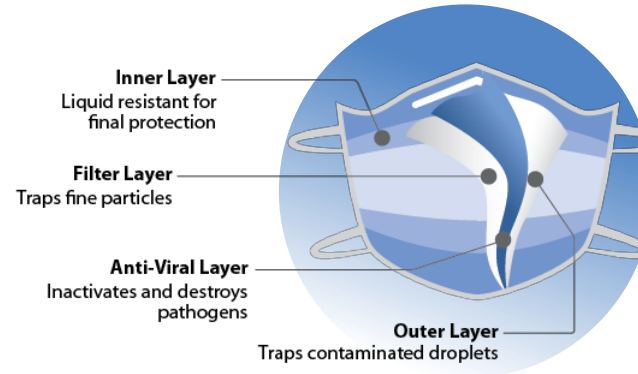




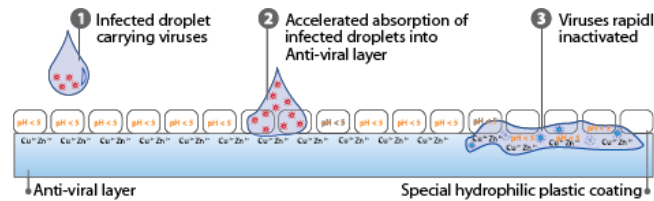
N95 Respirator Plus

➤ Surgical N95 respirator with active anti-viral protection

Four Layer Mask Construction

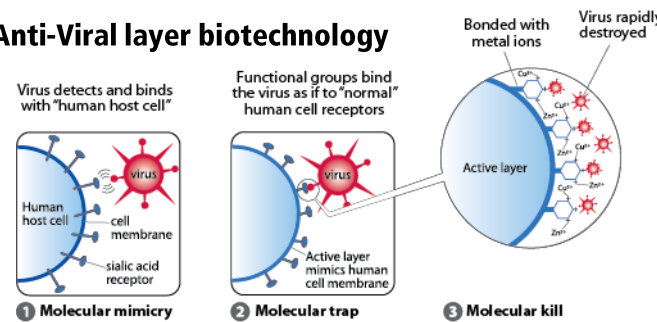


Active Protection – How It Works



1. The special outer layer coating is hydrophilic, allowing infectious laden droplets to be rapidly absorbed and trapped.
2. The special coating is a **low pH** environment which starts to denature and damage the surface membrane of viruses within 5 seconds.
3. Infected droplets are quickly wicked away from the outer surface into the Anti-viral layer where the viruses are trapped and inactivated.

Anti-Viral layer biotechnology



- The Anti-viral layer is a rayon material treated with active functional groups that mimic the binding of viruses to sialic acid on the surface of mammalian cells.
- Viruses trapped in this layer are exposed to high localized concentrations of copper and zinc ions which destroy the viruses through ionic interactions with proteins and RNA or DNA.

Effectiveness

* RespoKare N95 Respirator Plus is laboratory tested and US FDA cleared. It inactivates 99.99% of the following influenza viruses within 5 minutes when in contact with the outer layer of the mask. This is a 4-log reduction, which is a 10,000-fold improvement over ordinary masks.

Seasonal	Human (H1N1), A/Brisbane/59/2007 Human (H1N1), A/Wisconsin/10/1998 Human (H1N1), A/New Jersey/8/1976 Human (H3N2), A/Brisbane/10/2007 Human (H3N2), A/Wisconsin/67/2005 Human, B/Florida/4/2006 Human, B/Lee/40
Pandemic	Pandemic (H1N1), A/California/04/2009 Human (H2N2), A/2/JAPAN/305/1957
Avian	Avian (H5N1), NIBRG-14 Duck (H5N2), A/Duck/PA/10218/84 Avian (H9N2), A/Turkey/Wisconsin/1966
Swine & Equine	Swine (H1N1), A/Swine/1976/1931 Equine (H3N8), A/Equine/2/Miami/1963
Other	Human (H1N1), A/Puerto Rico/8/1934

In addition to the influenza viruses evaluated and cleared by the FDA, independent laboratory tests show that the N95 Respirator Plus mask also quickly destroys the following viruses and bacteria when in contact with the outer layer of the mask.

