



MedlineExamGloves

The best choice for quality protection



Choosing the right glove is a challenge; today you have more choices than ever before, thanks to advanced glove technology. Medline wants to make it simple for you to evaluate those options. This new guide to Medline exam gloves clarifies the differences between major glove types to help you make an informed decision. It even contains a *"Gloves by Department"* section that matches glove properties to the typical requirements of specific areas in the hospital.

Medline is focusing on the future by developing new gloves that use the very latest technology to provide outstanding fit, comfort, and performance. Be sure to read about our *Aloetouch*[®] gloves, which have an aloe vera coating that soothes and hydrates healthcare workers' hands, and our improved nitrile gloves, which offer great strength and are more comfortable than ever.

As always, we welcome your suggestions.

A handwritten signature in black ink that reads "Andy Mills". The signature is fluid and cursive, with the first letter of "Andy" being a large, stylized capital 'A'.

Andy Mills
President
Medline Industries, Inc.

Aloetouch[®] Gloves

The only exam gloves coated with aloe vera to help soothe and moisturize skin

Every day, millions of healthcare workers trust Aloetouch[®] exam gloves to protect their hands like no other glove can. Coated on the inside with pure aloe vera gel – a natural emollient – Aloetouch[®] gloves hydrate the skin and help to keep it soft and healthy.



Benefits of Better Skin Health

- Greater compliance with handwashing and glove protocols
- Less chance of cross-contamination
- Higher job satisfaction among clinicians
- Potential savings from reduced turnover and lower infection rates

Aloetouch® Options

Aloetouch powder-free nitrile

Promotes and maintains healthy skin — the industry's best choice for complete protection. Available in both 9.5-inch and 12-inch lengths.

Aloetouch Ultra IC powder-free stretch vinyl

Hydrates skin with natural aloe; strong and durable stretch synthetic option. Enhanced inner coating for easier donning.

Aloetouch 3G powder-free stretch vinyl

Coated with skin-soothing aloe — the best-performing vinyl glove on the market.

Aloetouch powder-free latex

Soothes and moisturizes skin, with low protein levels to help reduce latex sensitivity.



Critical and
Noncritical
Care Units



Emergency
Room



Labor and
Delivery



Laboratory



Phlebotomy



Pharmacy/
Oncology



Environmental
Services

Thanks to Medline for providing a glove with an aloe vera coating that truly moisturizes and hydrates the skin. As an infection control practitioner who promotes excellent skin care for healthcare workers, I truly believe the aloe glove enhances hand care.

Louise Standridge, RN
Director of Epidemiology, Carraway Methodist Medical Center

Visit www.aloetouch.com to learn more!

Premium Vinyl Gloves

Medline vinyl synthetic gloves: all-around performance made better by technology

Advances in vinyl synthetic glove technology have enabled Medline to make significant improvements in the features that matter most to you: strength, elongation, tactile sensitivity, and comfort. Our third-generation vinyl synthetic gloves are nothing like the vinyl synthetic gloves of a few years ago, thanks to advanced-formulation polymers.



latexfree
PRODUCT

Ideal for Latex-Free Environments

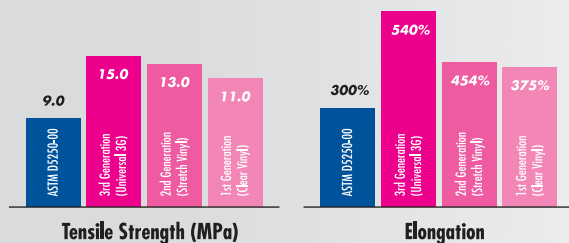
Today's improved vinyl synthetic gloves are a cost-effective, latex-free alternative well suited to the majority of clinical applications. Except for a few instances that call for specialty gloves (e.g., chemotherapy gloves in Oncology), stretch vinyl gloves are an excellent choice for economical latex-free barrier protection.

Three Generations... What's the Difference?

- **First:** traditional vinyl material containing PVC resin and plasticizers.
- **Second:** stretch vinyl material with softer PVC resins for better fit, feel, and performance.
- **Third:** stretch vinyl material containing ultra-high-molecular-weight resins and special softening and strengthening agents; offers strength, comfort, and barrier protection other vinyl gloves cannot.

