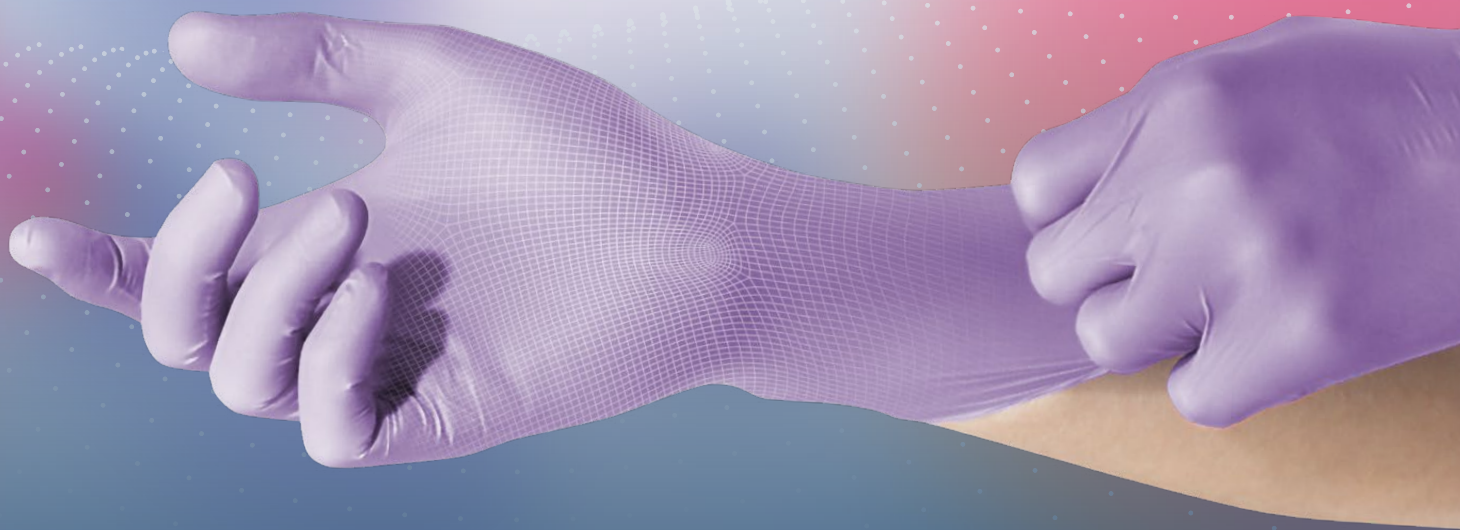


IT'S WHAT YOU  
**CAN'T SEE**  
THAT MATTERS



NITRILE EXAM GLOVE RANGE



DON'T WEAR THE RISK. **WEAR HALYARD**

# IT'S WHAT YOU CAN'T SEE THAT DELIVERS QUALITY

**Not all exam gloves are created equal.**

High performance and proven quality is critical in an environment where a breach caused by a nick or tear can lead to occupationally acquired infection.<sup>1</sup> HALYARD\* Nitrile Exam Gloves provide optimal protection and performance when you need it most.

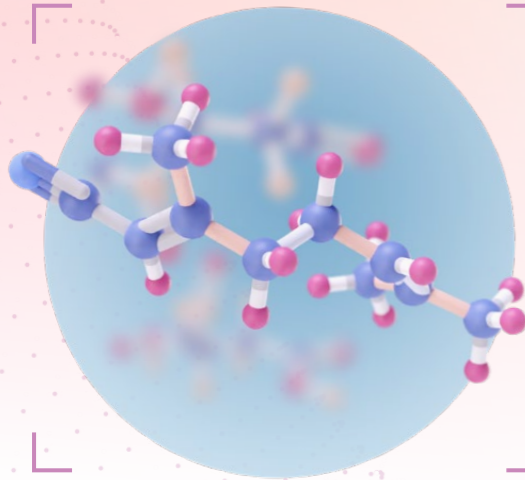


## THE HIGHEST QUALITY NITRILE, NO FILLER

Low quality, low cost gloves are often made with filler ingredients, such as clay or calcium carbonate.<sup>2</sup>

Calcium carbonate – commonly known as chalk – irritates eyes, nose, mucous membranes, and skin. Despite this, it remains one of the most widely used low cost fillers in the manufacture of poor quality nitrile exam gloves.<sup>3</sup> Gloves made with fillers are more likely to tear, have quality issues and compromise healthcare worker protection.<sup>4</sup>

