

THE WORLD'S FIRST ANTIVIRAL SURGICAL MASK



STATUTORY PRODUCT CERTIFICATION

ASTM F2100 & EN 14683

ASTM F2100 LEVEL 2/3 ✓

EN 14683 TYPE IIR ✓



Viral activity reduction 99% of Human Coronavirus (TÜV SÜD) ✓

ASTM F2100 & EN 14683 (BFE ≥ 98%, PFE ≥ 98%) (TÜV SÜD) ✓

Antiviral activity against 99% of INFLUENZA VIRUS H1N1; 90% of POLIOVIRUS-I (Guandong Detection Center of Microbiology) ✓

GECCIDE - Antiviral activity against 99% of Human Coronavirus (EUROFINS) ✓

Kill 99% of SARS-CoV-2 (standard ISO 18184 Test) ✓

GECCIDE - Long lasting bactericidal activity (Bureau Veritas) ✓

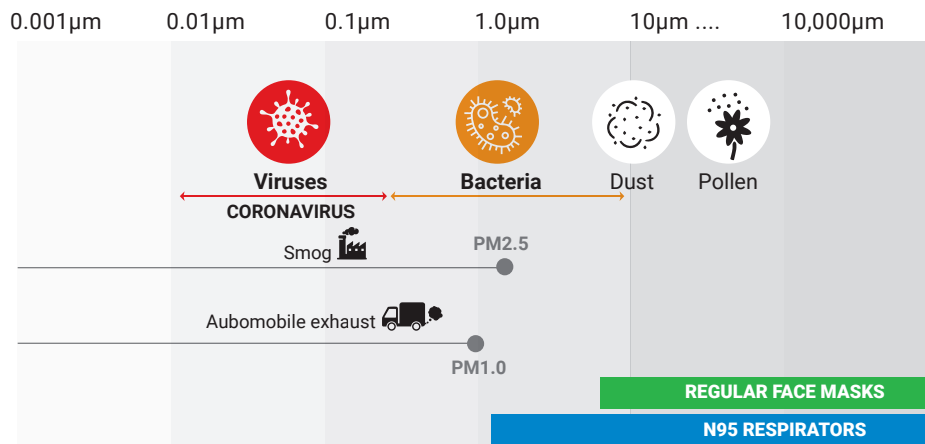
Antibacterial efficiency up to 99% (standard AATCC 100 Test) ✓

GECCIDE - Biosafety (standard ANSI/AAMI/ISO10993-5:2009) ✓

1. WHAT IS THE ISSUE WITH FACE MASKS?

ISSUE 1

Regular face masks are often tested for particle filtration efficiency with **0.3 microns** in diameter, while the size of **CORONAVIRUS** is smaller at range from **0.05-0.2 microns**. Therefore regular masks do not have the ability to completely trap the virus.



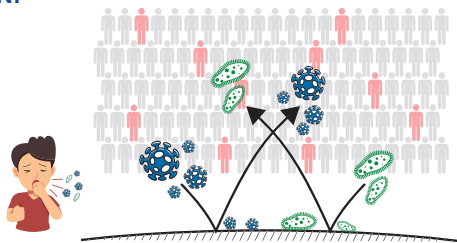
SOLUTION:

The Wakamono mask contains a Gecide Fabric layer which effectively captures pathogens and deactivates infectious viruses and bacteria

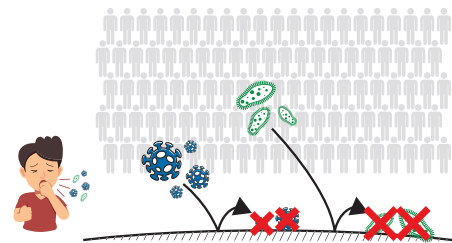
ISSUE 2

During and after use, face masks can become source of cross-contamination. This reason for this is that **CORONAVIRUS** can survive up to **7 days** on a face mask and could spread by incorrect handling or disposal.

