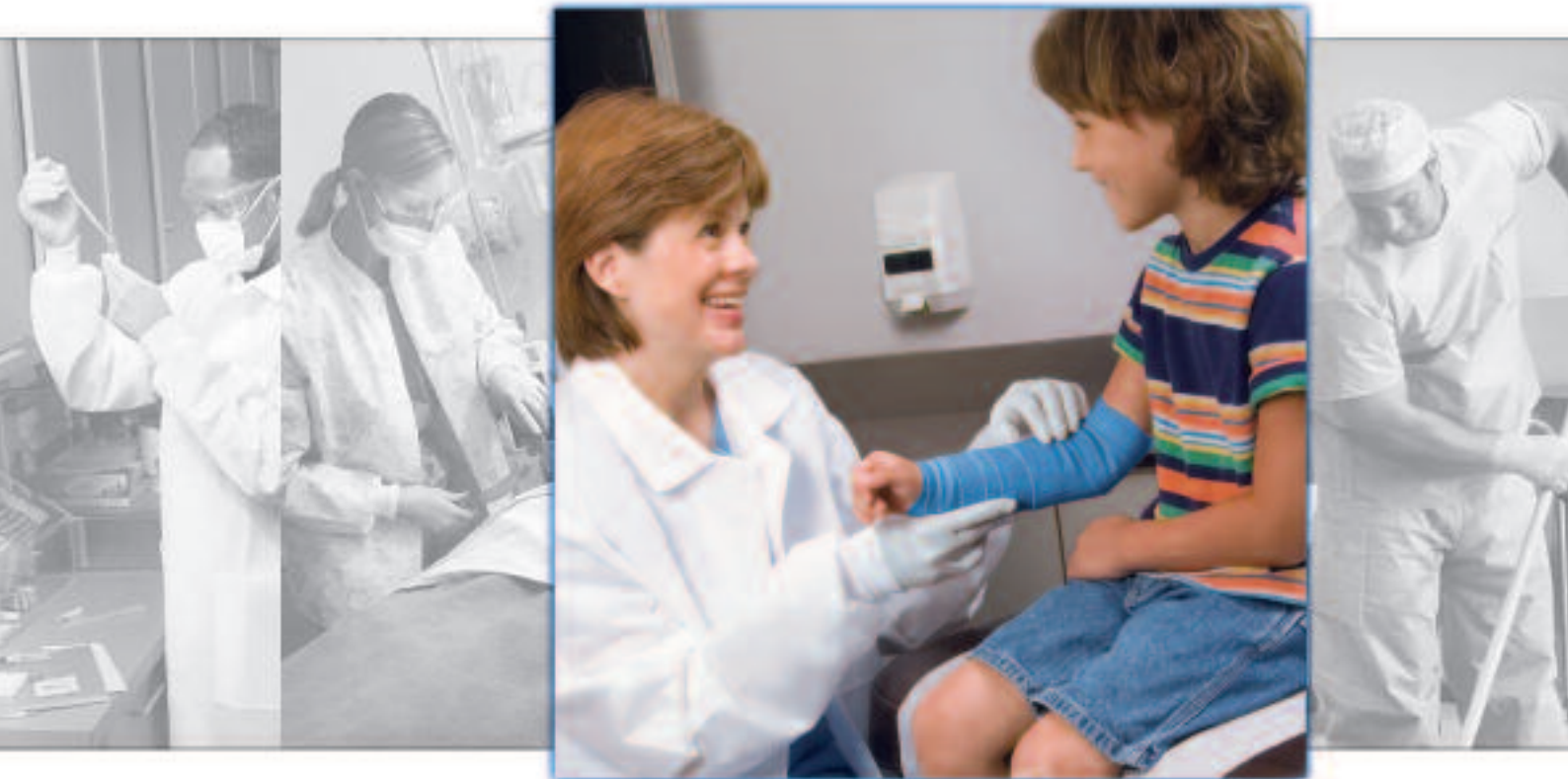


Healthcare-Associated Infection Solutions

KIMBERLY-CLARK* STERLING* Nitrile Exam Gloves

The worry-free choice . . .



**. . . designed for use by everyone,
everywhere.**

 **Kimberly-Clark**

*Trusted Clinical Solutions**

Latex-quality Performance in a Worry-free, Nitrile Glove

Healthcare-associated infections (HAIs) are a global issue occurring in up to 10% of all hospitalized patients and costing the healthcare system about \$6 billion (U.S.) per year.¹ Building on Kimberly-Clark's leadership position in the areas of Operating Room, Infection Control, and Airway Management, our mission is to provide healthcare facilities with clinical solutions to prevent and manage the most severe HAIs, including healthcare worker infections.