**HALYARD\* Nitrile Exam Gloves are made with only the highest quality raw materials, pass stringent quality controls and are filler free.<sup>5</sup>**



NITRILE MOLECULES



## ESTABLISHED BRAND

COVID-19 created an influx of first-time glove manufacturers with limited expertise, flooding the market with low quality, poorly made gloves that break or tear easily, increasing the risk of infection.<sup>6</sup>

**HALYARD\* Nitrile Exam Gloves are designed and manufactured with more than 22 years' experience, producing consistently high quality gloves.<sup>7</sup>**



## 60% LESS LIKELY TO HAVE DEFECTS

AQL (Acceptable Quality Level) is an indicator of glove quality. The lower the AQL, the higher the product quality and lower the incidence of pin-holes and other defects, which can create a barrier breach and ultimately lead to infection.

HALYARD\* Nitrile Exam Gloves exceed the ASTM D6319 glove standard, providing an AQL as low as 1.0 and 1.5.<sup>8</sup>

**The impact of these significantly lower AQL scores is reflected in the reduced likelihood of defects, as:**

- A glove with an AQL rating of 1.0 is 60% less likely to have defects compared to a nitrile exam glove with an AQL of 2.5.<sup>9</sup>
- A glove with an AQL of 1.0 is 33% less likely to have major defects, compared to a glove with an AQL of 1.5.<sup>10</sup>



The lower the AQL, the higher the product quality

## HOW TO SPOT AN INFERIOR GLOVE

## BEWARE OF FILLERS

Nitrile is a man-made rubber, made from synthetic polymers including butadiene and acrylonitrile. Butadiene creates flexibility and tear resistance, whilst acrylonitrile enhances chemical resistance.

Poor quality or low cost nitrile gloves, often use 'fillers' to reduce costs, such as clay, calcium carbonate and silica. Fillers possess poor strength and flexibility properties, resulting in gloves that can tear easily and provide low chemical resistance.<sup>11</sup>

HALYARD\* manufactures Nitrile Exam Gloves, made from quality butadiene and acrylonitrile providing the right balance of performance and protection.



DON'T WEAR THE RISK. WEAR HALYARD

# IT'S WHAT YOU CAN'T SEE THAT DELIVERS QUALITY



## 26 QUALITY CHECKS PROVIDE CONFIDENCE

Stringent internal manufacturing controls require each batch of HALYARD\* Nitrile Exam Gloves to pass **26 quality checks**, providing the highest level of confidence in glove performance, quality, and protection.<sup>12</sup>

HALYARD\* Nitrile Exam Gloves are engineered to perform.



## OPTIMAL BALANCE OF STRENGTH AND TACTILE SENSITIVITY

Nitrile exam glove manufacturing is an art, from sourcing the highest quality raw materials to developing the optimal curation times.

HALYARD\* has developed expertise in the design and manufacture of nitrile exam gloves, optimising the balance of strength and weight, to create a thinner glove for tactile sensitivity, whilst meeting the ASTM D6319 standard for superior protection.<sup>13</sup>



## IDEAL FOR STOCKPILING – SAVE UP TO 67% STORAGE SPACE

The COVID-19 pandemic has established a new benchmark in the criticality of stockpiling.

HALYARD\* Nitrile Exam Gloves:

- ✓ Offer up to a 5 YEAR SHELF LIFE<sup>14</sup>
- ✓ Feature increased pack sizes of up to 3000 eaches per case, saving you up to 67% STORAGE SPACE\*<sup>15</sup>

\*compared to standard 100 count boxes



DON'T WEAR THE RISK. WEAR HALYARD

A Vertically Integrated Supply Chain delivers you confidence in quality, at every step of the process:



## DESIGNED AND MANUFACTURED BY HALYARD

HALYARD\* operates a **vertically integrated supply chain**, owning and operating a world class, award winning, glove manufacturing facility. Further, we ensure all gloves manufactured by our partner suppliers, meet our highest quality standards.

This control ensures HALYARD\* Nitrile Exam Gloves are custom designed and manufactured, providing you and your staff confidence in performance and protection.

