



Infection Prevention and Control

Version 1.1 — 2020



ZURU+Health™

About Bactive + ZURU Health

The ZURU Health Story so far:

In response to COVID-19, ZURU was contacted in March 2020 by New Zealand Prime Minister Jacinda Ardern to determine if they could mobilise and source Personal Protective Equipment (PPE) for NZ. ZURU promptly responded by supplying over 100 million pieces of Bactive™ PPE for the NZ Health system.

With unprecedented global demand for the new Bactive™ range of Disinfectant Wipes, Hand Sanitiser and PPE, the ZURU Health Bactive™ brand is growing across the world with a team committed to supporting this important clinical space long into the future.



Matt Redstone
Commercial Director



Why Bactive?

ZURU Health's expert clinicians are directly involved in the design and testing process to ensure all products achieve optimal function, durability and comfort on the healthcare frontline. We are dedicated to keeping patients, their families and healthcare professionals safe.

Personal Protective Equipment is used as per standard precautions, where there is anticipated risk of exposure to blood, bodily fluids, non-intact skin and mucous membranes. PPE adds another line of protection for healthcare workers against potential micro-organisms.

In addition to this, PPE is utilised for transmission-based precautions when a patient is known to have or highly likely to have a particular micro-organism spread by a particular route. For more information refer to the CDC's infection control index*.

We are committed to ensuring healthcare workers have access to quality PPE to protect themselves and their patients in today's challenging clinical environment.

*See the CDC's Infection Control Index here: <https://www.cdc.gov/infectioncontrol/basics/index.html>

