

## About AUSMEDIO

Ausmedio Pty Ltd is an Australian owned and operated company. We manufacture and supply personal protective medical equipment from our local facility in Hallam, Victoria, to meet the demand and supply of Australians. We use state of the art technology and artificial intelligence to manufacture products with high precision and quality.

**We Stand Ahead in Quality**

**Your Satisfaction is Our  
Main Priority**



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Sunday: Closed

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## ResproShield SURGICAL FACE MASK

Blue • 3 Ply with Skin-Friendly Earloop

### Level 3

Complies with Australian Standard  
AS 4381:2015



# Facts Related to Surgical Face Mask:

**90%** of surgeons are not aware that they have been **splashed** during the procedure<sup>1</sup>

Percentage of Body **Fluids** that strikes the face of the surgeon or staff during the procedure<sup>1</sup> **45-51%**

**23%** of **unprotected** healthcare workers contract influenza during outbreaks<sup>2</sup>

Percentage of Masks used in **Australia** which are **NOT Fluid Resistant**<sup>3</sup> **45%**

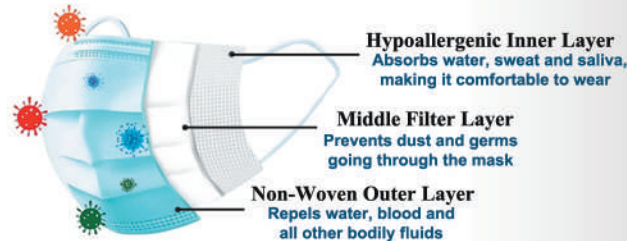
**≥95%** of face masks supplied in the **Australian Market** are manufactured **outside** Australia<sup>4</sup>

Ausmedio Level 3 Surgical Face Masks are **Australian Made, Fluid/Splash Resistant** Masks providing the **Highest Level, Level 3, Barrier** protection as per **TGA Grade**.

# About AUSMEDIO Surgical Face Mask:

AUSMEDIO ResproShield Level 3 Surgical Face Masks are fluid-resistant and disposable masks that create a physical barrier between the mouth and nose of the wearer and prevent the transmission of airborne organisms. Our Level 3 Earloop Surgical face masks give you the highest level of protection without sacrificing breathability & comfort.

- **Included in Australian Register of Therapeutics Goods (ARTG NO: 340211)**
- **Complies with the new Australian Standard, AS 4381:2015, Single - Use face masks for use in healthcare.**



## Key Features:

  
**Comfortable & Breathable**

  
**Latex Free**

  
**Adjustable & Tight Nose Bridge**

  
**Thick Earloop Makes It More Comfortable on Ears**






  
**One Size Fits All**

# Technical Specifications:

➤ Characteristics of different levels of barrier protection as per Australian Standard AS 4381: 2015

Characteristics	Level 1 Barrier	Level 2 Barrier	Level 3 Barrier	AUSMEDIO
BFE, %	≥95	≥98	≥98	>99
Differential Pressure, mmH <sub>2</sub> O/cm <sup>2</sup>	<4.0	<5.0	<5.0	<5.0
Fluid Resistance, mmHg	80	120	160	160
PFE @0.3um, %	Not Required			>99
VFE, %	Not Required			>99

\*All the characteristics of Ausmedio Surgical Masks have been tested and proven in an industry-leading Laboratory, Nelson Labs Inc, USA.

-  **Bacterial Filtration Efficiency (BFE)**  
Tests filtration ability against an aerosol containing bacteria 3.0 microns in size.
-  **Differential Pressure (ΔP)**  
Gauges air flow from one side of a mask to the other, assessing breathability.
-  **Particle Filtration Efficiency (PFE)**  
Assesses filtration ability when tested against sub-micron particulate matter
-  **Fluid Resistance**  
Tests penetration resistance to synthetic blood at three protection levels—80 mm Hg, 120 mm Hg and 160 mm Hg.
-  **Viral Filtration Efficiency (VFE)**  
Follows the same procedure as BFE, except the challenge organism used is the bacteriophage phiX174

**“MEETS AND EXCEEDS AS 4381:2015 Level 3 Barrier Standard”**

# Manufacturing Process:

- All surgical face masks have been manufactured using fully automated machines which uses state of the art automated technology with artificial intelligence.
- All the Ausmedio surgical face masks are manufactured in ISO 7 (ISO14644-1 standard/FED Class 10,000) Clean Room.



<sup>1</sup> CG Davies et al, Ann R Coll Surg Engl 2007; 89(9): 770-772; S Endo et al, Jpn Hospital Infection 2007; 6(7): 56-61; DC Berridge et al, Br J Surg 1993; 80(11): 1378-80.  
<sup>2</sup> Elder AG, O'Donnell B, McCreadon EA, Symington LS, Curran WF. Incidence and recall of influenza in a cohort of Glasgow healthcare workers during the 1993-4 epidemic: results of serum testing and questionnaire. BMJ (Clin Res Ed) 1996; 313(7067): 1241-1242.  
<sup>3</sup> Abc.net.au. 2020. Australia's Only Medical Mask Factory Increases Production From 2 Million To Up To 50 Million. [online]. Available at: <https://www.abc.net.au/news/2020-03-27/inside-australia-only-medical-mask-factory/12093665> [Accessed 5 October 2020].  
<sup>4</sup> Scott N & Jones H, ACA Research, Understanding the implications of changing face mask standards 2015.