Halyard's manufacturing facility in Thailand



### HALYARD

**INNOVATION**  
Investing in new glove technologies

**DESIGN**  
Designing unique glove formulations

**RAW MATERIALS**  
Sourcing high quality raw materials

**MANUFACTURING**  
Ensuring gloves are manufactured to strict quality standards

**SHIPPING**  
Surge supply delivered when you need it most

**YOU**  
Protecting you and your staff with reliable quality gloves

**PATIENTS**

Some suppliers purchase off-the-shelf products and ship direct to their customers

## HOW TO SPOT AN INFERIOR GLOVE

## BEWARE OF BRICKING

Poorly manufactured gloves that are not dried or stacked properly will stick together, known as 'bricking'.

Bricking results in gloves that are crinkled, making them harder to don and impacting tactile sensitivity.

The combination of the unique HALYARD\* Nitrile Exam Glove formulation, manufacturing processes and expertise, ensures an optimal balance of drying, stacking and collation. This avoids the inefficiency, waste, cost and quality issues associated with bricking.



# IT'S WHAT YOU CAN'T SEE THAT DELIVERS COMFORT

**With healthcare workers wearing more PPE than ever before, comfort is a critical factor when considering nitrile exam glove brand choice.** Poor quality nitrile exam gloves can cause skin irritation, compromising tactile sensitivity and clinical outcomes. HALYARD\* Nitrile Exam Gloves reduce the potential for skin irritation and provide better tactile sensitivity, less hand fatigue and supports superior softness, coolness and comfort.



## NOT MADE WITH NATURAL RUBBER LATEX

Latex and natural rubber latex sensitivity is estimated to occur in 5-18% of healthcare workers.<sup>16</sup>

Prolonged exposure to latex and natural rubber latex is known to cause a wide range of sensitivities from Irritant or Allergic Contact Dermatitis to a Latex Allergy. Symptoms include dry, crusty hard bumps, cracked skin and redness.<sup>17</sup>

**HALYARD\* Nitrile Exam gloves are not made with natural rubber latex or latex, greatly reducing the risk of allergies.<sup>18</sup>**



## RINSED 3 X TIMES TO REDUCE HARMFUL CHEMICALS

Gloves that contain excess chemicals can contaminate users and processes, whilst compromising skin health, exacerbating occupational health and safety outcomes.

**HALYARD\* Nitrile Exam Gloves are manufactured from the purest form of nitrile and rinsed 3 times to remove harmful chemicals, resulting in a clean glove, minimising the chance of allergies.<sup>19</sup>**



## PREFERRED TACTILE SENSITIVITY

HALYARD\* Nitrile Exam Glove formulations provide thin yet durable gloves, offering the right balance between protection and comfort.

**In a use test, over 85% of healthcare professionals significantly preferred HALYARD\* LAVENDER\* Nitrile Exam Gloves over two leading 'stretch' vinyl exam gloves for tactile sensitivity, easier finger and hand movement, less hand fatigue, softness, coolness and comfort.<sup>20</sup>**



## OPTIMAL SKIN HEALTH (ISO 10993-10)

Poor quality nitrile exam gloves, made with irritant chemicals, can be detrimental to skin health, resulting in dry, cracked, irritated and sore hands, impacting healthcare workers' dexterity and ability to effectively care for patients.

**HALYARD\* Nitrile Exam Gloves meet the ISO standard for Skin Sensitization and Primary Skin Irritation (ISO 10993-10\*).<sup>21</sup>**

\*ISO 10993-10 is designed to reduce the potential for a product to induce skin irritation from direct exposure, including Type-IV delayed hypersensitivity immunological dermal response, from contact over time.



## HOW TO SPOT AN INFERIOR GLOVE

## BEWARE OF ALLERGIES

Latex-sensitive patients and Healthcare workers face serious risk from any product containing latex.

There are three common reactions associated with latex glove use:

- 1 Irritant Contact Dermatitis
- 2 Allergic Contact Dermatitis or Delayed Hypersensitivity
- 3 Latex Allergy

Irritant/Allergic Contact Dermatitis can lead to Latex Sensitivity. Latex Sensitivity develops after repeated exposure to natural rubber latex.<sup>22</sup>

When the level of sensitisation reaches an individual's unique threshold, symptoms will present on subsequent exposures to latex allergens, with the individual then considered Latex Allergic.<sup>23</sup>

**HALYARD\* Nitrile Exam Gloves are not made with natural rubber latex or latex, greatly reducing the risk of allergies for you and your team.**



**DON'T WEAR THE RISK. WEAR HALYARD**

# IT'S WHAT YOU CAN'T SEE THAT DELIVERS PROTECTION

## Not all nitrile exam gloves offer the same level of protection.

The pandemic has highlighted that healthcare facilities cannot compromise on PPE protection. With superior performance exceeding glove standards, HALYARD\* Nitrile Exam Gloves offer the highest level of barrier protection.



