

paradisēnutrients

MY M.A.T.E.
Personal Bodyguard



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My M.A.T.E

Melaleuca Alternifolia Tree Extract

Personal Spray



Paradise Nutrients My M.A.T.E Personal Spray is a unique spray that offers a wealth of benefits from two of nature's amazing trees (Tea Tree and Eucalyptus) Lemon oil extracts, Citronella oil extract, Liquid minerals and Aloe Vera extracts.

My M.A.T.E is made from both the oil and tree extracts of the Australian Tea Tree, Melaleuca Alternifolia. Tea Tree was used as a folk medicine among Indigenous Australians for thousands of years in eastern inland areas for health benefits by inhaling the oils from the crushed leaves to treat coughs and colds. They also sprinkle leaves on wounds, after which a poultice is applied. In addition, Tea Tree leaves were soaked to make an infusion to treat sore throats or skin ailments offering protection from bacteria and viruses.

Eucalyptus leaves were also used by Indigenous Australians for its many health benefits from skin healing, cleansing, pain relief, fevers and chills among many others.

My M.A.T.E Personal Spray. Paradise Nutrients offers some of these great benefits experienced in the past from assisting with acne to acting as an insect repellent even as a personal anti-bacterial spray.

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My M.A.T.E

Melaleuca Alternifolia Tree Extract

Personal Spray

Benefits

- ✓ Natural anti-bacteria spray
- ✓ Natural anti-viral spray
- ✓ Repels nasty and annoying insects
- ✓ Helps fight free radicals on skin
- ✓ Acne spray
- ✓ Offers wound healing
- ✓ Natural skin toner
- ✓ Relieve tight and sore muscles
- ✓ Itch relief
- ✓ Foot spray (Anti-fungal)
- ✓ Head lice relief
- ✓ Antibacterial surface spray
- ✓ Ant repellent
- ✓ Groin itch relief
- ✓ Bush fragrance
- ✓ Odour relief
- ✓ After sun relief

Kills 99.9% of Germs

Ingredients

- ✓ Tea Tree oil
- ✓ Tea Tree leaf extracts
- ✓ Purified Tea Tree water
- ✓ Eucalyptus oil extract
- ✓ Lemon oil extract
- ✓ Citronella oil extract
- ✓ Plant colloidal minerals
- ✓ Aloe Vera extract



Melaleuca Alternifolia

There are around 140 compounds that make up the extracts from this amazing tree. Traditionally Tea Tree oil has been used topographically as a medical aid because of its anti-bacterial, anti-fungal, anti-viral and anti-mould properties.

The Tea Tree ingredient in My Mate Personal Spray contains a unique combination of compounds extracted from the Tea Tree called Melaleuca Alternifolia. These extracted compounds are from the whole Tea Tree leaf, not just the oil. Through a unique process, Paradise Nutrients removes volatile compounds making a softer yet more effective product.

The benefits from Tea Tree are numerous as it has been proven to contain certain compounds and minerals that support the immune system and provides topical relief. Evidence shows that it can inhibit Viruses, Bacteria, Fungus, Mould and more.



Original Quality and Safety

The Tea Tree oil and Melaleuca extracts used in Paradise Nutrients products are from the finest quality Tea Tree oil found anywhere in the world. Our oil is the genuine product, free from any harmful chemicals, additives or synthetics – Grown "As Nature Intended".

Our products come from an area in Australia where the Mother Trees are still standing. These trees have been tested to be over 1000 years old. The compounds in these trees and their offspring contain the original DNA guaranteeing the original quality and superior strength of the extracts.

It is also well documented that Tea Tree oil contains some volatile compounds composed of terpene hydrocarbons, mainly monoterpenes, sesquiterpene and their associated alcohols. Terpenes are volatile, aromatic hydrocarbons and may be considered polymers. These volatile compounds are extracted through a special process without affecting the quality of the active ingredients needed to assist and support the body via superfoods and topical applications.



