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An Antimicrobial mask with Immune-boosting property

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ABSTRACT:

Proliferation of a virus inside a human body causes viral infection. Virus is unable to grow or reproduce in absence of a live host. They usually work by taking over the host's internal machinery of the cell and replicating their genetic material. Viral infections are contagious and communicable. They may spread by exposure of a healthy person to the body fluids of the infected person via interpersonal contact or person to infected surface contact. The most susceptible route is nasal, oral and ocular route. The main viral infections are flu, rhinovirus, respiratory syncytial virus infection, adenovirus infection, Para-influenza virus infection, severe acute respiratory syndrome (SARS), varicellozoster, MERS. The newly emerged among all viruses is the SARS-CoV2 (covid-19) and widespread transmission corona virus disease 2019 across the globe has made it declared as a pandemic by WHO. Masks can effectively prevent and control spread of viral diseases. Masks are generally worn by healthy person as a protection and also by an infected person to prevent further infection. (WHO guidelines for wearing mask). As a protective measure against corona virus, there are different varieties of mask existing which their proven benefits along with some noted side effects. Armour is a specially designed mask which amongst all stands different due to its antiviral and Immunoboosting properties which are in turn new to the mask culture trending. Armour is a self protective accessory with antiviral properties of cyclodextrin and Immunoboosting effects of essential oil formulated in a form of refill inside the mask.

Keywords: Immune-boosting, Antimicrobial, beta-cyclodextrin, Essential Oils, Efficacious, User compliance

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