



Flu-X

Presentation

Flu-X®

Oral/Nasal Anti-Viral Spray

Clinically proven to kill influenza A and B, and common cold viruses

Inhibit viruses from attaching to the receptors located in the nose and throat, thus preventing further replication of the virus



100% Herbal

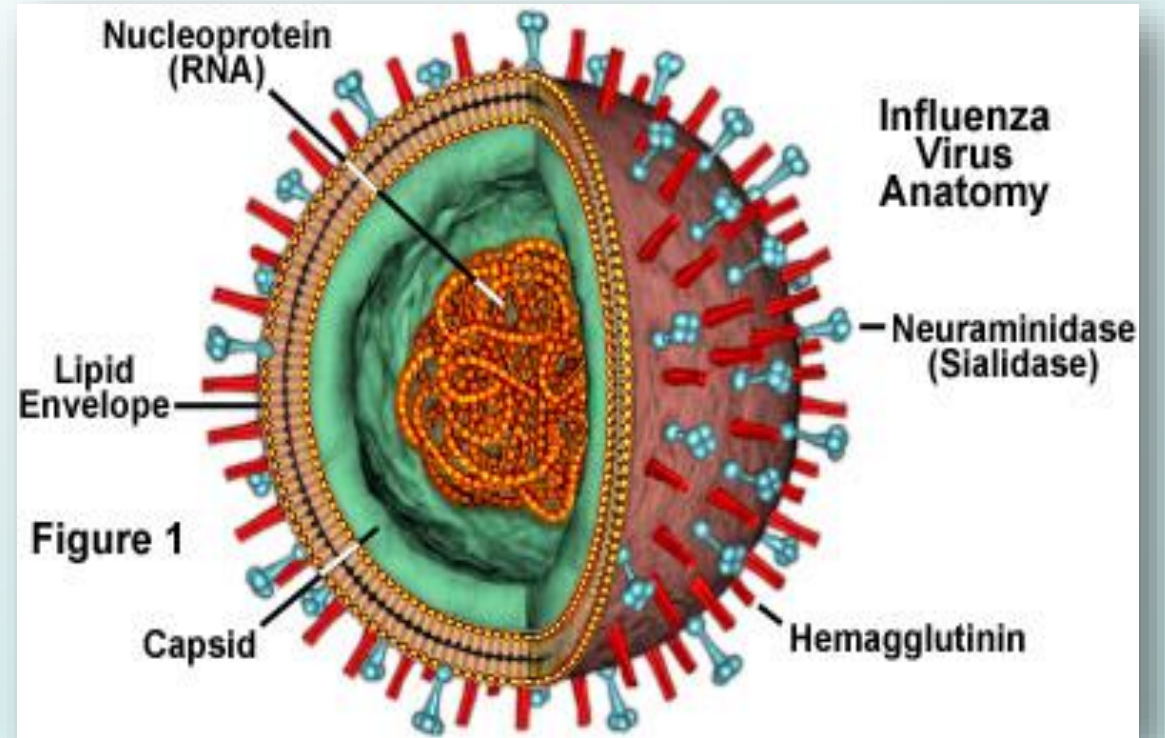
Relieves and reduces the severity and duration of flu and cold symptoms