### PROTECTION AGAINST UP TO 52 CYTOTOXIC DRUGS AND DANGEROUS CHEMICALS

Cytotoxic drugs represent a significant risk to healthcare workers. When a patient has received chemotherapy, your staff need a glove purpose designed to provide increased protection against exposure to carcinogenic fluids.

UP TO  
43  
DRUGS  
TESTED

The HALYARD\* range of EVERYDAY Nitrile Exam Gloves, including LAVENDER\*, AQUASOFT\* and STERLING\*, provide protection against 13 to 43 commonly used cytotoxic drugs and dangerous chemicals.<sup>24</sup>

UP TO  
52  
DRUGS  
TESTED

HALYARD'S\* range of SPECIALTY gloves, including PURPLE\*, PURPLE NITRILE-XTRA\* and PURPLE NITRILE\* MAX are tested against 29 to 52 cytotoxic drugs and dangerous chemicals\*, providing the highest level of protection.<sup>25</sup>

\*Refer to the label for a full list of drugs tested, their dosage and breakthrough times.



### PROTECTION THAT EXCEEDS THE STANDARDS

The COVID-19 pandemic saw a significant increase in the supply of exam gloves that failed to comply with local or international regulatory standards.

All single-use nitrile exam gloves in the healthcare setting are required to meet local or international glove standards, such as ASTM D6319.

HALYARD\* Nitrile Exam Gloves are FDA approved and entered on the ARTG, exceeding ASTM glove standards for AQL and Aging\*, providing you and your staff confidence in protection.<sup>26</sup>

\*HALYARD\* Nitrile Exam Gloves exceed the ASTM D6319 for AQL on freedom from holes defects and tensile strength aging properties.



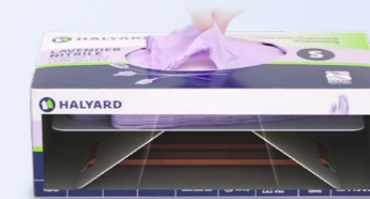
### UNIQUE PATENTED DISPENSERS PROVEN TO REDUCE COST, WASTE AND CONTAMINATION

Glove dispensing units that allow excessive gloves to fall on the floor increase waste and facility costs.

The HALYARD\* patented **SmartPULL\*** and **EcoPULL\*** dispenser systems are designed to reduce contamination waste and cost, by ensuring only one glove is dispensed at a time.

#### HALYARD ECOPULL\* DISPENSER

The EcoPULL\* Exam Glove Dispenser Box has an internal mechanism which lifts as you remove gloves, providing:



**50% REDUCED CONTAMINATION<sup>27</sup>**  
by eliminating reach-ins



**76% WASTE REDUCTION<sup>28</sup>**  
by reducing bunching, sticking, multiple dispensing and tearing



**\$114,000 SAVINGS INCREASE<sup>29</sup>**  
for a hospital that purchases \$1,000,000 in gloves annually

#### HALYARD SMARTPULL\* DISPENSER

The SmartPULL\* Exam Glove Dispenser Box has two openings to allow for better glove dispensing, reducing total waste by an average of **38.2%**.<sup>\*\*30</sup>



STEP 1

STEP 2



**38.2% WASTE REDUCTION<sup>30</sup>**

## HOW TO SPOT AN INFERIOR GLOVE

## BEWARE OF CONTAMINATION & WASTE

Many common glove dispensers are wasteful and can be unhygienic. More gloves than needed can fall on the floor or are put back into the dispenser box.

As the box empties, aseptic access becomes challenging, with users needing to reach further into the box to retrieve gloves, potentially contributing to glove contamination.

HALYARD\* Nitrile Exam Gloves are designed to prevent multiple glove dispensing and waste, via our patented, two step SmartPULL\* and EcoPULL\* dispensing systems.