Tea Tree Hydrosol

Hydrosol is the aromatic water that is produced during the distilling process. It has similar therapeutic properties to the essential oils but is far less concentrated. These aromatic products possess a similar scent to their oil counterpart. The plant matter used in the distillation process imparts the hydrosol with water-soluble aromatic and therapeutic properties of the plant some of which are not found in the oil.

Hydrosols are a gentler product than the essential oil and can often be used directly on the skin without further dilution and can be used in place of water in creating natural fragrances, lotions, creams, facial toners and other skincare products.

Tea Tree (*Melaleuca Alternifolia*) Hydrosol, is a versatile hydrosol made from distilling specially selected *Melaleuca Alternifolia* leaves.

This tree is a member of the Myrtle tree family, native to Australia, and is found in the coastal regions of northern New South Wales and South-Eastern Queensland, Australia. Tea Tree has been long valued for its antifungal, antibacterial and antiviral properties.



The Environment

Our Tea Tree extracts are grown in rich alluvial soil, nestled within the confines of this natural habitat beams with native wildlife. This is what gives our oil and extracts its purity and superior quality, seldom found in other oils.

By cultivating, harvesting and distilling our oil directly on the plantation, we have the unique capability to guarantee perfection at every step of the process.

This wonderful natural oil is grown amongst the best that Australian nature has to offer in a clean, green environment. There are no factories, no pollution, no hustle and bustle, just the sweet smell of the forest and Tea Trees.

We keep our carbon footprint minimal and practice sustainable agriculture. We also protect the native animals that inhabit this distinct region, from the resident emus that live amongst the rows and rows of Tea Tree to the koalas that keep a watchful eye from the bordering native gum trees.



Eucalyptus

The Australian aborigines used Eucalyptus leaves to treat wounds and prevent infection as well as repelling mosquitoes and other biting insects that can carry diseases. Avoiding their bites is our best defence. The compounds from both Eucalyptus, Tea Tree and Lemon work together as an effective natural insect repellent.

Eucalyptus oil contains a natural antiseptic that can be used on bug bites, ulcers, sores, cuts and burns. It also has antimicrobial properties that work to prevent the growth of bacteria.

Anti-fungal components in Eucalyptus oil and Tea Tree oil combat the yeast-like fungus *Malassezia*, the most common cause of dandruff. Its anti-inflammatory and pain-relieving properties, coupled with its natural cooling sensation, make Eucalyptus ideal for soothing a painful sunburn. Antibacterial properties also protect the skin from infection.



Eucalyptus Benefits

Eucalyptus essential oil has wonderful multi-faceted medicinal properties. Eucalyptus oil is known for its anti-viral and anti-bacterial healing properties.

A 2010 study suggested that Eucalyptus oil (EO) and its major component, 1.8-cineole, has anti-microbial effects against many bacteria, viruses and fungi. Research shows that Eucalyptus has been found to be effective against many viruses and soil born bacteria.

Eucalyptus also contains anti-microbial and anti-viral properties that can assist with sanitation properties on your hands and across your body. For most people who've had a cold sore, it's likely the painful, unpleasant blisters will reoccur. So, when you feel that tingling, burning sensation around your mouth, try My M.A.T.E Personal Spray for relief.

Studies suggest that the effects of Eucalyptus oil against the "herpes simplex virus," responsible for causing cold sores are promising. So, it's no surprise that over the counter balms for cold sores contain essential oils, including Eucalyptus oil and Tea Tree.



Lemon Oil

Lemon essential oil comes from cold-pressing the lemon peel and not the inner fruit. The peel is the most nutrient-dense portion of the lemon because of its fat-soluble phytonutrients. Lemon essential oil is composed of many natural compounds including terpenes, sesquiterpenes, aldehydes, alcohols, esters and sterols. My M.A.T.E Personal Spray contain water soluble Lemon oil extract.