As a healthcare professional, you have enough problems to worry about. Latex allergy shouldn't be one of them. New, natural rubber latex-free KIMBERLY-CLARK* STERLING* Nitrile Exam Glove gives you the protection you need and the fit, sensitivity and comfort that, until now, could be found only in natural rubber latex gloves. And Sterling* Nitrile Exam Gloves are affordable enough to be your glove of choice, for virtually every use, throughout your facility.²

During examination procedures, STERLING* Nitrile Exam Glove provides superior barrier protection against strikethrough of blood and other potentially harmful fluids, along with the fit and feel to help you do your best for every patient.

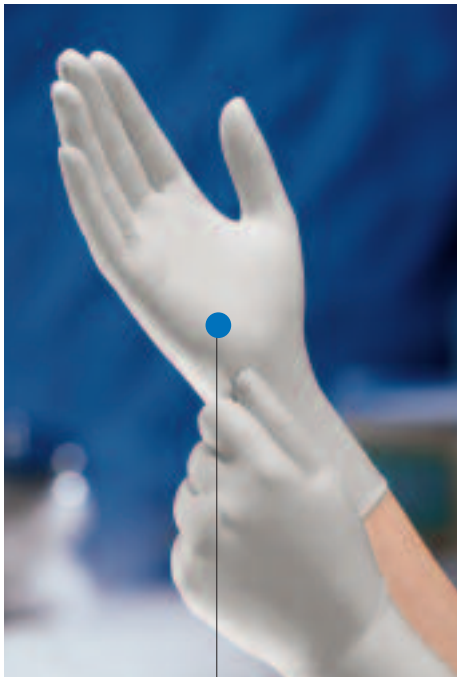
In the lab, STERLING* Nitrile Glove's excellent tactile sensitivity and protective properties make it easy to handle delicate instruments with confidence.

For custodial tasks, STERLING* Nitrile Gloves combine extended comfort with a sure grip and protection from fluids for dependable, durable performance.

There is no known cure for Type I latex allergy, a condition that can, within minutes of exposure to latex, cause symptoms such as rhinitis, conjunctivitis, urticaria, laryngeal edema, bronchospasm, asthma, angioedema, anaphylaxis, and death.³

But the risk of developing Type I latex allergy can be significantly decreased by reducing exposure to latex—especially to natural rubber latex gloves.

²Kimberly-Clark offers a line of gloves specifically designed for use with chemotherapeutic agents.



Latex Allergy: The Problem with Latex Gloves

Latex sensitivity and latex allergy – 3 types:

- Irritant contact dermatitis
- Allergic contact dermatitis, or delayed hypersensitivity
- Latex allergy

How big is the latex problem?

Among the general population

- Latex sensitivity varies from <1%-6%.^{4,5} In the U.S., there are more than 50 million atopic individuals (those with allergies)⁶

Among healthcare workers

- National Institute of Environmental Health Sciences estimates latex sensitivity occurs in 5-18% of healthcare workers
- One in fifty becomes sensitized to latex each year through exposure to latex gloves.⁷ Sensitization develops in individuals genetically predisposed to latex allergy over a highly variable period of time. The latency period ranges from several weeks to as long as 30 years⁸
- Latex exposure is a leading cause of occupational asthma^{9,10}

There is a strong correlation between reduction in latex exposure and reduction in latex allergy

Latex Allergy: The Impact

Impact on patients

- Unknowingly exposing a latex allergic patient to latex products can be fatal¹¹

Impact on healthcare workers

- Lost time at work, job reassignment to avoid latex contact or, in extreme cases, loss of career

Impact on healthcare facilities

- Treatment costs for affected patients or staff
- Cost of hiring and training a new recruit or colleague to take over for someone suffering from a latex allergy and double personnel costs for paying both the absentee and their replacement
- Increased departmental workloads when people with latex allergies are off work
- Extra costs associated with meetings and other activities necessary for problem resolution, reorganizing work rotas, timetables, etc.

Depend on the new KIMBERLY-CLARK* STERLING* Nitrile Exam Glove. Choosing one glove that fits all your exam glove needs gives you one less thing to worry about.

STERLING* Nitrile: another Trusted Clinical Solution* from Kimberly-Clark.