DON'T WEAR THE RISK. WEAR HALYARD

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\*\*Compared to one of the leading competitors

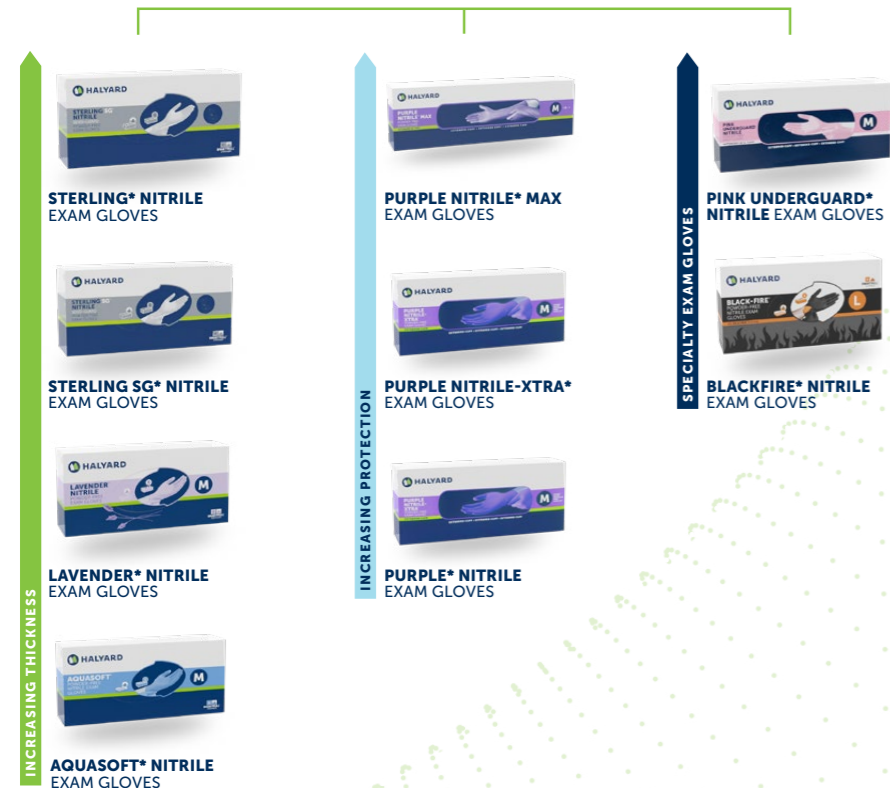
# A GLOVE SOLUTION FOR ALL YOUR PROTECTION NEEDS

From EVERYDAY facility wide gloves, to SPECIALTY gloves that offer increased protection against cytotoxic drugs and dangerous chemicals, the HALYARD\* Nitrile Exam Glove range provides confidence in protection, regardless of the clinical setting.



## HEALTHCARE

HEALTHCARE, AGED CARE, DENTISTRY, GP'S, LABORATORY



DON'T WEAR THE RISK. WEAR HALYARD



## CORPORATE SOCIAL RESPONSIBILITY

O&M Halyard respects international social compliance and environmental principles aimed at promoting and protecting human rights and the environment.

In addition, O&M Halyard policies align with the goals of several international standards, including the International Labor Organization's Declaration on Fundamental Principles and Rights at Work.

To harmonise our workplace with our policies, we run a local 'Happy Workplace' program, focusing on the well-being of our employees, local communities and the environment.

For three consecutive years, the Halyard Safeskin Manufacturing plant has been awarded the Thailand Labour Management Excellence award, in recognition of O&M Halyard's commitment to labour relations and welfare, our OHS (Occupation Health and Safety) practices, and adherence to Thai labour standards.



2019, 2020 & 2021

THREE CONSECUTIVE YEARS

Thailand's Labor Management Excellence Award

# ENVIRONMENTAL RESPONSIBILITY



## ENVIRONMENTAL AWARD-WINNING MANUFACTURING

The HALYARD\* Safeskin manufacturing facility in Thailand has been consistently recognised for environmental best practice, receiving awards for river conservation, fish release programs and tree planting to prevent soil erosion.



## PACKAGING MADE WITH UP TO 95% RECYCLED MATERIAL

HALYARD\* is committed to sustainably supplying protection, with our patented nitrile exam glove dispensers and cartons, made with up to 95% recycled material.<sup>31</sup>



## GLOVES MADE WITH 92% RENEWABLE ENERGY

The HALYARD\* manufacturing facility is purpose designed, using 92% renewable energy<sup>32</sup>, from sustainable by-products of rubber tree plantations, instead of fossil fuels, as part of the manufacturing process.