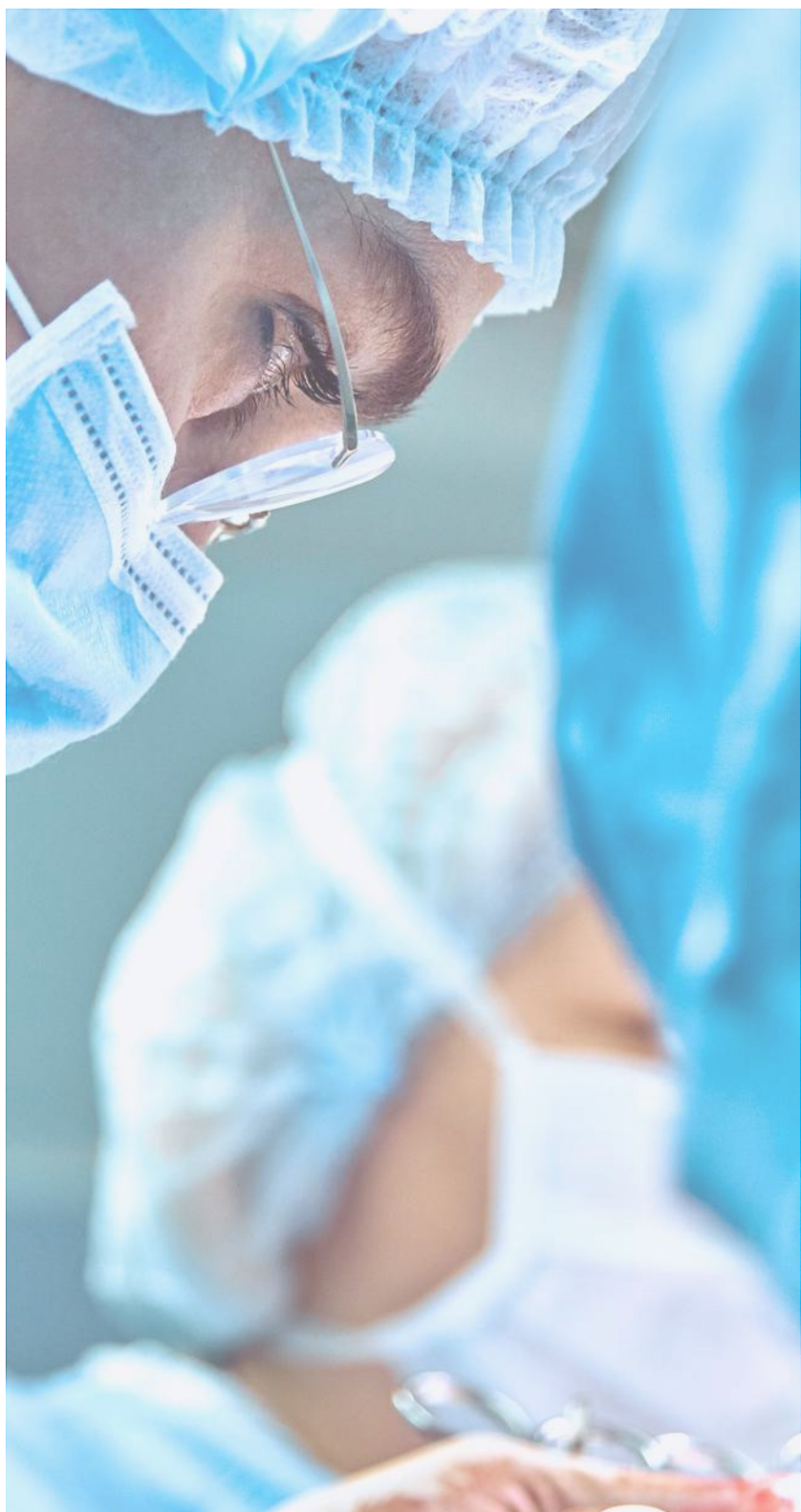


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AAMI PB70 Guidelines

AAMI Lvl	Test Method	Test Definition	Requirement	Fluid Exposure
Level 1	Water Resistance: Impact penetration <i>AATCC 42</i>	<i>(AATCC 42)</i> Measures the resistance of fabrics to the liquid penetration of water by impact.	Water Impact ≤ 4.5 g	Minimal fluid levels (anticipated)
Level 2	Water resistance: Impact penetration <i>AATCC 42</i>	<i>(AATCC 42)</i> Measures the resistance of fabrics to the liquid penetration of water by impact.	Spray Impact ≤ 1.0 g	Low fluid levels (anticipated)
	Water resistance: Hydrostatic pressure <i>AATCC 127</i>	<i>(AATCC 127)</i> Measures the resistance of fabrics to the liquid penetration of water by impact under constant and increasing hydrostatic pressure.	Hydrostatic Pressure ≥ 20 cm	
Level 3	Water resistance: Impact penetration <i>AATCC 42</i>	<i>(AATCC 42)</i> Measures the resistance of fabrics to the liquid penetration of water by impact.	Spray Impact ≤ 1.0 g	Moderate fluid levels (anticipated)
	Water resistance: Hydrostatic pressure <i>AATCC.127</i>	<i>(AATCC 127)</i> Measures the resistance of fabrics to the liquid penetration of water by impact under constant and increasing hydrostatic pressure.	Hydrostatic Pressure ≥ 50 cm	
Level 4	<i>ASTM F1671</i> Standard test method for resistance of materials used in protective clothing to penetration by blood borne pathogens using Phi-x174 Bacteriophage Penetration as a test system	<i>(ASTM F1671)</i> Measures the resistance of materials used in protective clothing to penetration by blood borne pathogens using a surrogate microbe under conditions of continuous liquid contact.	Pass	High fluid levels (anticipated)

Association for the Advancement of Medical Instrumentation. *Liquid Barrier Performance and Classification of Protective Apparel and Drapes Intended for use in Health Care Facilities*. ANSI/AAMI PB70:2012. Arlington, VA: AAMI.