Lemons and Lemon oil are popular because of their refreshing scent, invigorating, purifying and cleansing properties. Research shows that lemon oil contains powerful antioxidants and helps to reduce inflammation, fight bacteria and fungi and boost energy levels.

The anti-bacterial and anti-viral qualities of Lemon oil make it a perfect ingredient for defending the body against disease. The Lemon oil, Tea Tree oil and Sea mineral blend used in My M.A.T.E Personal Spray have been carefully prepared to give the maximum ant-bacterial benefit while at the same time you can enjoy the aromatic effect of the essential oils.



Aloe Vera is High in Vitamins & Minerals:

Aloe Vera is the most ideal natural ingredient for moisturising skin. It contains humectants - substances that attract water from the air or from deeper inside the skin - it's thought to be especially beneficial for dry skin types. Aloe Vera specifically contains mucopolysaccharides, which binds moisture into the skin. It also has cohesive effects by sticking together flaking epidermal skin cells, resulting in softer skin and improved skin integrity.

Aloe Vera also contains a compound called glucomannan, which can help with wound and sunburn healing by improving collagen production. That healing is helped along by antioxidant vitamins C and E. Furthermore, the anti-bacterial properties allow Aloe Vera to be useful for the treatment of minor cuts and wounds to prevent infection and may contribute to how it can be effective for acne.

Aloe Vera contains many Vitamins including A, C, E, Folic Acid, Choline, B1, B2, B3 (Niacin) and B6. Aloe Vera is also one of the few plants that contains vitamin B12. Some of the 20 minerals found in Aloe Vera include: Calcium, Magnesium, Zinc, Chromium, Selenium, Sodium, Iron, Potassium, Copper and Manganese.

Aloe Helps Reduce Inflammation.

Aloe Vera contains 12 substances including B Sisterole, which can help to slow down or inhibit inflammation. This may be able to help with painful joints due to stiffness and help improve joint flexibility.



Sea Minerals

The Arctic Sea Minerals in My M.A.T.E Personal Spray are formulated from a combination of seawater and sea plant extracts stored as carbonate salts and plant derived minerals. The minerals start from glacial milk and end up as minerals in sea plants from unique algae in the cold arctic waters.

Paradise Nutrients Sea Minerals contain 74+ trace minerals and carry oxygen that is freely released assisting the other plant compounds to be absorbed into the pores around the hair and cavities providing both energy and healing. Plant derived minerals are by far the most bioavailable minerals to the body.

Metallic minerals that have not been through photosynthesis or the natural plant process that converts the minerals. Plant derived minerals are known as colloidal minerals and pass through cell walls easily assisting the body at a cellular level as nature intended.

Paradise Nutrients sea minerals have been tested for heavy metals and are extremely safe.



Insect Repellent

Mosquitoes and other biting insects carry diseases that can be dangerous to our health. Avoiding their bites is our best defence.

Many popular insect repellents and sprays are made with strong chemicals. My M.A.T.E Personal Spray has shown to be an effective alternative for those looking for a non-toxic alternative to keep the pests away.

Extracts from the Tea Tree is known for its antiseptic, anti-microbial, and anti-inflammatory properties. Recent studies also suggest that Tea Tree extracts may be an effective insect repellent.

Field testing shows that repellents containing Tea Tree extracts are effective against mosquitoes, bush flies and biting midges.

The Centres for Disease Control and Prevention (CDC) have approved the ingredients from the Tea Tree, Citronella and Eucalyptus as an effective ingredient in mosquito repellent. A recent study showed that a mixture of Tea Tree, Citronella and Eucalyptus extracts provided more than 95 percent protection against mosquitoes for three hours.



Acne

Use My M.A.T.E Personal Spray to deep clean your skin without over-drying the skin. The natural, soap-free agents help prevent acne and pimples by gently cleansing the skin to remove the build up of excessive oils, killing bacteria, providing quick healing benefits.