Comparing performance:

These charts show how tensile strength and elongation improve with each successive generation.



Vinyl Synthetic Options

Aloetouch® Ultra IC powder-free stretch vinyl with inner coating

Hydrates skin with natural aloe; strong and durable.

Enhanced inner coating for easier donning.

Aloetouch® 3G third-generation powder-free stretch vinyl

Coated with skin-soothing aloe — the best-performing vinyl glove on the market.

Universal™ 3G third-generation powder-free stretch vinyl

Outstanding comfort and performance. Proprietary formulation offers remarkable softness, strength, and stretch ability.

Sensicare® second-generation powder-free stretch vinyl

Improved material offers a good fit and tactile sensitivity.



Critical and Noncritical Care Units



Labor and Delivery



Laboratory



Phlebotomy

Nitrile Gloves

Trust our nitrile gloves for strength with a soft touch

Medline has invested heavily in improving the technology of nitrile gloves to increase the softness while maintaining excellent chemical resistance and barrier protection. Our nitrile gloves are now more comfortable to wear, and new manufacturing methods have made them more affordable.



latexfree
PRODUCT

Proven Chemical Resistance

Nitrile gloves are stronger and possess greater chemical resistance than both latex and vinyl gloves. They are generally recommended for use in areas that may involve higher levels of stress on exam gloves (e.g., ER and trauma units) or areas that deal with harsh chemicals or liquid immersion (e.g., Lab, Oncology, Environmental Services, Endoscopy, and Pharmacy).

Nitrile Options

Tested and approved for use with chemotherapy drugs

Aloetouch® powder-free nitrile

Promotes and maintains healthy skin — the industry's best choice for complete protection.

Sensicare® powder-free nitrile

High-performance latex-free protection. A soft, strong glove with excellent tactile sensitivity.

MediGuard® powder-free nitrile

A more traditional nitrile glove with excellent strength and high chemical resistance for hospital-wide protection.

Sensicare® Ice powder-free nitrile

Provides great sensitivity and dependable protection.



Critical and
Noncritical
Care Units



Emergency
Room



Labor and
Delivery



Laboratory



Phlebotomy



Pharmacy/
Oncology



Environmental
Services

Latex Gloves

Low-protein latex gloves round out a complete line

The comfort, fit, tactile sensitivity, and durability of a well-made powder-free latex glove are unsurpassed. However, concerns about latex allergies continue. All Medline latex gloves sold today are certified low-protein and are manufactured to be strong, clean, and consistent.



The Right Touch

Latex gloves are often preferred for procedures that require greater dexterity. Whether you're looking for economy or advanced technology, Medline's wide selection means you'll have no problem finding the right latex glove for you.

Latex Options

Aloetouch® powder-free latex

Ideal for individuals with irritant contact dermatitis, these gloves help soothe and moisturize the skin.

Accucare Plus powder-free latex

This glove is easy to don and offers superior dexterity.

Accucare powder-free latex

Clean, consistent, dependable protection.

MediGuard® powder-free latex

Economical choice; available in textured and smooth.

Sterile Gloves

Medline offers a variety of sterile exam gloves as an efficient, economical alternative to surgical gloves for noninvasive procedures on the nursing floors.

Features:

- Easy-to-open, fluid-resistant packaging
- Compact size: fits inside a pocket
- Folded like surgeons' gloves, providing a sterile field when unwrapped
- Available in singles and pairs



Critical and Noncritical Care Units



Emergency Room



Laboratory



Phlebotomy



Environmental Services

Gloves by Department



Critical and Noncritical Care Units

Units such as Intensive Care, Med-Surg, Radiology, Respiratory, and Physical Therapy perform procedures that do not generally place significant levels of stress on examination gloves. Facilities have greater flexibility in selecting an exam glove for these areas. Powder-free nitrile, powder-free latex, and second- or third-generation stretch vinyl gloves are all excellent choices.

| Special Requirements | Recommended Glove Type |
|----------------------|--|
| Limited | Powder-free nitrile Powder-free latex 2nd- or 3rd-generation stretch vinyl |