BACTIVE™ AAMI Level 2 Isolation Gowns

Functionality & Fit
w/ Velcro Neck Tab, Knitted Cuff
& Side to Back Ties

Available in Yellow

Non-Sterile

Latex Free

Product Testing:
AAMI Level 2*

*data on file

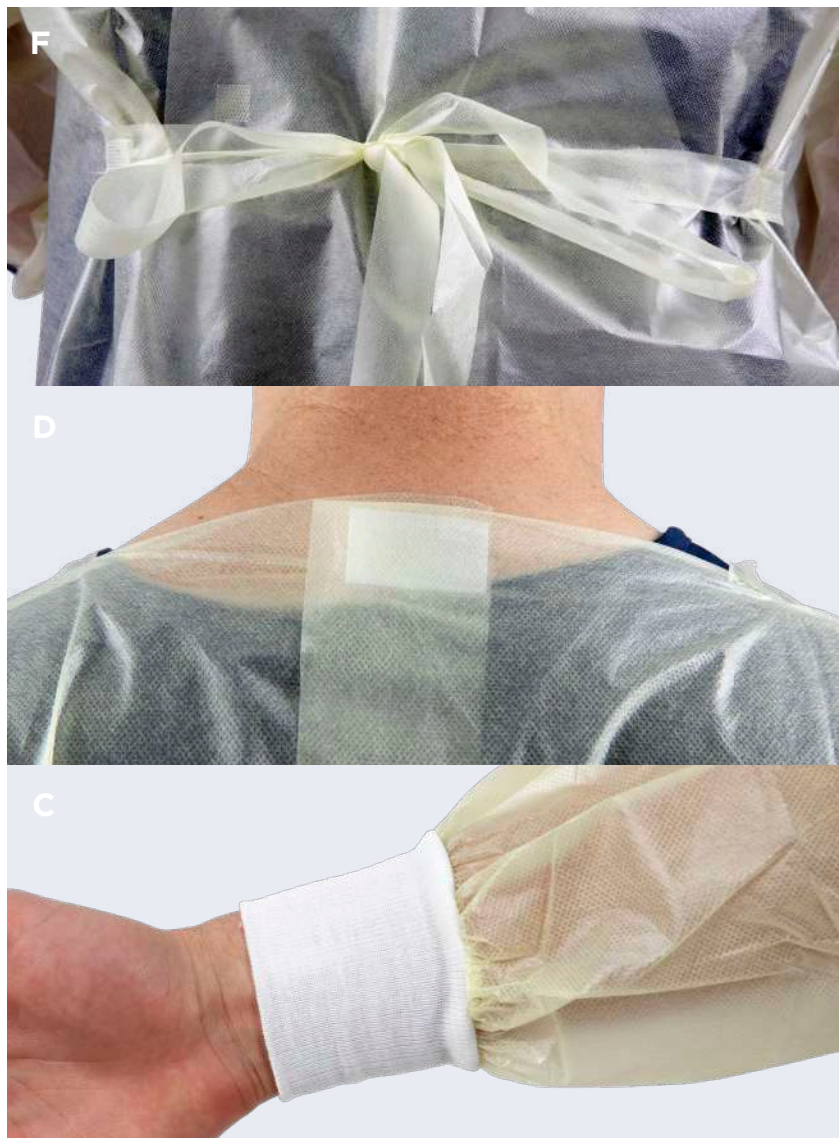
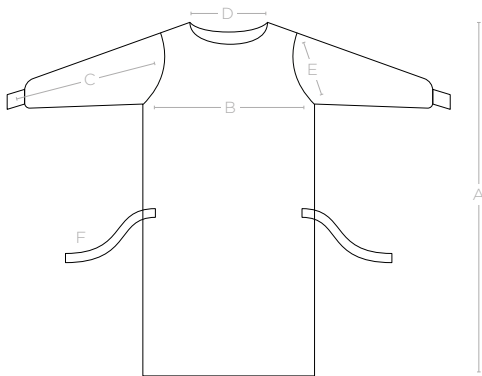


Code	Description	UOM	UOM Qty
11558	Bactive AAMI Level 2 M Isolation Gowns	Box	100, 10 bags of/ 10 gowns
11528	Bactive AAMI Level 2 L Isolation Gowns	Box	100, 10 bags of/ 10 gowns
11529	Bactive AAMI Level 2 XL Isolation Gowns	Box	100, 10 bags of/ 10 gowns
11557	Bactive AAMI Level 2 3XL Isolation Gowns	Box	100, 10 bags of/ 10 gowns

BACTIVE™ Isolation Gown Sizing

Please refer to the following guide to ensure the proper fit is achieved.

