

Coronavirus

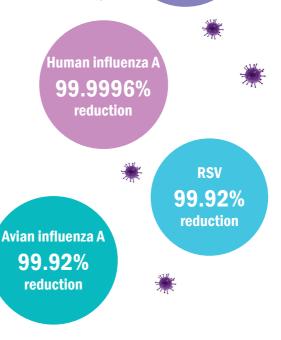
99.997%

reduction

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





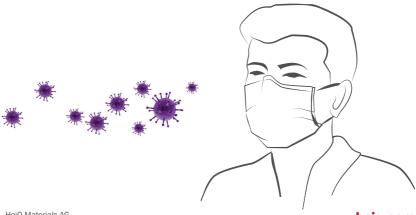
HeiQ Viroblock NPJ03

Antiviral and antimicrobial protection

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.

| | | Log reduction | | % reduction | |
|----------|---|---------------|----------------------------|-------------|----------------------------|
| Study ID | Agent | 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% |





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