Emergency Room

Exam gloves selected for use in the Emergency Department should provide protection against bloodborne pathogens and be strong enough to withstand the rigors of the tasks performed. Nitrile and latex gloves are the recommended choices for high-stress activities. High-performance third-generation vinyl gloves can be used as a complement for routine patient care.

| Special Requirements | Recommended Glove Type |
|--|--|
| Durable gloves that can be used for all procedures | Powder-free nitrile or powder-free latex |



Labor and Delivery

Labor and Delivery generally prefers to use latex-free gloves to avoid any potential latex allergy issues with newborns. Sterile gloves are encouraged for actual deliveries, which may require more invasive procedures. Medline offers both stretch vinyl and nitrile sterile glove options.

| Special Requirements | Recommended Glove Type |
|----------------------|---|
| Latex-free | Powder-free nitrile or 3rd-generation stretch vinyl |
| Sterile procedures | Sterile powder-free nitrile or sterile 2nd-generation stretch vinyl |



Laboratory

Laboratory clinicians have a variety of glove needs. Some technicians deal with harsh chemicals and require higher chemical resistance, while others have greater grip requirements and need a glove that will perform well in both wet and dry situations. All clinicians require comfortable, high-performing gloves. Those who deal with harsh chemicals should use nitrile gloves, but latex and third-generation high-performing vinyl gloves are appropriate for all other functions.

| Special Requirements | Recommended Glove Type |
|----------------------------|------------------------------|
| Strong chemical resistance | Powder-free nitrile |
| Greater grip requirements | Powder-free latex |
| Comfort | 3rd-generation stretch vinyl |
| Tactile sensitivity | |
| Durability | |



Phlebotomy

Phlebotomists need a glove with excellent tactile sensitivity that allows them to find a vein hidden beneath the skin.

| Special Requirements | Recommended Glove Type |
|-------------------------------|--|
| Excellent tactile sensitivity | 2nd- or 3rd-generation stretch synthetic Powder-free latex Powder-free nitrile |



Pharmacy/Oncology

Clinicians who are preparing, compounding, handling, or administering harsh chemotherapy drugs in these departments should use chemotherapy-approved nitrile gloves.

| Special Requirements | Recommended Glove Type |
|-----------------------------------|---|
| Resistance to chemotherapy agents | Chemotherapy-approved powder-free nitrile |



Environmental Services

Environmental Services employees may handle harsh chemical cleaning compounds and ideally should use nitrile gloves, which provide the most effective chemical resistance of all glove materials.

| Special Requirements | Recommended Glove Type |
|----------------------------|------------------------|
| Strong chemical resistance | Powder-free nitrile |



Glove Properties

Viral Penetration

The viral penetration test determines if a glove forms an effective barrier against one of the smallest measurable viruses in the world, phi-X174. If the glove is a barrier to the phi-X174 virus, it also forms a barrier against larger viruses such as hepatitis B and C and the AIDS virus.

All of Medline's exam gloves have passed the viral penetration test.