Figure 1.1 (see table for details)



Position (all dimensions in cm)	M	L	XL	3XL
A Gown Length	110	117	138	138
B Chest Width (half gown)	62.5	65	84	104
C Sleeve Length	58	61	73	76
D Neck Width	20	20	25	25
E Arm Hole	26	30	34	37
F Waist Tie (each side)	70	80	90	90

BACTIVE™ AAMI Level 2 Isolation Gowns w/ Neck Guard

Improved Functionality & Fit
w/ Velcro Neck Tab, Knitted Cuff,
Side to Back Ties & Neck Guard

Non-Sterile

Latex Free

Product Testing:

AAMI Level 2*

*data on file



Code	Description	UOM	UOM Qty
11560	AAMI Level 2 Isolation Gown w/ Neck Guard M	Box	100, 10 bags of/ 10 gowns
11548	AAMI Level 2 Isolation Gown w/ Neck Guard L	Box	100, 10 bags of/ 10 gowns
11549	AAMI Level 2 Isolation Gown w/ Neck Guard XL	Box	100, 10 bags of/ 10 gowns
11559	AAMI Level 2 Isolation Gown w/ Neck Guard XXXL	Box	100, 10 bags of/ 10 gowns

BACTIVE™ Disposable Face Masks

Key Barrier Testing Levels*	ASTM F2100-19			EN 14683:2019		
	Level 1	Level 2	Level 3	Type I	Type II	Type III
Bacterial Filtration Efficiency/ Measures barrier resistance of material to penetration by bacteria	≥95%	≥98%	≥98%	≥95%	≥98%	≥98%
Particulate Filtration Efficiency/ Measures effectiveness of material against inorganic particulate matter	≥95%	≥98%	≥98%	Not Required	Not Required	Not Required
Splash Resistance Testing/ Measures barrier resistance of material against bodily fluids (the higher the grading the more resistant the material)	≥80 mmHg	≥120 mmHg	≥160 mmHg	Not Required	Not Required	≥16.0kPA (>120 mmHg)

FACEMASK IMAGE

*(for flat masks) material barrier testing levels shown only. There are further tests that must be met before a product can claim it conforms to either standard

BACTIVE™ Type IIR Disposable Procedure Mask

High Barrier Resistance

Comfortable Ear Loop

Hypoallergenic

Comfortable & Breathable

Latex Free

Product Testing:
EN14683 TYPE IIR*

*data on file



Code	Description	UOM	UOM Qty
11524	Disposable Procedure Mask	Box	50

BACTIVE™ ASTM Level 3 Disposable Surgical Masks

High Barrier Resistance

Anti Fog Foam Strip

Hypoallergenic

Comfortable & Breathable

Latex Free

Product Testing:

ASTM F2100-19, ASTM Level 3*

*data on file



Code	Description	UOM	UOM Qty
TBC	Surgical Mask w/ Ties	Box	50
TBC	Surgical Mask w/ Ties & Visor	Box	25

BACTIVE™ FFP2 – Filtering Facepiece Respirators

High Level Protection

Improved Functionality
w/ Flat Fold for Better Fit,
Moldable Nose Piece &
Adjustable Toggle

Hypoallergenic

Latex Free

Product Testing:
EN149-2001, FFP2*

*data on file



Code	Description	UOM	UOM Qty
TBC	FFP2 Respirator	Box	25

BACTIVE™ Face Shields

P.E.T Shield w/ Anti-Fog

350mm x 220mm (W x H)

Individually Packaged

Comfortable Polyester Headband
w/ Foam Head Piece

Removable peel-back protective
film over inner and outer shield
to ensure high quality vision with
every Bactive Face Shield

