



## GAMMEX® POWDER-FREE GLOVE WITH AMT™ ANTIMICROBIAL TECHNOLOGY

### Not only does it feel like a second skin, it has its own immune system

GAMMEX® Powder-Free with AMT delivers protection even when a glove breach goes unnoticed.\* Realised through extensive Ansell research and development, the glove features a unique inner coating – containing chlorhexidine gluconate (CHG) for ongoing antimicrobial action.

### When a glove is breached, healthcare workers can be exposed to a wide range of pathogens including Hepatitis C and HIV

- An overwhelming 61% to 83% of glove breaches go unnoticed, posing a risk to the glove wearer.<sup>1,2</sup>
- Bacteria pass to the healthcare worker through glove breaches resulting from normal wear. Direct bacterial transmission from the patient was detected in 54.5% of gloves with a breach.<sup>3</sup>
- Double gloving significantly reduces the incidence of breaches in the inner glove, but does not eliminate them. Research data show that punctures occurred in both the inner and outer gloves in 9% to 18% of cases, depending on the type and duration of surgery.<sup>2,4,5</sup>

### Proven effective against viruses and bacteria

During in vitro laboratory testing, GAMMEX® Powder-Free with AMT:

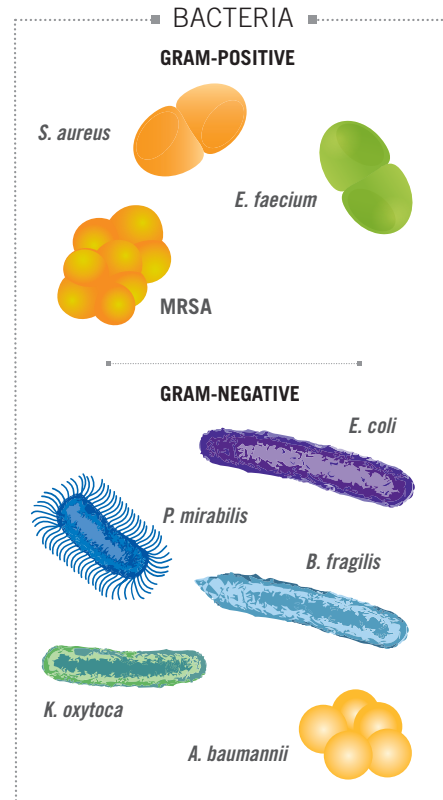
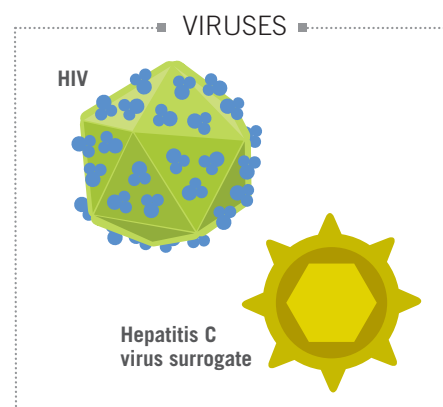
- Kills >99% of an HCV surrogate and 99% of HIV-1 strain Mn as early as 1 minute following exposure.<sup>#</sup>
- Kills >99.7% to >99.9% of 8 common healthcare facility associated infection bacteria, comprising gram-positive, gram-negative, and drug-resistant bacteria following a 1 minute contact time.
- Kills >99.99% of *S. aureus* as early as 2 minutes in the presence of blood, normal saline, and artificial sweat.

In vivo laboratory testing confirms that the internal antimicrobial coating remains active against *Staphylococcus aureus* after 2 hours of wear.

### Kind on hands

- No evidence of skin sensitisation found during human study conducted in the laboratory.

### KILLS A WIDE RANGE OF PATHOGENS



References: 1. Eklund AM, Ojajarvi J, Laitinen K, Valtonen M, Werkkala KA. Glove punctures and postoperative skin flora of hands in cardiac surgery. *Ann Thorac Surg.* 2002;74:149-153. 2. Thomas S, Agarwal M, Mehta G. Intraoperative glove perforation – single versus double gloving in protection against skin contamination. *Postgrad Med J.* 2001;77:458-460. 3. Hübner N-O, Goerdts A-M, Stanislowski N, et al. Bacterial migration through punctured surgical gloves under real surgical conditions. *BMC Infect Dis.* 2010;10:192. 4. Harnoff J-C, Parteecke L-I, Heidecke C-D, Hübner N-O, Kramer A, Assadian O. Concentration of bacteria passing through puncture holes in surgical gloves. *Am J Infect Control.* 2010;38:154-158. 5. Thomas S, Agarwal M, Mehta G. Intraoperative glove perforation – single versus double gloving in protection against skin contamination. *Postgrad Med J.* 2001;77:458-460.

\* GAMMEX® Powder-Free with AMT is not proven to protect against blood-borne infections where the skin is broken, cut, or punctured.

# HIV-1 strain Mn is a well-studied, virulent strain of HIV-1.



# ANTIMICROBIAL, STERILE, POWDER-FREE, NATURAL RUBBER LATEX SURGICAL GLOVES

## Special features

- Unique coating containing CHG for antimicrobial action in the event of a glove breach.
- Produced on Ansell's proprietary anatomic formers to provide superior comfort and softness with a natural fit.
- Thinner, softer latex formulation with shaped finger pads designed to further enhance sensitivity and dexterity.
- Optimal thumb positioning and a wider palm designed to enhance comfort and reduce fatigue in extended operations.
- Reduced carpal tunnel pressure when double donning.
- Tapered, straight cuff with adhesive.
- Polymer lining for easy donning and changing with damp and dry hands.
- Mild textured finish on palm surface that facilitates better instrument grip in wet and dry environments without compromising comfort.
- P.E.A.R.L. (Protein and Endogenous Allergen Reduction Leaching) technology that washes out residual proteins, chemical accelerators, and other residues for reduced risk of skin sensitisation.

## Quality standards

- Extended product testing for enhanced quality assurance.
- No evidence of causing delayed dermal contact sensitisation under the test condition according to ISO 10993 Part 10.
- Statistically tested for pinholes to GI; AQL of 1.0 after packing.
- Meets physical property requirements of EN455, ISO 10282, and AS/NZS 4179.

## Technical information

<b>Material</b>	Natural rubber Latex									
<b>Colour</b>	Cream, natural rubber latex									
<b>Dimensions (typical average values)</b>	<b>Size</b>	5.5	6	6.5	7	7.5	8	8.5	9	
	<b>Length (mm)</b>	290	290	290	290	290	290	290	290	
	<b>Palm width (mm)</b>	70	80	85	90	95	100	110	115	
<b>Thickness (typical average values)</b>	<b>Finger (mm)</b>	0.44		<b>Palm (mm)</b>		0.40		<b>Cuff (mm)</b>		0.40
	<b>Physical properties (typical average values)</b>					<b>Before aging</b>			<b>After aging</b>	
	<b>Elongation at break (%)</b>	860				890				
	<b>Force at break (N)</b>	16				15				

## Ordering information

Size	5.5	6	6.5	7	7.5	8	8.5	9
Code	4150AMT	4151AMT	4152AMT	4153AMT	4154AMT	4155AMT	4156AMT	4157AMT
Packaging	25 pairs per box/4 boxes per carton							

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