

3M Science.
Applied to Life.™

3M™ Health Care Particulate Respirator and Surgical Masks

**Help protect your
patients and yourself.**

The science behind respiratory protection.

Surgical N95 Disposable Respirators versus Surgical Masks:

Surgical N95 disposable respirators and surgical masks are very different in fit, intended use, testing and approval. Procedural and surgical masks are not designed to help reduce the wearer's exposure to airborne hazards. It is important to understand the differences because your safety is essential in order to deliver care to patients.



	Surgical N95	Standard N95	Surgical Mask
Fit	Tight, designed to form a seal around the nose and mouth	Tight, designed to form a seal around the nose and mouth	Loose, does not form a seal to the face, allowing unfiltered air to flow around gaps at mask edge
Fit testing required	✓	✓	
Respiratory protection. Helps reduce particles inhaled by the wearer, with at least 95% filtration efficiency	✓	✓	
Helps reduce particles expelled by the wearer	✓	✓	✓
Fluid resistant	✓		✓
Approvals	NIOSH Approved and FDA Cleared	NIOSH Approved	FDA Cleared

3M™ Health Care Particulate Respirator and Surgical Masks

Proprietary filter media maximizes performance and comfort

3M™ Health Care Particulate Respirator and Surgical Masks are scientifically designed to help make breathing easier and safety more comfortable. Our unique manufacturing process injects a powerful electrostatic charge into an open formation material, improving the efficiency of particle removal while allowing more air to pass through. The result is a highly effective respirator, so you can focus on caring for your patients.



3M's unique filter media features highly charged microfibers designed to significantly enhance the capture of airborne particles. This effectiveness allows 3M to design respirators with a more open formation, helping lessen breathing resistance.

Illustration of how 3M's electrostatically charged microfibers—magnified 10,000 times—attract and capture particles from the air.



The 3M™ Wear it Right app for
guiding respirator fit testing



3M



Wear it Right

3M™ Health Care Particulate Respirator and Surgical Masks

A variety of styles help meet the individual needs of health care workers



	3M™ Aura™ Particulate Respirator and Surgical Mask 1870+	Health Care Particulate Respirator and Surgical Mask 1860/1860S [†]	Health Care Particulate Respirator and Surgical Mask 1804/1804S [†]
Product Attributes	• Soft nose foam and smooth inner material enhance comfort • Chin tab makes positioning easy • Sculpted nose panel allows more room for eyewear • Embossed top panel helps reduce eyewear fogging	• Braided straps for comfort • Cushioning nose foam	• Pleats help increase surface area for ease of breathing and flex with mouth movement • Tabs uniquely designed for positioning the respirator on the face
Regulatory approvals/clearance	NIOSH N95 & FDA	NIOSH N95 & FDA	NIOSH N95 & FDA
Fluid resistant	Yes. Highest level of fluid resistance ^{††}	Yes	Yes
Fit pass rate	Up to 93% ^{†††}	Available in two sizes to fit a broad range of faces	Available in two sizes to fit a broad range of faces
Style	Flat fold design optimizes storage and portability	Collapse-resistant cup shape design	Flat fold design optimizes storage and portability
Headband material	Polyisoprene	Braided Polyisoprene	Polyisoprene
Packaging	20 Individually Wrapped per Carton, 12 Cartons per Case	20 Count per Carton, 6 Cartons per Case	50 Count per carton, 8 cartons per Case
Bulk option (440ct)	Yes	No	No

^{††} denotes small-sized respirator

^{††} According to ASTM F1862 at 160 mm Hg

^{†††} 3M™ Aura™ 1870+ has up to a 93% fit test pass rate across a broad range of face sizes and shapes. Based on quantitative fit testing in 3M's United States Fit Test Laboratory in April-May 2021 of subjects with a range of face sizes (face sizes 1 through 10 on the NIOSH bivariate grid). A passing fit factor is defined as 100, based on OSHA 1910.134. Individual results may vary. For more information, view this [3M Respirator Fit Study](#).

Ordering Information

SKU	UPC	Product Number	Description
7100145153	50051131275923	1804	3M™ VFlex™ Health Care Particulate Respirator and Surgical Mask 1804, N95 400 EA/Case
7100145153	50051131275930	1804S	3M™ VFlex™ Health Care Particulate Respirator and Surgical Mask 1804S, N95 Small 400 EA/Case
70070612364	50707387419429	1860	3M™ Health Care Particulate Respirator and Surgical Mask 1860, N95 120 EA/Case
70070614378	50707387444124	1860S	3M™ Health Care Particulate Respirator and Surgical Mask 1860S, N95 Small 120 EA/Case
GT500073009	50051131499961	1870+	3M™ Aura™ Health Care Particulate Respirator and Surgical Mask 1870+ N95 120 EA/Case



WARNING These respirators help protect against certain airborne particulates. Before use, the wearer must read and understand the User Instructions provided as a part of the product packaging. A written respiratory protection program must be implemented meeting all the requirements of OSHA 29 CFR 1910.134 including training, fit testing and medical evaluation. In Canada, CSA standards Z94.4 requirements must be met and/or requirements of the applicable jurisdiction, as appropriate. Misuse may result in sickness or death. For correct use, consult supervisor and User Instructions, or call 3M Health Care Helpline in USA at 1-800-247-3941 and in Canada at 1-800-267-4414.



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70-2010-9364-1