Chemical Resistance and Barrier Guide

| | Advantage Stretch Vinyl | | Universal 3G Stretch Vinyl | | MediGuard Chemo Nitrile | | Aloetouch 12" Chemo Nitrile | |
|------------------------------|-------------------------|---------------------|----------------------------|---------------------|-------------------------|---------------------|-----------------------------|---------------------|
| | Permeation Rate | Breakthrough (min.) | Permeation Rate | Breakthrough (min.) | Permeation Rate | Breakthrough (min.) | Permeation Rate | Breakthrough (min.) |
| Acetaldehyde | 7.31 | 16 | 6.84 | 18 | 3.43 | 36 | 0.85 | 240 |
| Ammonium Hydroxide 30-70% | 1.19 | 335 | 1.26 | 349 | 2 | 391 | 0.74 | 410 |
| Carmustine | N/A | N/A | N/A | N/A | 0.1 | 480 | 0.1 | 480 |
| Citric Acid 30-70% | 0.26 | 358 | 0.1 | 366 | 0.1 | 367 | 0.1 | 394 |
| Chlorox Bleach 10% | 16.8 | 40 | 16.2 | 38 | 6.1 | 219 | 4.4 | 286 |
| Cyclohexanol | 14.7 | 49 | 13.6 | 56 | N/T | N/T | 6.2 | 382 |
| Ethanol | 17.1 | 5 | 16.3 | 6 | 8.6 | 146 | 4.3 | 216 |
| Formaldehyde 30-70% | 3.9 | 74 | 3.6 | 86 | 2.81 | 351 | 1.64 | 388 |
| Formic Acid | 9.2 | 365 | 7.3 | 378 | 16.2 | 247 | 10.4 | 286 |
| Freon 113 or TF | 23.1 | 12 | 24.6 | 13 | 14.8 | 360 | 8.6 | 380 |
| Glutaraldehyde | N/T | N/T | 0.18 | 480 | 0.1 | 480 | 0.1 | 480 |
| Hydrazine | 10.8 | 352 | 13.6 | 364 | 21.6 | 248 | 11.4 | 376 |
| Hydrogen Peroxide 30% | 15.1 | 253 | 16.3 | 248 | 5.8 | 360 | 4.9 | 360 |
| Isopropyl Alcohol 70% | 12.1 | 116 | 13.8 | 128 | 4.3 | 378 | 3.8 | 377 |
| Isopropyl Alcohol 90% | 7.1 | 150 | 6.2 | 156 | 4.3 | 378 | 2.14 | 389 |
| Methanol | 52.3 | 4 | 43.8 | 4.6 | 29 | 88 | 21 | 124 |
| Potassium Hydroxide | 20.2 | 235 | 18.4 | 246 | 13.2 | 273 | 9.3 | 386 |
| Povidone Iodine 10% | 7 | 280 | 6.8 | 283 | 23.7 | 253 | 16.4 | 275 |
| Quaternary Cleaners A5 by 3M | N/T | N/T | 0.82 | 53 | 13.8 | 140 | 0.9 | 173 |
| Triclosan | 0.03 | 266 | 0.03 | 342 | N/T | N/T | N/T | N/T |

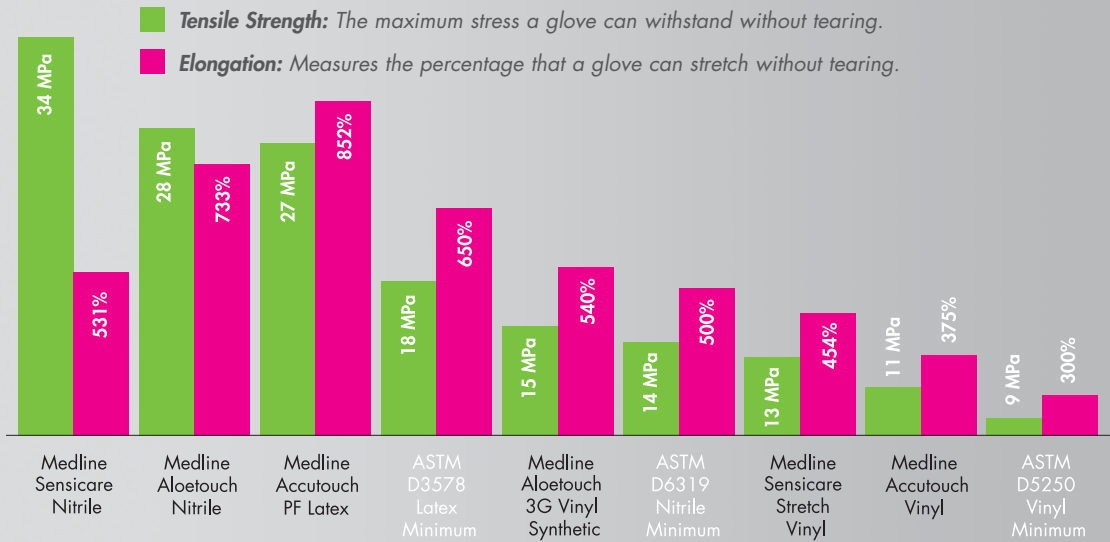
Rating Code: The basis of the rating code is breakthrough time in minutes only. We have color-coded the ratings for your convenience. The following table explains the rating system.

