

CONFIDENCE YOU'RE PROTECTED



THE RISKS:

Fluid will **strike the face** area of Operating Staff

45-51%
of the time¹

90% of surgeons are not aware they've been **splashed**¹

AS 4381:2015 is the standard for **Single-Use Face Masks**

Masks are required to meet minimum fluid resistance at:

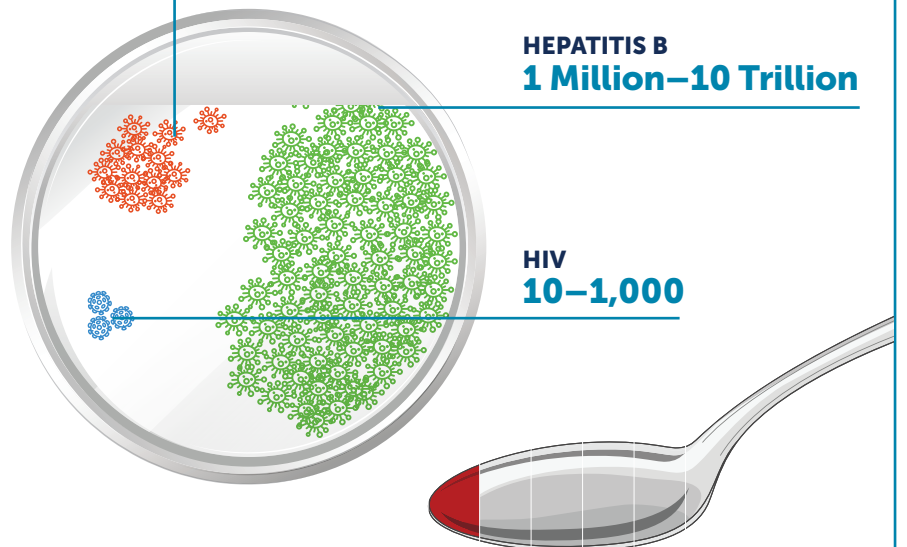
1	2	3
80 mm Hg	120 mm Hg	160 mm Hg
LOW EXPOSURE	MODERATE EXPOSURE	HIGH EXPOSURE

As little as **1 millilitre** of blood can contain **virus counts** ranging from:²

HEPATITIS C
1 Million

HEPATITIS B
1 Million-10 Trillion

HIV
10-1,000



1 millilitre of blood = 1/5 of a teaspoon

- CG Davies et al, Ann R Coll Surg Engl 2007 89(8): 770-772; S Endo et al, Jour Hospital Infection 2007 (67) 1: 56-61; DC Berridge et al, Br J Surg 1993 80 (11): 1379-80.
- Morgan, David R. Mission the Point: A Review of Needlestick Injury and Occupational Risks From BloodBorne Viruses. Journal of American Biological Safety Association. 2001



HALYARD

FOR MORE INFORMATION CONTACT YOUR ACCOUNT MANAGER
ON **FREephone 0800 733 633** OR VISIT www.eboshealthcare.co.nz



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AS 4381:2015 – UNDERSTANDING THE AUSTRALIAN MASK STANDARD

In 2015, Standards Australia updated the standard for 'Single-use face masks for use in health care'. The standard was simplified and harmonised with the North American ASTM F2100-11 and European (EN) 14683.