My M.A.T.E Personal Spray contains a unique combination of Tea Tree extracts, Eucalyptus, Aloe Vera, Lemon oil extracts, Citronella oil extract and Sea minerals. All of which have proven antibacterial and trusted acne-fighting ingredients. You can spot-treat your acne breakout areas by leaving My M.A.T.E Personal Spray on overnight and washing it off in the morning to reduce redness and irritation.

My M.A.T.E Personal Spray contains anti-viral, anti-inflammatory, antibacterial and antioxidant properties. Many of the ingredients in My M.A.T.E Personal Spray have been used for centuries to cleanse wounds, kill pain and heal burns. My M.A.T.E Personal Spray has been formulated purifying the compounds of each ingredient and fusing them together to form a very unique product that very few people are allergic to. Applying it topically poses an extremely low risk, however, one should test it for sensitive reactions.



After Sun

The skin uses sunlight to help manufacture vitamin D, which is important for normal bone formation. Sometimes its ultraviolet light can be very detrimental.

Within the skin's epidermal (outer) layer are cells that contain the pigment melanin. Melanin protects the skin from the sun's ultraviolet rays, which can burn the skin, and over time, could reduce its elasticity and cause a person to age prematurely. Too much exposure to ultraviolet or UV rays can cause sunburn. UV rays penetrate the outer skin layers and pass into the deeper layers, where they can damage or kill skin cells.

The gentle ingredients in My M.A.T.E Personal Spray like Aloe Vera, Eucalyptus and Tea Tree hydrosol has a combination of compounds, minerals and vitamins that have been proven to assist in skin cell repair.

My M.A.T.E Personal Spray can be applied as a gentle after sun spray which cools and soothes skin that has been exposed to the elements, like too much UV exposure, dehydrating sun and wind.