Pathogen	Inactivates
Coronavirus (incl. SARS-CoV-2) [†] within 1 minute	≥ 99.99%
Measles (Paramyxovirus) within 1 minute	≥ 99.99%
Rhinovirus (Type 16) within 1 minute	96.91%
MRSA within 30 minutes	99.93%
Herpes Simplex Virus (HSV Type 1) within 1 minute	≥ 99.41%
Respiratory Syncytial Virus (RSV) within 5 minutes	≥ 99.99%
Human Immunodeficiency Virus (HIV Type 1) within 5 minutes	≥ 99.99%
Feline Calicivirus within 5 minutes	99.9%

[†] Tested using human coronavirus 229E as surrogate.

Regulatory Standards and Certifications

- FDA cleared under product code ONT
- 510(k) number: K122702
- Suitable for medical use

NIOSH APPROVED: N95

TC-84A-7796
Greater than 95% filtration efficiency against solid and liquid aerosols that do not contain oil.



**Surgical N95 Respirator
High Barrier**

Comparison with Ordinary Masks

	0 second	5 seconds	10 minutes
Ordinary mask: Infected droplets remain on the surface of the mask, where it may cause contamination when touched.			
RespoKare® mask with patented layers: Infected droplets are wicked away from the surface of the mask, trapped and inactivated.			

Effective and Safe

- The outer layer coating does not restrict airflow.
- To assure safety, the anti-viral coatings are formulated from a combination of commonly used food additives recognized as safe by both the US and EU regulatory agencies.



Manufactured by:
Innox Technologies Ltd.
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Siu Lek Yuen, Shatin, Hong Kong
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www.respokare.com

Model Numbers

- RK-200-3040A (Small)
- RK-200-3041A (Medium)
- RK-200-3042A (Large)

Available Packaging

1 Piece Pack with Hanger

- Reusable bag with zip-lock
- Dimensions (incl. hanger): 190 x 145 x 0.7 mm (h/w/d)



5 Piece Pack with Hanger

- Individually plastic wrapped
- Box dimensions: 190 x 140 x 45 mm (h/w/d)
- Hanger height: 35 mm



10 Piece Pack with Hanger

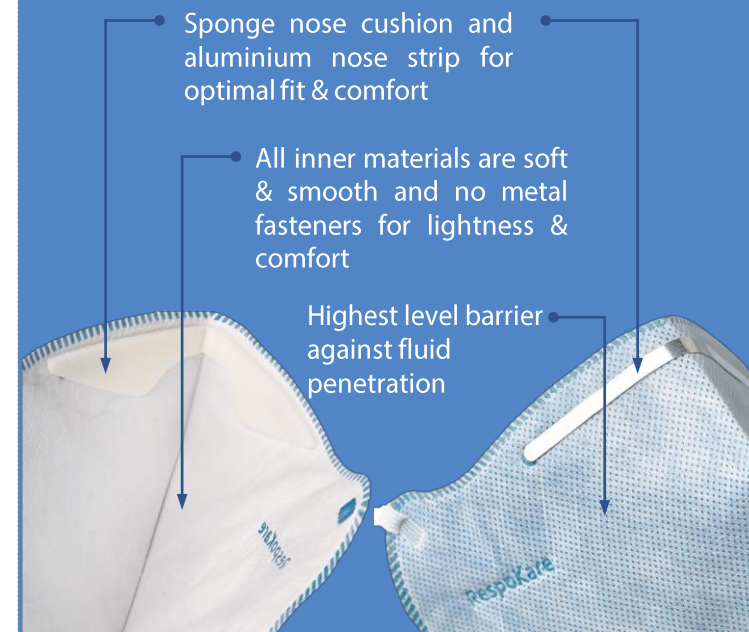
- Individually plastic wrapped
- Box dimensions: 190 x 140 x 90 mm (h/w/d)
- Hanger height: 35 mm



30 Piece Institution Pack

- Dispenser top, not individually wrapped
- Dimensions: 140 x 285 x 105 mm (h/w/d)

N95 Respirator Plus



Company Introduction

- Innox Technologies is a materials R&D company with numerous intellectual property (IP) rights and patented technology.
- Our Technologically Advanced Materials (TAM) are the proprietary active layers used in the RespoKare range.
- Mission: Bring advanced biotechnology to face masks, allowing people to

“Breathe better, Live healthier.”

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