## ENVIRONMENTAL AWARDS



2013 Outstanding River Restoration and Conservation Award



2015 Green Industry Level 5 Award



2016 Role Model Factory in River Restoration and Conservation Award



2020 Eco Factory Gold+ Award



# HALYARD NITRILE EXAM GLOVES DELIVER QUALITY, COMFORT AND PROTECTION

## ITS WHAT YOU CAN'T SEE THAT DELIVERS QUALITY:

- ✓ Made with the highest quality nitrile and Filler Free
- ✓ 60% less likely to have defects due to an AQL of 1.0
- ✓ Designed and manufactured with over 20+ years' experience
- ✓ 26 quality checks, providing confidence in glove quality
- ✓ Optimal balance of Strength and Tactile Sensitivity
- ✓ Provide an ideal stockpile solution for Pandemic Preparedness:
  - Up to 5 year shelf life
  - Save up to 67% storage space

## ITS WHAT YOU CAN'T SEE THAT DELIVERS COMFORT:

- ✓ Not made with Natural Rubber Latex
- ✓ Rinsed 3 x times to reduce harmful chemicals
- ✓ Meets ISO 10993-10, indicating low irritation and optimal skin health
- ✓ Preferred Tactile Sensitivity

## A GLOVE SOLUTION FOR ALL YOUR PROTECTION NEEDS:

- ✓ From EVERYDAY facility-wide to SPECIALITY gloves, providing increased protection
- ✓ Gloves designed for: Healthcare, Aged Care, Dentistry, GP's, Laboratories

## ITS WHAT YOU CAN'T SEE THAT DELIVERS PROTECTION:

- ✓ Chemotherapy Protection:
  - Tested against 13 to 43 cytotoxic drugs on HALYARD\* Nitrile EVERYDAY, facility-wide gloves
  - Tested against 29 to 52 cytotoxic drugs, on HALYARD\* Nitrile SPECIALTY glove range
- ✓ Unique Patented Dispenser
  - SmartPull\* reduces total waste by an average of 38.2%
  - EcoPull\* reduces contamination by 50% and waste by 76%
- ✓ Exceeds Glove Standards:
  - Exceeds AQL<sup>33</sup> (1.0 vs. 2.5)
  - Exceeds Tensile Strength<sup>34</sup> (23MPa vs 14MPa)

## ENVIRONMENTAL RESPONSIBILITY:

- ✓ Dispenser and Cartons made with up to 95% recycled material
- ✓ Gloves made using 92% Renewable energy
- ✓ Award-winning Environmental Manufacturing Facility

## CORPORATE SOCIAL RESPONSIBILITY:

- ✓ O&M Halyard policies align with international standards
- ✓ Award-winning manufacturing facility for Labour Management

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## References

1.Hübner, NO., Goerd, AM., Mannerow, A. et al. The durability of examination gloves used on intensive care units. BMC Infect Dis 13, 226 (2013); 2 & 4. <https://blog.eagleprotect.com/are-you-paying-for-cheap-glove-fillers>; 3. CDC: Occupational Safety and Health Guideline for Calcium Carbonate; 1995; 5. Data on file; 6. ONG, S. (2020). 'Hartelega not worried of glove glut or new entants due to high demand for gloves.'; 7-10. Data on file; 11. <https://blog.ammex.com/how-nitrile-and-vinyl-gloves-are-made/#:Yiq3K3pBwZB>; 12-33. Data on file

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**DON'T WEAR THE RISK. WEAR HALYARD**



HALYARD\* is an Owens & Minor brand

# IT'S WHAT YOU CAN'T SEE THAT DELIVERS PROTECTION

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Glove dispensing units that allow excessive gloves to fall on the floor, increases waste and facility costs.

The HALYARD\* patented **SmartPULL\*** Exam Glove Dispenser Box has two openings to allow for better glove dispensing reducing total waste by an average of 38.2%.<sup>\*\*27</sup>



#### STEP 1:

Remove the perforated carton opening at Tab 1. The smaller opening helps prevent multiple dispensing and glove waste.



#### STEP 2:

As the box empties and becomes difficult to reach inside, remove the opening indicated by Tab 2. Continue dispensing as you would from a traditional glove carton.

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\*\*Compared to one of the leading competitors

## HOW TO SPOT AN INFERIOR GLOVE

## BEWARE OF CONTAMINATION & WASTE

Many common glove dispensers are wasteful and can be unhygienic. More gloves than needed can fall on the floor or are stuffed back into the dispenser box.

As the box empties, aseptic access becomes challenging, with users needing to reach further into the box to retrieve gloves, potentially causing glove contamination.

HALYARD\* Nitrile Exam Gloves feature **SMART-PULL\*** dispensing technology, designed to prevent multiple dispensing and glove waste, via the two-step perforated opening system.



DON'T WEAR THE RISK. WEAR HALYARD