



High Performance Medical N95 - 510K FDA Cleared

Recognized by FDA as medically equivalent to 3M 1805, but with even better performance

*Made with Nanotec Fiber**



Close fit
Increasing sealing effect,
and avoid the fog of
glasses when breathing

Nano Fiber Filter
Providing advanced
filtration efficiency

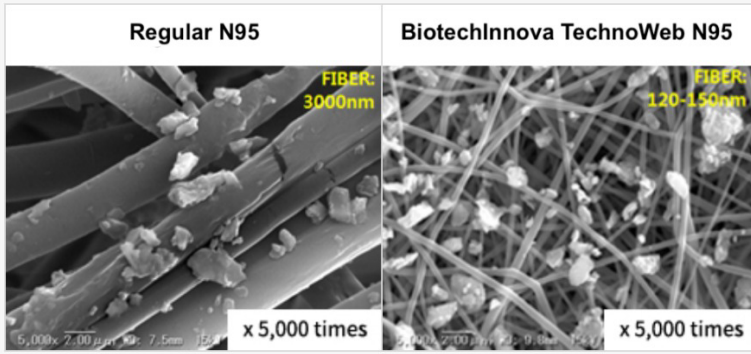
High Durability
Offering strong yet
flexible ear loops for
daily use

**Protecting from
UV damage**
90% effective

Ergonomic 3D design
Covering from the nose
to the chin completely
Increasing sealing effect

Lightweight
Feeling comfortable
everyday





[SEM image after dust loading]

- Particulate filtered by electrostatic method
- Dust particles attached to the electrostatic force
- Nanofiber's unique structure (specific surface area) increases particulate filtration capability.
- Fine dust efficiently filtered through dense network of pores created by web of nanofibers.

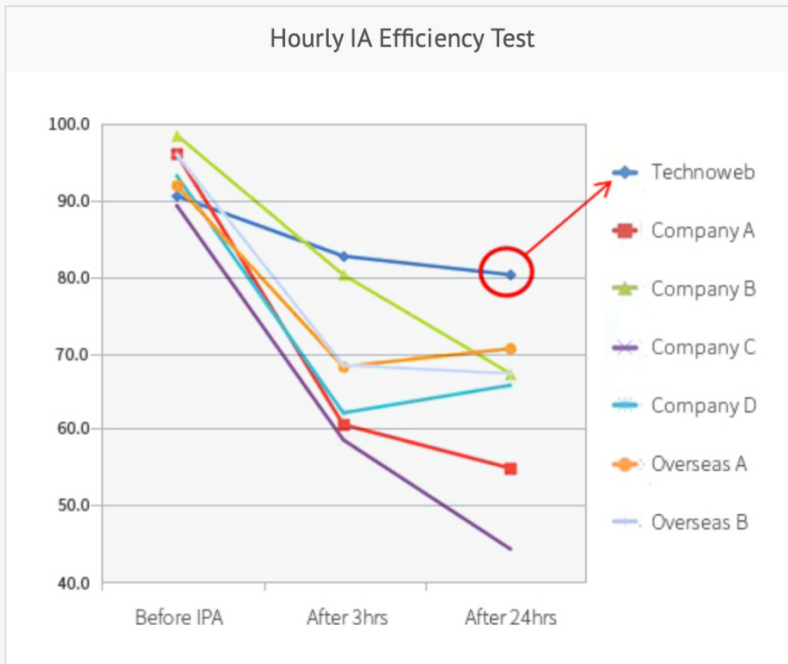
World's first medical N95 to successfully incorporate Nanofiber



The BiotechInnova TechnoWeb N95 Nanofiber respirator has excellent breathability due to extremely wide surface area created by the web of nano fibers. It is very effective at mechanically filtering out PM2.5 particulates.

Conventional electrostatic filter respirators have a declining filtration efficiency after the filter becomes discharged. Whereas Nanofiber material maintains the same performance efficiency continuously regardless of external environment.

Core Technology



- After discharging, conventional masks' filtration effectiveness deteriorates significantly whereas Technoweb Masks nanofiber webs will retain its effectiveness.
- Technoweb's unique Nanofiber web structure allows effective filtration of harmful particles.

Classification	Regular N95	BiotechInnova TechnoWeb N95
Manufacturing Method	MeltBlown	Electrospinning
Characteristics	- Initial filtration efficiency sharply decreases as electrostatic force discharges with usage.	- Enormous surface area created from the web of nanofibers greatly increases the mechanical filtration efficiency. - Due to advantages of pure mechanical properties, the face mask continues to maintain its high efficiency throughout its life.

Name of invention	Korea		
	application number	registration number	STATUS
PET nonwoven fabric for the 2nd battery separator membrane and separator membrane for the 2nd battery including this	10-2012-0119079	10-1256986	completion of registration
Polyethylene terephthalate separator membrane for the 2nd battery	10-2012-0129995	10-1292656	completion of registration
The separator membrane that the for the 2nd battery that the wettability for electrolysis is excellent and manufacturing method of this	10-2013-008513	10-1267283	completion of registration
Hybrid nonwoven separator with the inverted structure	10-2013-0013255	10-1292657	completion of registration
Electromagnetic wave shield membrane	10-2014-0003931	10-1424030	completion of registration
Manufacturing method of electromagnetic wave shield membrane	10-2014-0025446	10-1423169	completion of registration
Moisture permeability water proof sheet applying the Nano Fiber MEMBRANE	10-2016-0151101		completion of application

- Bacterial filtration efficiency (BFE) (%) \geq 99.7%
- Splash resistance (mmHg) \geq 160
- PFE \geq 97.42
- Breathability - Delta P: 5.0mm H₂O/cm²

BiotechInnova FDA Registration

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Establishment Name	Registration Number	Current Registration Yr
BIOTECH INNOVA FL/USA	3016685789	2020
• Respirator, Surgical - KN95V; N95; N95S; TechnoWeb MD-R		Specification Developer

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Establishment:
BIOTECH INNOVA
9558 Clint Moore Rd
Boca Raton , FL 33496
Registration Number: 3016685789
FEI Number*: 3016685789
Status: Active
Date Of Registration Status: 2020

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* Firm Establishment Identifier (FEI) should be used for identification of entities within the imports message set

What its like to wear the BiotechInnova medical N95