Latex Free

Product Testing:
EN166*

*data on file



Code	Description	UOM	UOM Qty
11531	Bactive Face Shield (individually packaged)	Box	200

BACTIVE™ Safety Glasses

Lightweight

Antistatic & Fog Resistant

OSFA

Individually Packaged

161mm x 60mm x 158mm (Size)

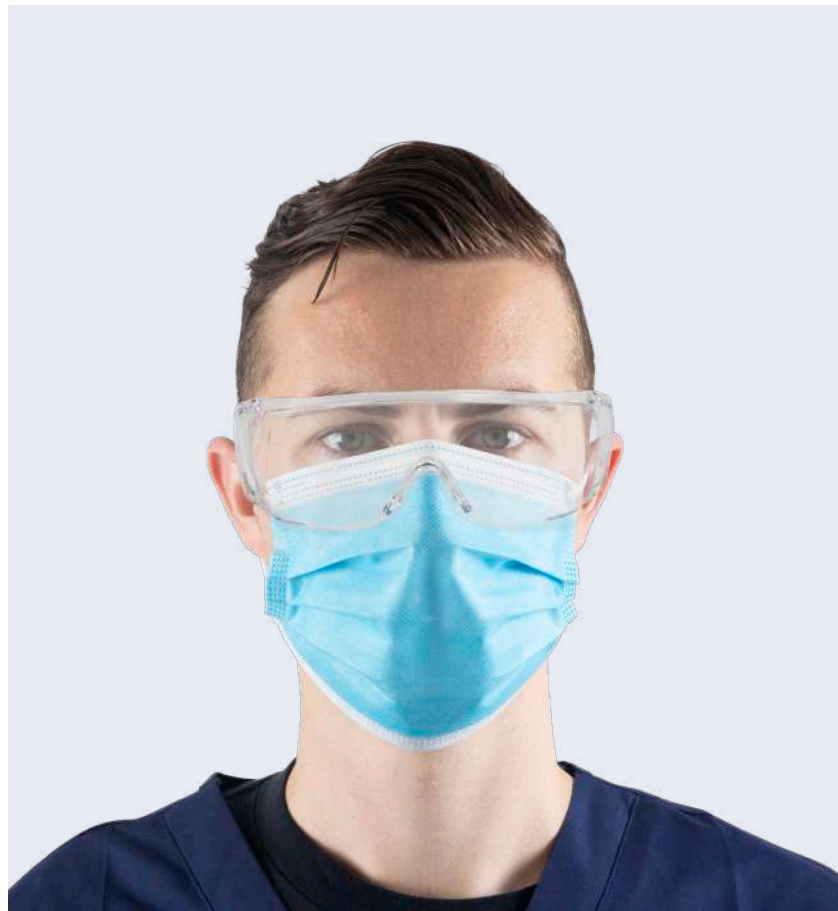
Material (Glass Type):

PC material on lens and frame

Product Testing:

EN166*

*data on file



Code	Description	UOM	UOM Qty
11530	Eye Protection Glasses	Box	200



BACTIVE™ Nitrile Examination Gloves

Powder Free

Ambidextrous

Latex Free

Product Testing:

ASTM D-6319, EN455*

*data on file



Code	Description	UOM	MOQ
11550	Bactive Nitrile S Examination Gloves	Box	100
11551	Bactive Nitrile M Examination Gloves	Box	100
11552	Bactive Nitrile L Examination Gloves	Box	100
11553	Bactive Nitrile XL Examination Gloves	Box	100

BACTIVE™ Heavy Duty Aprons

45 Micron

Single Use

OSFA w/ Back Fastening

Available in White

Latex Free

Non-Sterile O

Product Testing:

AATCC 127 (Hydrostatic Pressure), AATCC 42 (Water Resistance: Impact Penetration)*

*data on file



Code	Description	UOM	MOQ
TBC	Heavy Duty Apron Universal Size	Box	500 (10 inner bags of 50)

