



IonGuard® Smart Mask

IonGuard® Smart Masks represent the newest technical innovation in personal protective equipment. Through our unique process, we combine the quality of a 100% US-made, medical grade, 4-layer mask with the well-known antimicrobial, antifungal, and antiviral properties of metallic ions. Our smart masks actually contain 4 separate barriers to transmission. Both our inner and outer layers are made from spunbond polypropylene fabric that is fluid-resistant, which creates one set of barriers. The third barrier is our non-woven, melt-blown filter media that is ultrasonically welded to the construct. The last and most important barrier is generated when we then apply one of our 2 different proprietary ionic solutions to our filter media through a highly specialized process. This creates a self-cleaning and cohesive barrier from all types of airborne pathogens and from cross-contamination.

Our molecular technology is an ultra-thin and invisible layer that provides proven protection while maintaining its appearance, form, and function; it retains breathability and comfort while eradicating bacterial and viral loads. Once activated, the ions continue to eliminate any and all pathogens that come into contact with the mask. This means that unlike standard masks which should be changed every 30 minutes in high-risk environments, our masks can be safely worn all day. The self-disinfecting quality of IonGuard® allows you to safely wear the mask all day without the need to wash or clean it.





IonGuard® Smart Mask



Blue Filter 40x



White Light 40x



White Light 100x

IonGuard 5101® is our own proprietary formula that creates an ion charged construct of Silver and Titanium Dioxide. This dual threat formulation is specifically engineered to provide a multimodal approach to combat all types of bacteria and viruses. With our molecular infusion technology, we are able to produce a nano-mesh layer for superior protection.

Silver/Titanium Dioxide Properties - IG 5101® Solution

- Silver and Titanium Dioxide are the active ingredients in IonGuard 5101, which are constantly present in the filter media of our durable masks, ready to be released 24/7.
- Provides up to 99.9% reduction of Salmonella enterica, E. coli, MRSA and VRE; damages the cellular wall and causes loss of structural integrity. It also has strong antiviral and antifungal properties secondary to ion formation.
- The technology does not wash off, wear away, or leach out of the mask.
- The Titanium Dioxide is activated by UV rays to work in conjunction with Silver to greatly improve photocatalytic bacterial and viral inactivation.
- Silver stays inert until it comes into contact with a damp environment, which is provided by breathing; it then releases the antimicrobial silver - just enough to inhibit the bacteria's metabolism and prevent reproduction.
- The technology in IonGuard has been tested against human coronavirus, and the active ingredient in our formulation has been proven to kill SARS-CoV2.

IG 5101® (Ag/TiO₂)

 **USA**



www.ans-pak.com



IonGuard® Smart Mask



Blue Filter 40x



White Light 40x



White Light 100x

IonGuard 5275® is our own proprietary formula that creates an ion charged construct of Copper and Zinc Oxide. This dual threat formulation is specifically engineered to provide a multimodal approach to combat all types of bacteria and viruses. With our molecular infusion technology, we are able to produce a nano-mesh layer for superior protection.

Copper/Zinc Oxide Properties - IG 5275® Solution

- Copper and Zinc Oxide are the active ingredients in IonGuard 5275, which are constantly present in the filter media of our durable masks, ready to be released 24/7.
- Provides up to 99.9% reduction of Salmonella enterica, E. coli, MRSA, Pseudomonas aeruginosa, and VRE; copper has been shown to form a sanitizing barrier and prevent adhesion and growth of bacteria. It also has strong antiviral and antifungal properties secondary to ion formation.
- The activation of Zinc Oxide nanoparticles in IonGuard by UV rays allows the ions to penetrate the bacterial cell wall and cause apoptosis.
- Copper ions attract and trap most bacteria and viruses; the copper ions then penetrate the microbes and destroy their ability to replicate.
- The technology does not wash off, wear away, or leach out of the mask.
- The technology in IonGuard has been tested against human coronavirus, and the active ingredient in our formulation has been proven to kill SARS-CoV2.

IG 5275® (Cu/ZnO)



USA







IonGuard® Smart Mask

IonGuard 5101® comes in 2 standard colors, blue and sleek grey. In addition, all IonGuard® masks use our extra comfort ear loop. This provides another level of comfort to our extended wear IonGuard® Smart Masks.

ITEM #	TYPE	COLOR	CASE PACK	SKU
118-IGSM5101-BL	4-LAYER MASK	BLUE	40/10-400PCS	
118-IGSM5101-GY	4-LAYER MASK	GREY	40/10-400PCS	

IonGuard 5275® comes in 2 standard colors, blue and stylish black. In addition, all IonGuard® masks use our extra comfort ear loop. This provides another level of comfort to our extended wear IonGuard® Smart Masks.

ITEM #	TYPE	COLOR	CASE PACK	SKU
118-IGSM5275-BL	4-LAYER MASK	BLUE	40/10-400PCS	
118-IGSM5275-BK	4-LAYER MASK	BLACK	40/10-400PCS	

www.ans-pak.com



ANS-PAK, LLC
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made PPE in the USA

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