

4 Ply Surgical Mask

Technical Data Sheet

TGA listed, the disposable Surgical Face Mask, is an ASTM level 3 surgical mask, designed to be fluid resistant to the splash and spatter of blood and other potential infectious materials.

Inspira's Surgical Mask offers clinicians the comfort, protection, and breath-ability that they seek.



Features

- TGA Listed 335907
- Four Layer Design
- 2 Protective Filter Layers
- Fluid Resistant 160 mm Hg
- Flammability Rating Class I
- Adjustable nose clip
- Ear loop style
- Size 175mm x 95mm

The following materials are used in the production of the Surgical Face Mask:

Materials

Style	Flat Knitted Earloop
Nose Wire	200mm Aluminium
Attachment	Loop securement
Top Layer	Spun bond Polypropylene
Double Filter	Melt bond Non-woven
Double Filter	Melt bond Non-woven
Inner Layer	Spun bond Polypropylene

This mask does not contain components made from natural rubber latex



Designed For

Intended to be worn by Healthcare workers during surgical procedures or other health related tasks, to help protect both the wearer and others from the transfer of microorganisms, body fluids, and particulate material.

Always follow *User Instructions* and use in the manner indicated

Do Not Use for

- DO NOT use in industrial settings
- DO NOT use for gases or vapours (i.e. anesthetic gases such as isoflurane or vapours from sterilants such as glutaraldehyde.)
- DO NOT use in any manner not indicated in the *User Instructions*

Approvals and Standards

- ASTM F2100 level 3 - FIR No 112873
- BFE (Bacterial Filtration Efficiency) F2101 - >98%
- Resistance to Synthetic Blood 1862 - 160 mm Hg
- PFE (Particulate Filtration Efficiency) F2299 - >98%
- Delta P (Differential Pressure) MIL-M 36954C - <5.0
- Flame Spread 16 CFR part 1610 - Class 1
- Australia TGA listed 335907



Packaging	Product Code	Order Quantity
50 Masks / Box	INFML3	

Measuring fluid resistance, filtration and breath-ability ASTM categorises masks into three levels

ASTM Level 1

For procedures producing low amounts of fluid, spray and/or aerosols

Fluid Resistance

LEVEL 1



ASTM Level 2

For procedures producing light to moderate amounts of fluid, spray and/or aerosols

Fluid Resistance

LEVEL 2



ASTM Level 3

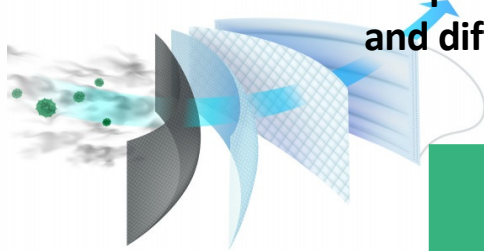
For procedures producing moderate to heavy amounts of fluid, spray and/or aerosols










Fluid Resistance

LEVEL 3



To meet ASTM standards, our masks undergo a series of tests for particle filtration (PFE), bacterial filtration (BFE) and differential pressure or breath-ability (ΔP)



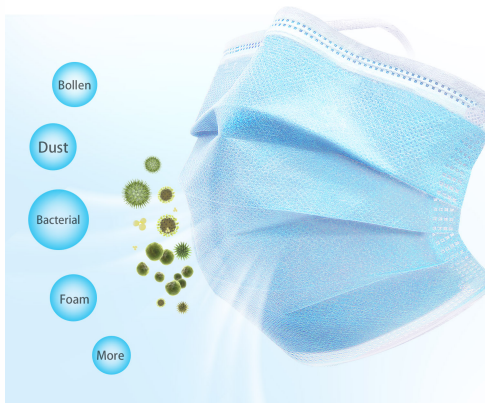
	Level 1 Low fluids	Level 2 Light to moderate fluids	Level 3 Moderate to high fluids
PFE at 0.1 micron ASTM F2299	 $\geq 95\%$	 $\geq 98\%$	 $\geq 98\%$
BFE at 3.0 micron ASTM F2101	 $\geq 95\%$	 $\geq 98\%$	 $\geq 98\%$
Delta P (ΔP) mm H ₂ O/cm ² MIL-M-36954C	 < 4	 < 5	 < 5

How small is a micron?

