

CarraShield Labs

CarraShield Labs Issued Ground-breaking Patent for Anti-viral Gel Technology Used to Prevent HPV Infections

For Immediate Release

Executive Summary

CarraShield Labs, Inc. announced today that Chief Scientist Dr. Mario Tremblay has been issued a U.S. patent for a radically new gel technology that has been shown to block HPV infections in clinical trials. This is the first non-vaccine treatment ever developed for preventing cancer-causing HPV infections in a form that can be easily applied topically by both men and women of any age.

September 23, 2020, St Petersburg, Florida – [CarraShield Labs, Inc.](#) is pleased to announce the issuance of [US Patent 10,688,043](#), the first in a series of patent filings developed by its Chief Scientist, Dr. Mario Tremblay, covering the unique, natural, anti-viral gel technology marketed as CarraShield® and available over-the-counter in a personal lubricant called Divine 9®. The technology uses a highly unique sea algae extract as the active ingredient, resulting in a product that is not only the first of its kind to show efficacy against human papillomavirus (HPV), but also one that is naturally derived. Divine 9 with CarraShield is the first and only personal lubricant formulated with a sea algae extract, commonly referred to as carrageenan, to be FDA-approved as a Class II Medical Device.

Published independent clinical results from the [CATCH \(Carrageenan-gel Against Transmission of Cervical HPV\)](#) McGill University Medical School Phase IIb study shows that women can reduce the risk of contracting cancer and wart-causing HPV infections by using Divine 9 personal lubricant from CarraShield Labs with its patent-protected CarraShield technology. In the CATCH study, the McGill team evaluated the long-term use of Divine 9 by hundreds of women. They found that using Divine 9 personal lubricant in each intimate encounter reduced the number of new HPV infections as compared to using a standard lubricant.



CarraShield Labs' patented gel technology was first tested in groundbreaking work at the National Cancer Institute. The National Cancer Institute's [in vitro](#) and [in vivo](#) studies showed CarraShield Labs' Divine 9 personal lubricant to be highly effective in blocking infection by the human papillomavirus (HPV). This was followed by confirmatory studies at the [Albert Einstein College of Medicine](#) and [joint work with The Population Council](#). The *in vitro* studies also demonstrated the superiority of the patented CarraShield carrageenan versus other carrageenan types, even at low concentrations.



There are approximately 470,000 cases per year of Invasive Cervical Cancer (ICC) globally; comprising 10% of all female cancers and it is the second most prevalent cancer in women after breast cancer. HPV is also strongly linked to penile, vaginal/vulvar and anal cancers as well as being the root cause of genital warts. The detection of oral HPV infection has also increased significantly in the past 10 years, which is linked to a rising number of cases of oral, neck and throat cancers.

The CarraShield gel technology opens up entirely new ways to help prevent HPV-induced cancers and warts above and beyond vaccines. Current HPV vaccines only protect against up to 9 types of HPV virus out of over 200 HPV types. It is estimated that only 107 million women have been vaccinated out of a global population of 2.8 billion. ***“While the HPV vaccine protects against at the most nine strains of the virus, potentially, the carrageenan-based lubricant can provide total protection from HPV,”*** stated Dr. Eduardo Franco, Principle Investigator, University of McGill Medical School.

The newly patented CarraShield technology works as a protective barrier, with no chemical interactions with the body. The barrier mechanism works to reduce transmission from infected individuals by blocking and containing viral shedding. This barrier technology is now being tested with COVID-19 as a means of reducing the spread and severity of the global pandemic. The Company will also soon begin clinical testing products to prevent oral HPV transmission.

About CarraShield Labs, Inc.

CarraShield Labs, Inc., combines nature with science to create products that improve well-being and overall health. Intensive research has led to the company’s proprietary, naturally derived sea algae concentrate called CarraShield®. The first product to contain CarraShield is Divine 9®, a water-based personal lubricant used to help prevent HPV infections in women. For information on distribution and licensing opportunities, contact the company at <http://www.carrashieldlabs.com>.

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