A powder-free glove helps reduce powder-associated wound healing complications caused by starch glove powder and helps reduce irritant reactions and the transfer of proteins and chemicals that could potentially result in Type IV or I reactions.			<2mg		<2mg	<2mg
SYSTEM BIOCOMPATIBILITY	Systemic Toxicity ISO 10993-11	Evaluate the potential for harmful effects to organs or systems using specific product extracts.	Reduce risk of adverse systemic and local response due to contact with product.		Optional		Pass	Pass	

HALYARD* LAVENDER* Nitrile Powder-Free Exam Gloves have been tested according to the tests listed above.
[†] D6319 Standard Specification for Nitrile Examination Glove for Medical Applications

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Exam Gloves

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IRRITATION AND SENSITIZATION	PRIMARY Skin Irritation ISO-10993-10	Estimate the potential to induce skin irritation from direct exposure.	Measures the likelihood of the patient experiencing dermal irritation.		Pass		Pass	Pass
	Sensitization ISO-10993-10	Estimate the potential to induce contact sensitization Type IV delayed hypersensitivity immunological response via product extracts.	Decrease the likelihood of adverse immunological dermal response from product use over time.		Pass		Pass	Pass
RESIDUAL CHEMICALS	High Pressure Liquid Chromatography (HPLC)	Measure the type and amount of residual chemicals left on the glove.	Lower levels of residual chemicals decrease the risk of developing irritant and Type IV reactions.		Optional		Pass	Pass
VIRAL PENETRATION	Penetration by Bloodborne Pathogens Using Phi-X174 Bacteriophage (Viral Penetration) ASTM F1671	Measure the resistance of materials used in protective apparel to penetration by bloodborne pathogens.	Measures resistance to potentially infectious body fluids permeating through the protective material.		Optional	Pass	Pass	Pass

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 ‡ D6319 Standard Specification for Nitrile Examination Glove for Medical Applications

Please contact your Sales Representative for chemotherapy drug and chemical testing information.
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