| | | | | | | | | | |
|--|---|--|--|--|--|--|------------------------|--|-------------------|
| | Not Recommended Breakthrough occurs in less than 30 minutes. Avoid use of the glove with this chemical. | | Caution Breakthrough occurs in 30 minutes to 2 hours. This glove is suitable for this chemical under careful control of its use. | | Recommended Breakthrough occurs after 2 hours. This glove is well suited for application with this chemical. | | Not Appropriate | | Not Tested |
|--|---|--|--|--|--|--|------------------------|--|-------------------|

Permeation rate measured in $\mu\text{g}/\text{cm}^2/\text{minute}$.

ASTM F739, Standard Method for Determining Resistance to Chemical Permeation Under Conditions of Continuous Contact. Testing completed by Lowenkamp R&D Laboratories Inc. Test reports on file.

Tensile Strength and Elongation



Item Index

| Description | | Quantity | x-small | small | medium | large | x-large |
|-------------|---|-----------|-----------|-----------|-----------|-----------|-----------|
| Aloe | Aloetouch Ultra IC PF Stretch Vinyl | 1000/case | MDS195073 | MDS195074 | MDS195075 | MDS195076 | MDS195077 |
| | Aloetouch 3G PF Stretch Vinyl | 1000/case | MDS195173 | MDS195174 | MDS195175 | MDS195176 | MDS195177 |
| | Aloetouch PF Latex—Textured | 1000/case | MDS195013 | MDS195014 | MDS195015 | MDS195016 | MDS195017 |
| | Aloetouch PF Nitrile | 1000/case | MDS195083 | MDS195084 | MDS195085 | MDS195086 | MDS195087 |
| | Aloetouch Sensicare | 2000/case | MDS195283 | MDS195284 | MDS195285 | MDS195286 | MDS195287 |
| | Aloetouch PF 12" Nitrile | 500/Case | — | MDS195184 | MDS195185 | MDS195186 | MDS195187 |
| | Aloetouch PF 12" Nitrile Singles, Sterile | 400/case | — | MDS194081 | MDS194082 | MDS194083 | — |
| Vinyl | Universal 3G PF Stretch Vinyl | 1000/case | MDS196073 | MDS196074 | MDS196075 | MDS196076 | MDS196077 |
| | Sensicare PF Stretch Vinyl | 1000/case | — | 484311 | 484312 | 484313 | 484314 |
| | Advantage PF Stretch Vinyl | 1000/case | — | MSV501 | MSV502 | MSV503 | MSV504 |
| | Accutouch PF Vinyl | 1000/case | MDS192073 | MDS192074 | MDS192075 | MDS192076 | MDS192077 |
| | Sensicare PF Stretch Vinyl Singles, Sterile | 400/case | — | 484401 | 484402 | 484403 | — |
| Nitrile | MediGuard PF Nitrile | 1000/case | — | MG6001 | MG6002 | MG6003 | MG6004 |
| | Sensicare PF Nitrile | 1000/case | 484800 | 484801 | 484802 | 484803 | 484804 |
| | Sensicare Ice | 2000/case | 486800 | 486801 | 486802 | 486803 | 486804 |
| Latex | Accucare PF Latex—Textured | 1000/case | MDS191223 | MDS191224 | MDS191225 | MDS191226 | MDS191227 |
| | Accucare Plus PF Latex—Polymer-Coated | 1000/case | — | MDS191234 | MDS191235 | MDS191236 | MDS191237 |
| | MediGuard PF Latex—Smooth | 1000/case | — | MG1214 | MG1215 | MG1216 | MG1217 |
| | MediGuard PF Latex—Textured | 1000/case | — | MG8701 | MG8702 | MG8703 | MG8704 |
| | MediGuard Powdered Latex | 1000/case | — | MG1204 | MG1205 | MG1206 | MG1207 |
| | Eudermic MP—12" High Risk | 500/case | — | 485601 | 485602 | 485603 | 485604 |
| | Medline PF Latex Singles, Sterile | 400/case | — | MDS194134 | MDS194135 | MDS194136 | — |

PF = Powder-free



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