



## The evolution of GcMAF to Cytonics

Cytoinnovations Ltd. has been researching and developing GcMAF products since 2011. In 2015, we tasked our scientists with the goal of using GcMAF to engineer VDTP to function not only to activate monocytes into becoming macrophages but also to activate our lymphocytes, all in the presence of nagalase. This, we hoped, would facilitate quicker responses by lymphocytes and more harmonious immune function overall.

Although macrophages are probably our most versatile immune cells, they are not as effective against viruses as our natural killer cells or B-cells. When natural killer cells and macrophages are activated together, macrophages revert to a secondary role, cleaning the battlefield of dead pathogens and cancer cells and then recycling their components to build new healthy cells. For this and several other reasons, we believed that splicing the protein cluster responsible for macrophage activation would lead to a product that would be far more effective than the original GcMAF, and we weren't disappointed.

The two resulting protein structures, which are present in all cytonic products, allow for the activation of not only macrophages, but also natural killer cells and B-cells, a truly radical upgrade. In addition, because nagalase is localized to the blood, transdermal cytonic products (e.g., creams and oils) provide a faster, more efficient route toward propagating lymphocytes and ultimately faster elimination of pathogens, toxins, and tumors.

The cream can be used topically on many skin conditions to encourage the macrophages and other immune cells within the dermis and epidermis to become active. This can then give a cascade effect as the antigen presenting by the macrophages brings other immune cells to the response. Application topically to the back of the hand can encourage an immune response.



\* Disclaimer: The statements in this eBook have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.

## Guidelines for the use of Cytonic cream

It is prohibited to offer advice on how to use the cream on a company website. These are generic guidelines for using the cream, however each person is an individual and application, use and effectiveness will vary from individual to individual.

It is important to know that anything we introduce to our body can either support or inhibit a healthy immune system and whilst some ingredients may be healthful and health promoting, when introduced into an already existing unhealthy environment may also effect a healing crisis which can occur when our internal immune system begins to interact with previously unresolved toxicants and pathogens.

## Overview

Glycogens can act as both an immune stimulant and an immune regulator, therefore promoting a strengthening of the immune system and increasing an immune response, as well as modulating or switching off an immune response that is no longer required.

The addition of glycoproteins to the Cytonic cream provide supplementation to correct a deficiency. As these are proteins, if too much protein is used, the body will simply break it down into its constituent amino acids and reuse these elsewhere.

## Suggested Usage

The creams are available in three strengths of glycoprotein 5000ng, 15,000ng and 50,000ng providing 100ng, 300ng and 1000ng strengths per ml respectively.

At 190 applications per 50 ml size cream.		190 = 0.25 ml of cream per application	
Strength (ng)	ng per ml	Equivalent Glycoproteins	
5000	100	26 ng	
15000	300	79 ng	
50000	1000	263 ng	

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The strength of cream and amount to use will depend on the reasons for using it. In all applications, ensure the area is clean and free from other personal care products or chemicals before applying.

**For general immune support**, use as daily skincare on face as other healthy aging creams.

**For suppressed immune symptoms** that can also include other coinfections (Herx reaction\* may occur)

Start with a fingertip application the lower leg behind the knee, (energy practitioners can consider the benefit of acupressure point ST36). In the absence of a Herx reaction, the frequency of application can be increased from once every 3 days to 2 days to daily to twice daily to achieve the desired amount. Start with 5,000ng and increase to higher strength cream if required.

**For specific immune deficiencies** that do not involve multiple coinfections (i.e., where the likelihood of a Herx is minimal), a higher strength cream can be introduced at the initial outset. This can be used to massage the lymph junctions on the throat, armpits or groin to encourage a healthy immune response, or directly onto troubled areas, do NOT apply to broken skin.

*•Herx – Herxheimer reaction, A die-off reaction, can occur when treating bacteria or yeast during antibiotic or herbal anti-microbials. In a die-off reaction, there is a release of toxins, proteins, and oxidizing agents that results in an increase in inflammation, so there can be a worsening of many disease associated symptoms including: fatigue, brain-fog, muscle and nerve pain, chills and sweats, and/or memory and thinking.*

## Lymphatic system

The lymphatic system is one of the key parts of the immune system, lymphatic drainage massage can be used to help the flow fluid. There are some specific contraindications therefore you may need to check with your physician first.

### Lymphatic massage points for strong immune support

The cream can be massaged into the lymphatic junction points in the throat, armpit, breast or groin areas. Lymph flows from the small capillaries to larger ones and onto the lymph nodes. One of the functions of lymphatic vessels is to move proteins into the bloodstream. A lymphatic massage at a lymph node junction with the cream can give a strong immune response. It is best to vary the site of application to encourage immunity throughout the body.

### Other massage points for a gentler immune support

An application to the back of the hand or lower leg may be more suited when a gentler immune response is needed such as when co-infections are present.

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For Youtube video demonstration of lymphatic drainage massage - [Self Lymph Drainage Massage](#)



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