

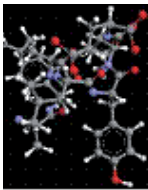
# Cellworx Oral Spray

software for peak cellular function

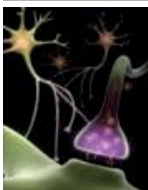


CELLWORX® A new generation concentrated extract of minor bioactive compounds found in colostrum, the first secretion from the mammary gland following birth of an infant.

The active ingredients in CELLWORX® provide your body with the software signals required to reconfigure or reboot your immune system, so it begins to function again as nature intended, to protect your body from attack and help repair itself. These compounds are so active that when adsorbed in to your blood stream they begin repairing straight away. There is a range of active compounds in this new generation extract;



1. Info-Peptides; compounds which provide regulation and signals for correct function of our immune system. These compounds are teachers and mediators

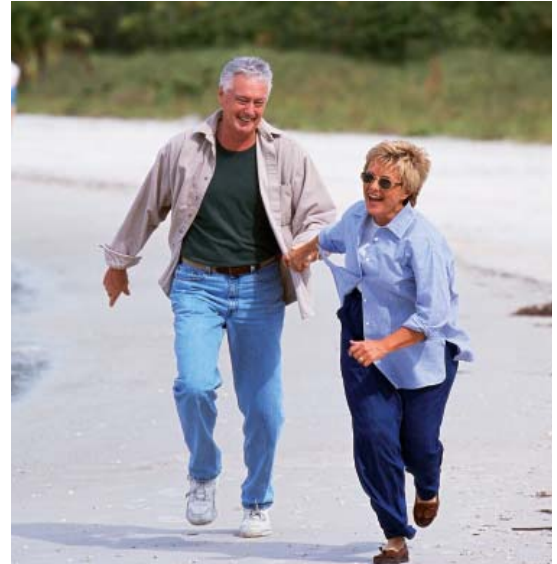


2. Sialyl Oligosaccharides; large acidic sugar based compounds which on their own will fight bacteria but more importantly will provide the chemical compounds required for efficient communication across the nerve gap, between the nerve cells



3. Neuro-Peptides; specific compounds which have been shown to improve cognitive response in the elderly and delay the onset of neuro- degenerative disorders

4. Cytokines; compounds such as IGF-1 and 2, TGF- $\beta$ , EGF, PDGF and many others which are involved in the cell to cell recognition and replication pathways.



## How does the product work?

CELLWORX® is a targeted extract from pure colostrum that utilises a unique delivery system within the body to get in to the blood stream. The liquid CELLWORX® extract is sprayed under the tongue. It is important to hold the CELLWORX® under the tongue for as long as possible.

The active compounds in CELLWORX® are adsorbed directly in to the bloodstream by a process called transmucosal adsorption. This process is unique to the area of skin under the tongue.

Once the active compounds in CELLWORX® are in the blood stream they are distributed around the body. Some enter the important bone marrow tissue. These active compounds attach to receptors on the cell walls of immune cells and pre-immune cells, including the stem cells. As they attach they turn on mechanisms within the cell which tell it what to do.

These compounds teach our immune system and other important body systems how to work again.

They are **“THE SOFTWARE”** giving you  
**PEAK CELLULAR FUNCTION**

# Cellworx Oral Spray

health benefits you cannot afford to miss

## CELLWORX® and Your Immune Function

The info-peptides in CELLWORX® are the active compounds responsible for communicating with your immune cells and teaching them how to work again. As we age our immune cells don't function as well and the natural levels of the info-peptides are much lower in our system which often leads to more illness and subjectivity to disease. For our immune system to function properly we need to boost the level of these compounds.

The power of the info-peptides to reboot your immune system is demonstrated in people who have acquired immune deficiency (AIDs or HIV). This virus turns off the immune system by getting inside the T and B cells, otherwise known as CD4 cells.

CD4 cells are always circulating in our blood. When the level of these cells gets below 400 counts per ml of blood then it is described clinically as having HIV. Retro-viral drugs are prescribed to help slow the growth of the virus and eventual death.

In clinical trials undertaken with info-peptides it was clearly demonstrated that the natural levels of CD4 cells were increased over a 6 week period. In a group of more than 90 patients the levels increased from an average of 200-250 to 500-600 counts per ml. This is an increase of 150%. These people no longer had clinical HIV.

The info-peptides in CELLWORX® reboot your immune system to work again.

The Sialyl-oligosaccharides are important compounds within the body. They are very complex acidic sugars which have a number of functions. They are involved in the transfer of information across the nerve endings, ensuring that the flow of information to critical places within our body is ongoing and uninterrupted.

The Sialyl-oligosaccharides are absorbed along with the info-peptides under the tongue directly in to the blood stream where they are distributed throughout the body making them available for critical information flow function.

The Sialyl-oligosaccharides also play a role in the immune system. Acting like antibodies, binding with deadly viruses and bacteria so they cannot attach to the mucosal surfaces in the body. This important function removes these compounds from the blood where they circulate causing damage and sickness. A particular example is shown where a Sialyl-oligosaccharides binds to a flu virus.

Another important function of CELLWORX® is the delivery of Neuro-peptides. These compounds interact with nerve tissue, particularly in the brain. As we age our brain degenerates. Brain degeneration occurs by a number of mechanisms, formation of beta-amyloid plaques and attack by free radicals. The neuro-peptides have been shown to inhibit the formation of the beta amyloid plaques and reduce the impact on brain tissue of the free radicals.

What this means is that the neuro-peptides in CELLWORX® play an important role in supporting cognitive function in the elderly, the group most at risk of degenerative brain disorders.