While an actual micron is not visible to the human eye, this magnified diagram demonstrates particulate size by comparing a micron to other common substances.

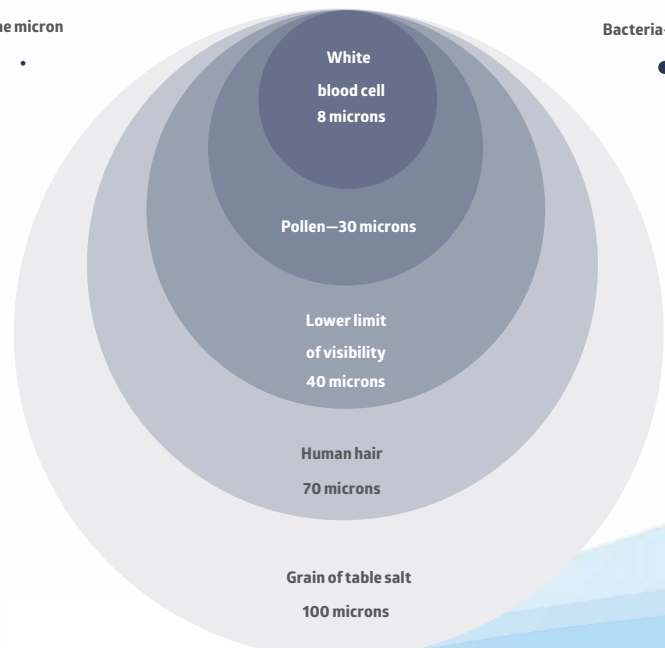
Medical grade standards

BFE > 98% PFE > 98%



One micron

Bacteria-2 microns



Scale is approximate.

When should you wear a face mask?

The World Health Organization (WHO) recommends using surgical masks only if you:

- have a fever, cough, or other respiratory symptoms
- are well but caring for someone with a respiratory illness — in this case, wear a mask when you're within 6 feet or closer to the person who is ill.

How to put on a surgical mask

If you need to wear a surgical mask, take the following steps to put one on correctly:

1. Before putting on the mask, wash your hands for at least 20 seconds with soap and water, or rub your hands together thoroughly with alcohol-based hand sanitiser
2. Check for defects in the face mask, such as tears or broken loops
3. Position the coloured side of the mask outward
4. Make sure the strip is at the top of the mask and positioned against the bridge of your nose
5. Hold the mask by both ear loops and place one loop over each ear
6. Mold the upper strip to the shape of your nose by pressing down on it with your fingers
7. Pull the bottom of the mask over your mouth and chin
8. Be sure the mask fits snugly

Don't touch the mask once in position

If the mask gets soiled or damp, replace it with a new one

Adjustable nose bridge clip

Built-in nose bridge clip. Adjustable camber to fit the face more



How to remove and discard a surgical mask

It is important to remove the face mask correctly to ensure you do not transfer any germs to your hands or face. Make sure you discard the mask safely.

Steps to taking off a face mask

1. Before you take off the mask, wash your hands well or use hand sanitiser
2. Avoid touching the mask itself, as it could be contaminated. Hold it by the loops only
3. Carefully remove the mask from your face once you unhook both ear loops
4. Holding the mask loops, discard the mask by placing it in a covered trash bin

After removing the mask, wash your hands thoroughly or use hand sanitiser



Mask wearing steps



What not to do when wearing a surgical mask

Once the mask is positioned securely, there are certain precautions to keep in mind to ensure you don't transfer pathogens to your face or hands.

Do not:

- touch the mask once it is secured on your face, as it might have pathogens on it
- dangle the mask from one ear
- reuse single-use masks

If you have to touch the face mask while you are wearing it, wash your hands first. Be sure to also wash your hands afterward, or use hand sanitiser