BACTIVE™ Bouffant Head Caps

Single Use

Non-Woven Polypropylene

Available in White & Blue

Latex Free



Code	Description	UOM	MOQ
TBC	Bouffant Head Caps M 21' / 54cm	Box	100
TBC	Bouffant Head Caps L 24' / 61cm	Box	100

BACTIVE™ Shoe Covers

Anti-Slip Sole

Available Blue

40cm x 16cm (Size)

Non-Woven Heavy Duty SMS
Polypropylene



Code	Description	UOM	MOQ
TBC	Shoe Covers	Box	200

BACTIVE™ EPA Disinfectant Wipes

Kills Coronavirus that causes
COVID-19*

Kills 99.9% of Bacteria & Viruses*

Kills Salmonella, MRSA
& Flu Virus*

99.9% effective against Staph
& Campylobacter-jejuni in 15
seconds*

EPA Registration #
6836-336-96867

Active Ingredients: 0.0909%
Octyl Decyl Dimethyl
Ammonium Chloride, 0.0364%
Dioctyl Dimethyl Ammonium
Chloride, 0.0545% Didecyl
Dimethyl Ammonium Chloride
& 0.1212% Dimethyl Benzyl
Ammonium Chloride

EPA Establishment #
94130-CHN-1

*data on file



Code	Description	UOM	MOQ
11532	Bactive Disinfectant Wipes 80pk (Size) 5.9 x 7.8 inch (NetWt) 1.0lb 3.22oz / 545g	18	34,398 retail units /40ft GP
11546	Bactive Disinfectant Wipes 20pk (Size) 2.9 x 4.3 inch (NetWt) 4.87 oz / 138g	48	133,296 retail units /40ft GP

BACTIVE™ Hand Sanitizer

Kills 99.9% of Germs*

Contains >70% Alcohol

Added Aloe Leaf Extract

Ingredients: Ethyl Alcohol, Water, Glycerin, Acrylates/C10-30 Alkyl Acrylate Crosspolymer, Parfum, Aminoethyl Propanol, Aloe Barbadensis Leaf Extract, Maltodextrin

Product Testing:
EN1276:2009

*data on file



Code	Description (*NDC)	UOM	MOQ
11501	>70% Hand Sanitizer 50ml (1.6fl oz) *76658-115-01	96	20ft container 159,360 units / 1,660 cartons
11502	>70% Hand Sanitizer 500ml (16.9 fl oz) *76658-115-02	24	20ft container 18,000 units / 750 cartons
11509	>70% Hand Sanitizer 2L (67.6 fl oz) *76658-115-09	6	2x 20ft container 11,280 units / 1,970 cartons

BACTIVE™ **Ethical Sourcing & Sustainability**

ZURU maintains a strict Ethical Sourcing Policy that forms a part of our contract manufacturing agreements with our product suppliers. ZURU requires that its suppliers abide by our labour protection mandates, meaning that suppliers:

1. Allow employment to be entered into on a completely voluntary basis, meaning there is no forced or bonded labour, slavery or human trafficking.
2. Forbid restrictive practices such as requiring employees to lodge deposits or their identity papers, meaning employees are free to leave their employment at any time without restriction.
3. Promote a safe and hygienic working environment for employees, including regular health and safety checks and training.
4. Forbid child labour, meaning suppliers must only employ employees who meet the local minimum age requirement as set by law.
5. Comply with local legal requirements pertaining to working hours and overtime; and forbid harsh or inhumane treatment, such as abuse (physical, verbal, sexual, psychological or otherwise) and other forms of intimidation.

All our suppliers are required to hold and maintain active ethical audit certifications from either SEDEX or BSCI.

ZURU Health is also committed to reducing our overall carbon footprint & recognise the importance of sustainability within the health sector. To that end, we are actively engaging in moving toward more environmentally friendly product packaging and new/innovative sustainable products in the future.



Matt Redstone
Commercial Director
matt.redstone@zuru.com

Josh Rippin
Global Business Development Manager
joshua@zuru.com

Matthew Goldbloom
US Sales
matthew.goldbloom@zuru.com
