



# 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

### 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 15 minutes or less.
- **Provides >99% Viral Filtration Efficiency (VFE)** reducing the potential for airborne transmission of viruses.
- **Provides >99% Bacterial Filtration Efficiency (BFE)** reducing the potential for exposure to airborne bacteria.
- **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.



**I3 BIOMEDICAL**

14163 boul. Curé Labelle Suite 50  
Mirabel, Québec, Canada J7J 1M3  
triomed@triomed.com  
Tel: +1 438-792-6288  
WWW.I3BIOMEDICAL.COM

**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 **TRIO MED™** technology incorporates a broad-spectrum and powerful Tri-Iodide antimicrobial engineered to reduce the risk of transmission.

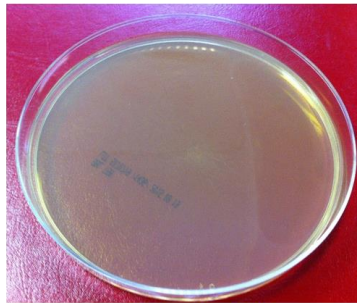
### Surgical Mask Contamination Test

Samples of each of the surgical masks were worn for 30 min, swabbed and plated. The plates were then incubated for 48hrs at 37°C.



Commercially available  
Surgical Mask

VS



TrioMed™  
Active Surgical Mask

**Conclusion:** As evidenced by pictures above, the outside surface of the commercially available mask is microbiologically contaminated, while the TrioMed™ Active Surgical Mask shows significantly reduced contamination.