LEVEL OF PROTECTION	LEVEL 1	LEVEL 2	LEVEL 3	TEST METHOD
	<p>Level 1 barrier medical face mask materials are evaluated for resistance to penetration by synthetic blood, bacterial filtration efficiency and differential pressure, as specified below.</p> <p>APPLICATIONS: For general purpose medical procedures, where the wearer is not at risk of blood or bodily fluid splash or to protect staff and/or the patient from droplet exposure to micro-organisms (e.g. patient with upper respiratory tract infection visits GP)</p>	<p>Level 2 barrier medical face mask materials are evaluated for resistance to penetration by synthetic blood, bacterial filtration efficiency and differential pressure, as specified below.</p> <p>APPLICATIONS: For use in emergency departments, dentistry, changing dressings on small or healing wounds where minimal blood droplet exposure may possibly occur (e.g. endoscopy procedures)</p>	<p>Level 3 barrier medical face mask materials are evaluated for resistance to penetration by synthetic blood, bacterial filtration efficiency and differential pressure, as specified below.</p> <p>APPLICATIONS: For all surgical procedures, major trauma first aid or in any area where the health care worker is at risk of blood or bodily fluid splash (e.g. orthopaedic, cardiovascular procedures)</p>	
CHARACTERISTICS				
Bacterial Filtration Efficiency (BFE) %	≥ 95%	≥ 98%	≥ 98%	ASTM F2101-14 or EN 14683:2014
Particulate Filtration Efficiency (PFE) % (0.1 µm)	Not Required	Not Required	Not Required	N/A
Differential Pressure (Delta P) mm H ₂ O/cm ²	< 4.0	< 5.0	< 5.0	EN 14683:2014
Resistance to penetration by synthetic blood (fluid resistance) min pressure in mm Hg for pass result	80mm Hg	120mm Hg	160mm Hg	ASTM F1862, F1862M-13 or ISO 22609

PRODUCT CODES	1	PRODUCT CODES	2	PRODUCT CODES	3
HALYARD LEVEL 1 MASKS		HALYARD LEVEL 2 MASKS		HALYARD LEVEL 3 N95 RESPIRATORS	
<p>CODE: 25868 Procedure Mask, SO SOFT*, with Earloops, Lavender</p> <p>CODE: 25869 Procedure Mask, with Earloops, Blue</p> <p>CODE: 28802 Surgical Mask, SO SOFT*, Blue</p> <p>CODE: 39125 Anti-fog Surgical Mask, SO SOFT*, with Smart Adhesive, Green</p>		<p>CODE: 28810 Procedure Mask, SO SOFT*, with Earloops, Blue</p> <p>CODE: 28821 Fog-Free Procedure Mask, SO SOFT*, Wraparound Visor, Blue</p> <p>CODE: 39123 Surgical Mask, SO SOFT*, Expanded Chamber, with Ties</p> <p>CODE: 62113 Fog-Free Surgical Mask, with Ties</p> <p>CODE: 62114 Fog-Free Surgical Mask, Wraparound Visor, with Ties</p>		<p>CODES: 46727, 46827 FLUIDSHIELD* Level 3 N95 Particulate Filter Respirator and Surgical Mask, Pouch-Style with Headbands, Orange</p> <p>HALYARD LEVEL 3 MASKS</p> <p>CODE: 28797 Fog-Free Procedure Mask, SO SOFT*, with Earloops</p> <p>CODE: 28800 Fog-Free Procedure Mask, SO SOFT*, Wraparound Visor, with Earloops</p> <p>CODE: 28804 Fog-Free Procedure Mask, SO SOFT*, Wraparound Visor</p> <p>CODE: 47107 Fog-Free Procedure Mask, SO SOFT*, with Earloops</p> <p>CODE: 47147 Fog-Free Procedure Mask, SO SOFT*, Wraparound Visor, with Earloops</p> <p>CODE: 48207 Fog-Free Surgical Mask, SO SOFT*, with Ties</p> <p>CODE: 48208 Surgical Mask, SO SOFT*, with Ties</p> <p>CODE: 48247 Fog-Free Surgical Mask, SO SOFT*, Wraparound Visor, with Ties</p> <p>CODE: 48248 Surgical Mask, SO SOFT*, Wraparound Visor, with Ties</p> <p>CODE: 48297 Care Bear Surgical Mask, SO SOFT*, with Ties</p>	



LEVEL 3 MASKS THAT ARE TESTED TO OUTPERFORM

HALYARD* FLUIDSHIELD* LEVEL 3 MASKS:

- Exceed the Standard
- Are independently tested and verified for fluid resistance at up to **220mm Hg** vs the 160mm Hg required by the Standard

And with the level of protection clearly labelled on the mask nose piece and on the box, you and your staff can easily identify the right mask for each task.



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