

Substances neutralized in controlled laboratory tests include:

- Staphylococcus aureus (even after 20 washes)
- Pseudomonas aeruginosa
- Candida albicans (agent of Thrush)
- Aspergillus niger
- Klebsiella pneumonia
- E. coli, dust mites



For supplies of Virogard Personal Protective Masks please contact your distributor:



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Distributor of Virogard Products**
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Dual anti-microbial and water-repellent fabric layers



Designed for comfortable "all-day" wear



Suitable for hospital or public use



Can be washed and re-used



Effective against dust mites



Kills flu virus

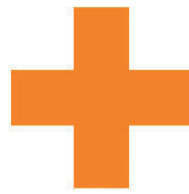
Personal Protective Masks

These masks have been designed to provide a high degree of protection for the wearer from airborne bacteria and viruses

virogard™

advanced respiratory protection

THE **Virogard** DIFFERENCE



The Virogard protective mask is manufactured from high quality non-woven 40gsm material that has been contoured for an ergonomic fit to the face such that it can be worn without discomfort for long periods. It is simple to fit and wear.

There are **2** unique features of the **Virogard** mask:

1 A proprietary **antimicrobial polymer coating** is incorporated in the fabric which ensures that no micro-organism can survive on its surface, let alone pass through. The coating cannot “leach”, contains no heavy metals, fluorochemicals or pesticides and is totally non-hazardous to humans. The coating is **fatal to bacteria and viruses**, though, and this antimicrobial action is effective for the life of the fabric. The mask can be washed up to 20 times or hot-ironed without affecting the antimicrobial action.

2 A proprietary and permanent water and oil repellent coating is also incorporated in the fabric. This coating — technically a “dendrimer nano-structure” — is environmentally friendly and dispersed through the fabric’s fiber matrix.

To make doubly sure of its protective properties, there are **two** layers of equally effective coated material in the **Virogard** mask. The net effect of the extensive research that has resulted in the **Virogard** mask means that:

It provides a high degree of protection against airborne bacteria and viruses

it is practical

it is re-usable

it is cost-effective



Virogard and Bird Flu (Avian Influenza)

The United Nations World Health Organization has noted that, while there is no need to panic over the prospect of an Influenza Pandemic, there is no time for complacency either.

Protection from becoming infected by airborne viruses (e.g., exhaled by a victim) can be dramatically improved by a combination of good hygiene - especially hand washing with anti-bacterial solution - and wearing a protective mask. A difficulty is that available masks are not always up to the task.

- Full-face respirators with appropriate filters give good protection but are expensive, uncomfortable and impractical for most day-to-day uses. Use is generally confined to military and law-enforcement operations.
- Surgical masks provide some protection against airborne droplets but are effective only for a limited time and not at all once the mask is saturated by moisture from the wearer’s breath. Once contaminated they are also themselves a source for further contamination.
- Particulate respirators such as the N-95 or C2 type are better than surgical masks but can become very uncomfortable after even a relatively short period and, like surgical masks, once contaminated are themselves a source for further contamination. Bacteria and viruses remain quite viable for long periods on such masks. Further, up to 5% of particles can pass through an N-95 mask, and unfortunately it is likely to be the smaller particles such as viruses (0.01-0.1 microns) that do so.

Virogard protective masks offer a practical and effective alternative form of protection by not only preventing the intake of droplets and particles, but actively killing bacteria and viruses that come in contact with the mask itself. Designed for comfortable wear over long periods and also being washable/reusable, it is thus optimized as a truly practical and effective aid to protecting against airborne viruses.

Health agencies estimate that a pandemic would be likely to occur over 2 or 3 cycles of 6 to 8 weeks each with a total duration of 4-5 months. The number of conventional N-95 single limited use disposable masks required per person would be 400 to 500 at a conservative daily usage rate of 3-4 masks (one would need a fresh one at least after taking one off for meals). The total cost per person (if quantities were stockpiled) will range from approximately \$400 to \$600 per person for the pandemic’s duration.

A single box of 10 Virogard masks will last an individual 6 months, at a retail cost of \$29.50 per person. This is the true benefit of reusability: the Virogard mask can be washed and reused up to 20 times. Families, companies creating business continuity plans to protect employees, and the general public will stand a fighting chance during the pandemic if their masks are **Virogards**.