KIMBERLY-CLARK* STERLING* Nitrile Exam Gloves: The Solution to Latex Gloves

For years, glove manufacturers have attempted to create a latex-free glove with the protection, comfort, and sensitivity of latex, at a comparable value. And now, Kimberly-Clark has succeeded. Kimberly-Clark researchers developed a new way to utilize synthetic nitrile polymer with an innovative proprietary compounding process. The result is STERLING* Nitrile, a latex-free exam glove with the two key characteristics users want:



1. The Protection of Nitrile

The new manufacturing process boosts the tensile strength of nitrile—the force required to break through the glove—to increase its already superior barrier protection qualities.

2. The Sensitivity of Latex

The new process also allows for a reduction in glove thickness, which means that less force is required to stretch the material. This provides a latex-free glove with the dexterity and sensitivity of natural rubber latex. And it makes STERLING* Nitrile Gloves easy to don, with a fit that is preferred by users for less hand fatigue throughout long shifts.¹³

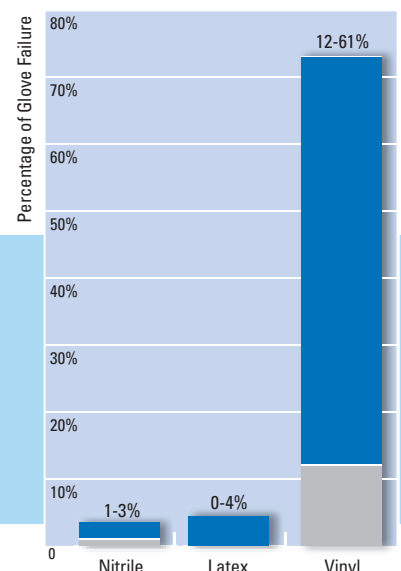
STERLING* Nitrile Exam Glove...a Better Value

- Although STERLING* Nitrile Gloves cost slightly more than natural rubber latex gloves, when you factor in the expenses related to latex allergy, STERLING* Nitrile Gloves are the better value.
- Standardizing on STERLING* Nitrile Exam Gloves can also provide cost savings, reducing the number of SKU's in your facility to one, and reducing needed storage space by nearly a third.

A cost-effective, latex-free glove solution that offers:

- Barrier protection comparable or superior to latex and superior to vinyl
- Flexibility and tactile sensitivity comparable to latex and superior to vinyl

According to a 1999 study by Rego and Roley on the in-use barrier integrity of gloves, nitrile is "an equally effective non-latex glove alternative", a synthetic polymer "that exhibits rubberlike characteristics and barrier properties comparable with latex. Nitrile or latex should be the glove of choice for at-risk situations, including exposure to bloodborne pathogens."¹⁴



Kimberly-Clark's New STERLING* Nitrile Exam Glove Is the Solution to the Latex Glove Problem.

- Natural rubber latex-free, for worry-free use
- Excellent fit and feel compared to latex¹³
- Excellent comfort and tactile sensitivity
- Excellent, durable barrier
- The one exam glove that can fit all your needs...facility-wide!²

Functional Benefits

- Unique color provides quick, visual differentiation from natural rubber latex and other synthetic gloves
- Textured fingertips enhance wet and dry grip
- Provides more comfortable fit with less hand fatigue
- Consistent formation and uniform thickness
- Available in 252 mm length
- Available in 150 count dispenser for less packaging waste

KIMBERLY-CLARK* STERLING* Nitrile Exam Gloves

52510	Sterling* Nitrile Exam Glove, X-Small	Eaches/Box = 150 Boxes/Case = 10
52511	Sterling* Nitrile Exam Glove, Small	Eaches/Box = 150 Boxes/Case = 10
52512	Sterling* Nitrile Exam Glove, Medium	Eaches/Box = 150 Boxes/Case = 10
52513	Sterling* Nitrile Exam Glove, Large	Eaches/Box = 150 Boxes/Case = 10
52514	Sterling* Nitrile Exam Glove, X-Large	Eaches/Box = 140 Boxes/Case = 10

For more information about KIMBERLY-CLARK* STERLING* Nitrile Exam Gloves, contact your Kimberly-Clark representative, or visit our website at www.kchealthcare.com/sterling.

²Kimberly-Clark offers a line of gloves specifically designed for use with chemotherapeutic agents.



Product Specifications

STERLING* Nitrile	gauge thickness (measuring single thickness)	average length
	MM	252mm
Middle Finger	0.09	
Palm	0.08	
Cuff	0.07	

Physical Properties (minimum) EN-455-2

Before Aging		After Aging	
Force at Break	Ultimate Elongation	Force at Break	Ultimate Elongation
10N	650%	9N	550%

Note: All specifications are subject to change without notice.

