

Antiviral and antimicrobial protection

Face masks treated with HeiQ Viroblock NPJ03 have proved to be effective against human coronavirus (>99.99% reduction of virus infectivity). A unique combination of vesicle and silver technologies, the HeiQ Viroblock NPJ03 textile treatment is designed to effectively reduce virus and bacteria infectivity on contact.

- Traps and immediately kills viruses and bacteria on contact
- Can be applied to a wide spectrum of textile surfaces, incl. face masks, air filters, medical gowns, curtains, drapes, etc.
- Tested effective against:
 - Coronavirus (229E)
 - Influenza
 - Avian flu
 - Swine flu
 - Respiratory Syncytial Virus (RSV)
- Safe and non-toxic

Coronavirus
99.997%
reduction

Human influenza A
99.9996%
reduction

RSV
99.92%
reduction

Avian influenza A
99.92%
reduction

HeiQ Viroblock NPJ03

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Face mask testing: HeiQ Viroblock NPJ03 provides additional protection

Aerosol challenge testing assessed the potential for viable viruses to pass through face mask material. Masks treated with HeiQ Viroblock NPJ03 showed dramatically improved reduction in virus infectivity compared to untreated control masks. The treatment proved effective against key virus types: H1N1, H5N1, H7N9, 229E (Coronavirus), and RSV.

Study ID	Agent	Log reduction		% reduction	
		Control	HeiQ Viroblock NPJ03	Control	HeiQ Viroblock NPJ03
798-110	H1N1 (Human Influenza A)	3.63	5.38	99.9766%	99.9996%
798-111	H5N1 (Avian Influenza A)	2.86	4.86	99.862%	99.999%
798-112	229E (Human Coronavirus)	2.90	4.48	99.874%	99.997%
798-114	H7N9 (2013 Influenza A virus)	1.93	4.24	98.825%	99.994%
798-115	RSV (Respiratory Syncytial Virus)	1.40	3.10	96.02%	99.92%