Stimulates the immune system

Flu-X was developed and used for the prevention and treatment of SARS in 2002

The Science

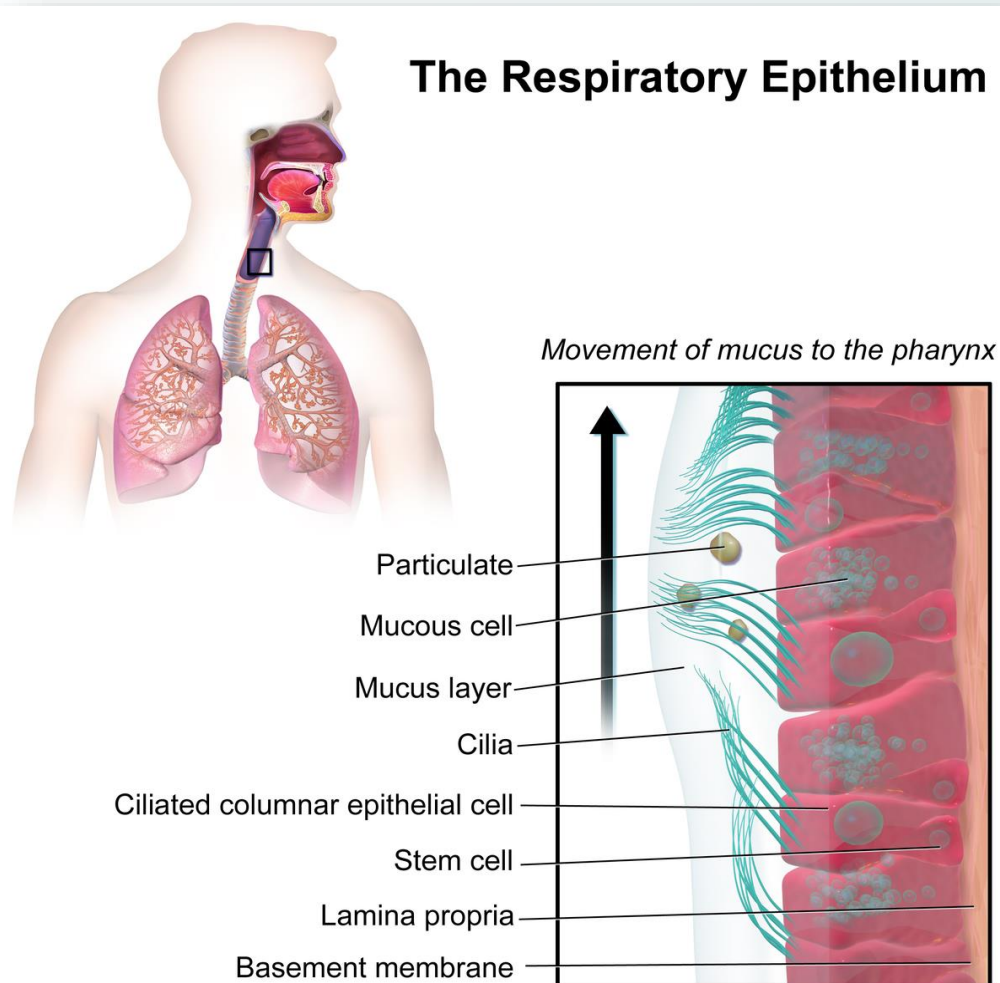
Anti-viral studies conducted on **Flu-X®** have demonstrated that, unlike existing natural OTC cold and flu products (such as COLD-FX®), which gradually stimulate the human immune system over a period of time, **Flu-X®** 's therapeutic mechanism of action is that it is both a hemagglutinin and neuraminidase inhibitor.



Hemagglutinin and neuraminidase (see Fig. 1) are two large glycoprotein spikes on the surface of influenza viral particles that mediates adsorption of the virus particles to cell surface receptors and is responsible for the subsequent uncoating of the virus by a process of fusion between viral and host membranes. It is often refer to the H and N designations assigned to the different influenza strains, i.e. H5N1, H1N1, etc.

The Science

Flu-X® has scientifically been proven to inhibit the two large glycoproteins on the surface of the influenza viral particles attaching to the epithelial cells of the respiratory epithelium, which is central to the defense of the lung against pathogens.



Flu-X® actively prevents the contraction of the influenza virus by preventing the virus from attaching to the epithelial cells of the respiratory tract, and also systemically in the bloodstream, where it prevents the replication of the virus in the human host.



Clinical Trials & Studies

A 160 patient placebo-controlled clinical trial of patients with Viral Respiratory Tract Infection demonstrated an 82.9% recovery rate in the Flu -X group compared to 19.6% in the placebo control group.

Further, comparative in-vivo studies on mice confirm the product's superiority to Interferon Type 1 beta (a leading anti-viral pharmaceutical) against the influenza virus, offering a protection rate of 55% compared to only 40% for Interferon Type 1 beta.





Clinical Trials & Studies

In clinical tests, Flu-X has also been shown to inhibit the H.Influenza, Aureus Staphylococcus and A-hemolytic Streptococcus bacteria strains, associated with secondary flu-related, respiratory bacterial infections.



Long- and short-term clinical toxicology studies conducted on the product confirm **Flu-X®** to be safe even at 400 times the recommended human dosage.

Additionally, the product has been used by over 5,000 patients and has been shown to be safe and highly effective in the prevention and treatment of influenza, by killing and preventing the replication of the Influenza A & B viruses*.



Research & Development

Flu-X® was originally developed by Professor D.S. Liu, Ph.D, one of China's most eminent and respected virologists and medical doctors, as a anti-SARS-CoV coronavirus drug, to prevent & treat the Severe Acute Respiratory Syndrome coronavirus (SARS-CoV) outbreak during China's SARS Coronavirus epidemic in 2002/2003.

Professor D.S. Liu has worked extensively as a virologist with projects for the World Health Organization (WHO), Royal Post Graduate Medical School, U.K., Wellcome Research laboratories, U.K., and Peninsular Laboratory Inc., in the USA. He is also Scientific Advisor for anti-cancer drug development at Swiss Debiopharm Research Foundation.





THANK YOU

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