Clinical Specifications

- Natural Rubber Latex-free – primary material is Nitrile, reducing the potential for Type I glove-associated allergic reactions to natural rubber latex proteins.
- STERLING* Nitrile has been tested for use with common healthcare chemicals for permeation resistance. Test results on file.
- Powder-free (according to ASTM D 6124; EN455-3), minimising the potential for powder-related complications, such as irritant contact dermatitis.

Quality Standards

- Meets or exceeds AQL 1,5 G I in accordance with European Standard EN 455-1.
- CE-marked as Medical Device Class I (93/42/EEC).
- Biocompatible as measured by Primary Skin Irritation, hemolysis and system toxicity testing (EN ISO 10993 -1-10-11).
- This Medical Device is tested additionally according to the European Standard for Personal Protective Equipment: EN 374-2/3.
- Manufactured in accordance with Quality Management Systems EN ISO 13485 & EN ISO 9001.



Kimberly-Clark

Trusted Clinical Solutions*

At **KIMBERLY-CLARK**, OUR MISSION IS TO DELIVER CLINICAL SOLUTIONS THAT YOU CAN DEPEND ON TO MEET THE DEMANDS OF YOUR FAST-PACED WORLD. WHEN YOUR NEEDS INVOLVE PREVENTING HEALTHCARE-ASSOCIATED INFECTIONS (HAIs) FOR PATIENTS AND HEALTHCARE WORKERS, WITH **KIMBERLY-CLARK** YOU'LL ALWAYS HAVE ONE LESS WORRY.

Facial Protection
 Medical Gloves
 Protective Apparel

 Sterilization Packaging
 Surgical Drapes
 Surgical Gowns
 Temperature Management

 Closed Suction Systems
 Oral Care



¹National Audit Office. Improving patient care by reducing the risk of hospital acquired infection: A progress report. (July 2004):50-51.
²Kimberly-Clark offers a line of gloves specifically designed for use with chemotherapeutic agents.
³AORN 2004 Standards, Recommended Practices, and Guidelines. "Latex Guideline" 103, 106-108, 111-112.2004.
⁴Poley GE and Slater JE. "Latex Allergy." *Journal of Allergy and Clinical Immunology* 105, no. 6 (2000):1054-62.
⁵Neugut AL, Ghatak AT and Miller RL. "Anaphylaxis in the United States: An Investigation into Its Epidemiology." *Archives of Internal Medicine* 161, no. 1 (2001):15-21.
⁶American Academy of Allergy, Asthma and Immunology (AAAAI). *The Allergy Report: Science Based Findings on the Diagnosis & Treatment of Allergic Disorders*,1996-2001.

⁷Brown RH, Schauble JF, Hamilton RG. "Prevalence of Latex Allergy Among Anesthesiologists: Identification of Sensitized but Asymptomatic Individuals." *Anesthesiology*. 89 (1998):292-99.
⁸Green-McKenzie A, Hudes D. National Institute of Environmental Health Sciences. "Latex Induced Occupational Asthma in a Surgical Pathologist." *Environmental Health Perspectives* 113, no. 7 (July 2005):888.
⁹Amr S and Bollinger ME. National Institute of Environmental Health Sciences. "Latex Allergy and Occupational Asthma in Health Care Workers: Adverse Outcomes." *Environmental Health Perspectives*. 112, no. 3 (2004):378-81.
¹⁰Van de Bovenkamp JM, Gallis B, Miedema EP. " *Cost Benefit Analysis of Introducing Non-latex Gloves into Hospitals.*" TNO Publication SFZW 920.033.71. September 2003.
¹¹National Institute for Occupational Safety and Health, NIOSH Alert: Preventing Allergic Reactions to Natural Rubber Latex in the Workplace, 1,2; Medical Educational Services, Stop Latex Allergy: How to Make your Medical Facility Latex Safe, Part I (Knoxville, Tenn: Medical Educational Services, 1996) Videotape.
¹²BBC News. "£354,000 for Nurse Latex Allergy" June 16, 2004
¹³Data on file.
¹⁴Rego A, Roley L. "In-use Barrier Integrity of Gloves: Latex and Nitrile Superior to Vinyl." *American Journal of Infection Control*. 27, no. 5 (October 1999).

For more information, please contact:

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Commitment to Excellence

If, for any reason, our products do not meet your expectations, please let us know your comments or suggestions for improvement. Your input will result in a concerted effort on our part to meet your requirements. Our goal is to provide quality products that completely meet your needs time after time.

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