SOLUTION:



A typical face mask can only trap viruses or bacteria on the surface and cannot deactivate the virus or bacteria



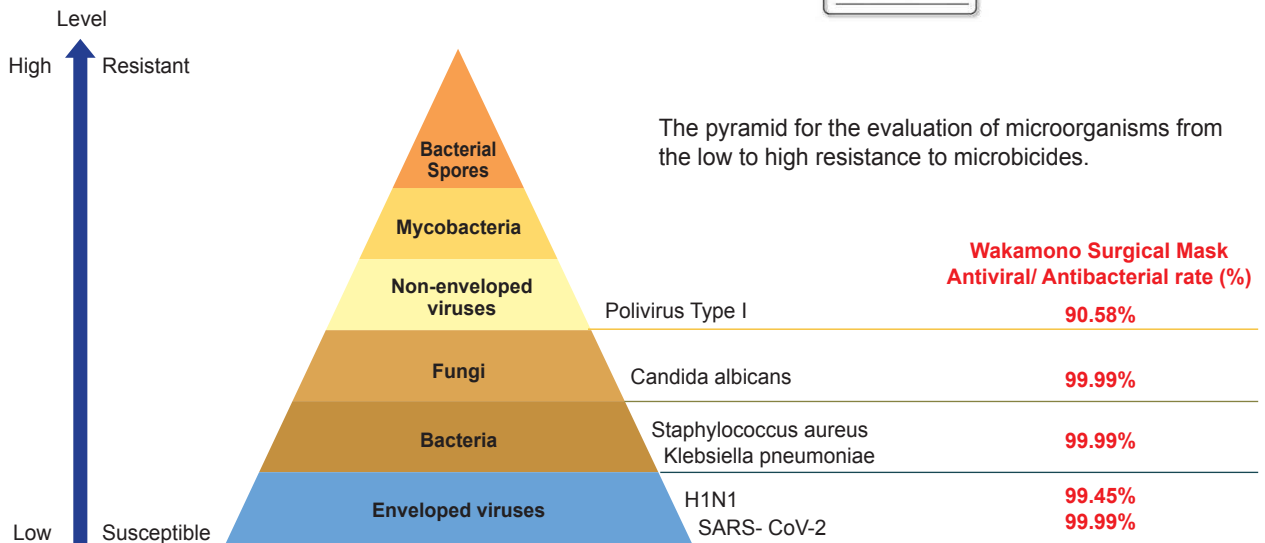
WAKAMONO Surgical Masks deactivate viruses and bacteria and prevent cross-contamination





ARTG No: 350490

2. ANTIVIRAL & ANTIBACTERIAL PROPERTIES



WAKAMONO Surgical Masks using the GECIDE FABRIC layer has been tested effective in deactivating enveloped viruses including SARS-CoV-2 and H1N1 influenza virus up to 99%, and non-enveloped virus-like Poliovirus-I by 90% according to the standard ISO 18184 testing methods completed by independent and reputable global laboratory tests.

3. STANDARDS & CERTIFICATES

WAKAMONO Surgical Masks have been certified as a **Type IIR** according to EN 14683 for CE certification (Europe standard) and **Level 3** according to ASTM F2100 for FDA certification (USA standard). Laboratory testing also certifies effectiveness against deactivating SARS-COV-2, Human Coronavirus and H1N1 influenza by up to 99%.

Characteristics	WAKAMONO MASK	FDA ASTM F2100-19			CE EN 14683		
		Level 1	Level 2	Level 3	Type I	Type II	Type IIR
BFE (%)	≥ 98	≥ 95	≥ 98	≥ 98	≥ 95	≥ 98	≥ 98
Delta P (mmH ₂ O/cm ²)	< 6.0	< 5.0	< 6.0	< 6.0	< 40 Pa/cm ²		< 60 Pa/cm ²
PFE (%)	≥ 98	≥ 95	≥ 98	≥ 98	Not required		
Flame Spread	Class 1	Class 1	Class 1	Class 1	Not required		
Splash Resistance (mmHg)	160	80	120	160	Not required		120
Antiviral efficiency (rate, %)							
• SARS-Cov-2	99.99	X	X	X	X	X	X
• Human Coronavirus	99.31	X	X	X	X	X	X
• Enveloped virus H1N1	99.45	X	X	X	X	X	X
• Non-enveloped virus Poliovirus-I	90.58	X	X	X	X	X	X
Antibacterial efficiency (rate,%)							
• Staphylococcus aureus	99.99	X	X	X	X	X	X
• Klebsiella pneumonia	99.99	X	X	X	X	X	X

All testing of WAKAMONO Surgical Masks are performed and certified by independent laboratories

