



# TRIOMED™

## Active Surgical and Medical Mask

A critical technological advance in the field of surgical and medical masks: TRIOMED™ incorporates a powerful antimicrobial to control microbiological contamination on the external surface of the mask.

### Key features:

- TrioMed™ Active Surgical and Medical Mask with antimicrobial protection. The outer layer is Activated with TrioMed's antimicrobial technology which decontaminates harmful pathogens that may come in contact with its external surface.
- Ear-loop design offering great comfort
- Latex free, non-cytotoxic and non-irritating
- Meets EU EN 14683 Type IIR
- Meets USA ASTM F2100 Level 3
- Available sizes: M/L
- Packaging: 50 masks/box & 5 masks/pouch
- 5 year shelf life



Health Canada  
MDEL # 6379

### Advantages of the TRIOMED™ Active Surgical and Medical Mask:

- Proven to kill on the external surface at least 99.9% of Staphylococcus aureus MRSA, Streptococcus pyogenes, Enterococcus faecalis VRE, Klebsiella Pneumoniae, Pseudomonas aeruginosa, Escherichia coli, Acinetobacter baumannii, Coliphage virus MS2, and Influenza A H1N1 in 5 minutes<sup>1</sup> or less.
- Proven to kill on the external surface at least 99.9% of Coronavirus Sars-Cov-2 in 5 minutes.
- Provides >99.9% Viral Filtration Efficiency (VFE) reducing the potential for an aerosolized suspension of viruses on the surface of the mask<sup>2</sup>.
- Provides >99.9% Bacterial Filtration Efficiency (BFE) reducing the potential for exposure to aerosolized bacteria<sup>3</sup>.
- Fluid resistant at highest level of protection (160 mmHg) meeting the ASTM F1862 Standard to reduce the risk of wearer contact with blood or body fluids.

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# Triomed™ Active Antimicrobial Technology kills >99.9% of microorganisms on its external surface.



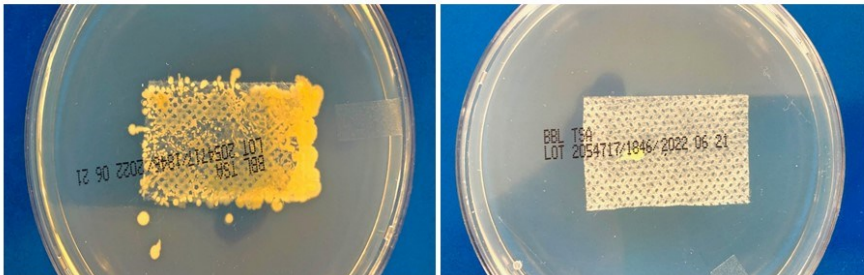
Scientific and clinical studies indicate that the external surfaces of medical devices commonly used in healthcare settings are contaminated with pathogenic bacteria and viruses.

On April 2, 2020 The Lancet Microbe published an article demonstrating that the **Coronavirus COVID-19 survives on the external surface of facemasks for up to 7 days.**

The patented TRIOMED™ technology incorporates a broad-spectrum and powerful Tri-Iodide antimicrobial engineered to reduce the risk of transmission.

## Mask & respirator (N95) external surface contamination test

Samples of each of the masks/respirators (N95) were worn for 30 min., and the external surface was plated directly. The plates were then incubated for 48hrs at 32° C.



Commercially available mask/respirator (N95)

vs

Triomed Active mask

**Conclusion:** As evidenced by the pictures above, the outside surface of the commercially available mask/respirator (N95) is contaminated with microbes, while the Triomed Active mask stays clean.

1. Based on a modified AATCC 100 test method of the outer most fabric only. This testing does not factor in the fit of the mask and gaps between the wearer's face and the mask.  
2. Based on a modified ASTM F2101 test method for respirators in which only the material was exposed to an aerosolized suspension of  $\phi$ X174 bacteriophage. This testing does not factor in the fit of the mask and gaps between the wearer's face and the mask.  
3. Based on ASTM F2101-19 and EN14683:2019 test method for fabrics exposed to aerosolized Staphylococcus aureus bacteria. This testing does not factor in the fit of the mask and gaps between the wearer's face and the mask.