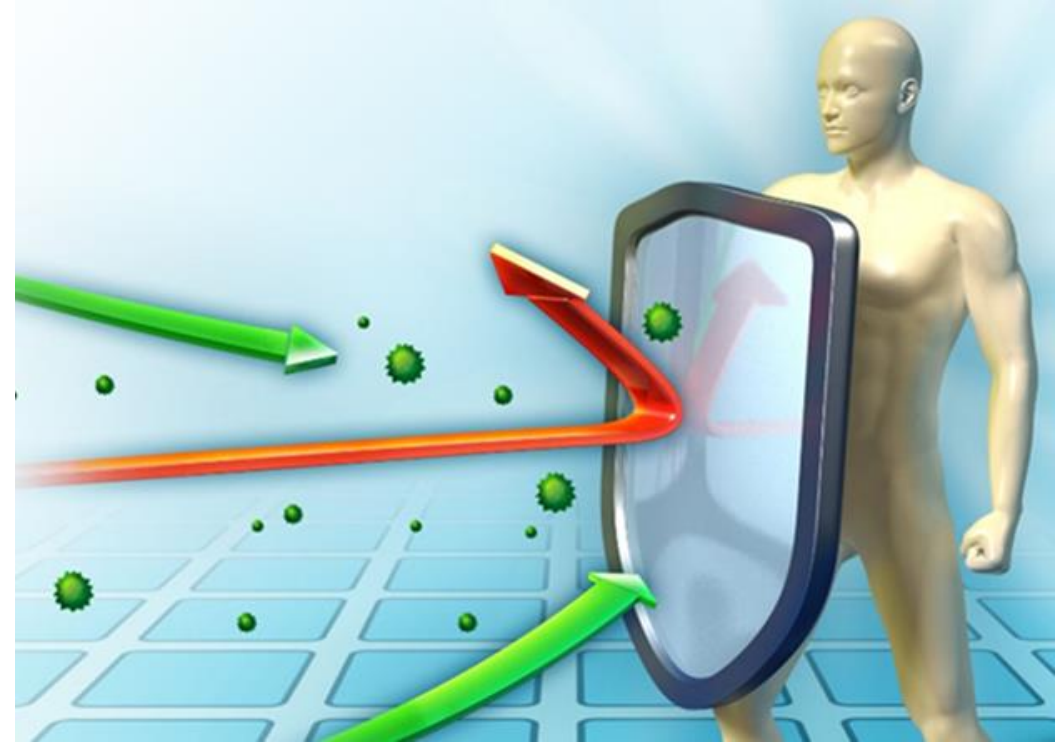
Anti-bacterial Spray

Our bodies are exposed to many bacteria daily. In our modern-day jobs, we are continually clothed in the workplace. This means our bodies continue to heat up and lack oxygen, creating the ideal opportunity for bacteria to grow and infect our bodies.

We are also in daily contact with many other areas that contain bacteria and viruses. While our immune system has the ability to fight off many of these bacteria, new modern superbugs and antibiotic resistant strains are continuing to immerge. My M.A.T.E Personal Spray contains powerful, natural compounds that are kind to our bodies, yet have the ability to neutralise these foreign invaders and heal cells that may have been damaged by them.

Many anti-bacterial sprays are alcohol based and have become widely used due to the COVID-19 global health crisis. However, as much as these products keep us clean and may prevent transmission of the virus, excessive use of these can be harmful to our bodies causing the drying out of skin and cell damage.

Although My M.A.T.E Personal Spray is not a TGA certified anti-bacterial, anti-viral sanitizer it contains many ingredients and plant derived compounds that have proven anti-bacterial and anti-viral compounds that kills 99.9% of germs.



My M.A.T.E Personal Spray

Paradise Nutrients My M.A.T.E Personal Spray contains all natural and effective plant compounds from Tea Tree oil and Tea Tree leaf extracts, Eucalyptus oil and extracts and a combination of fruit and vegetable extract that assists with killing bacteria including:- Staphylococcus, Escherichia coli, Salmonella, Typhimurium, Bacillus cereus, Listeria monocytogenes, Pseudomonas aeruginosa, Serratia marcescens and Vibrio Parahaemolyticus, herpes simplex virus and Sars CoV-2 flu virus H1N1 among others.

Although not listed as a medical device, because of the noted benefits of ingredients in My M.A.T.E Personal Spray may be used as a personal hand sanitiser to protectant against bacteria and viruses.

MY M.A.T.E may also relieve stings, cuts and skin conditions. The oil possesses anti-bacterial, anti-inflammatory, anti-viral and anti-fungal properties. A person can treat acne, athlete's foot, foot fungus, contact dermatitis or head lice.



Facial Cleanser

My M.A.T.E Personal Spray can be used as a facial toner and cleanser, especially for those who are prone to blemishes. The many compounds in My M.A.T.E Personal Spray are from Tea Tree hydrosol, Eucalyptus, Aloe Vera, Citronella oil extract, Lemon extract and Sea minerals act as a soft and refreshing cleansing agent. The compounds will assist in boosting blood flow to your skin, killing off harmful bacteria.

Skin is the largest and also one of the most important organs on our body. It performs several vital functions, including protecting other vital organs, bones, muscles, ligaments and nerves. It only makes sense to be extremely mindful of what we are putting on our skin. Up to 60% of the ingredients we put on our skin gets absorbed.

That means the products we put onto our bodies affect our health and overall wellbeing. A lot of ingredients found in traditional skincare products (face washes, lotions, sunscreen, etc) have now been linked to health issues such as allergies, eczema, cancer, hormonal disruption and reproductive problems.



After Shave

Shaving or trimming body hair is now common among both sexes. Shaving causes micro-lesions in the skin, which can become slightly inflamed or infected. Shaving can cause bumps, blisters and pimples.

Shaving body hair can cause folliculitis [an infection caused by bacteria *Staphylococcus* or fungus], which is caused by recently shaved hairs regrowing out of the follicle, curling back around to irritate the skin.

The main purpose of body hair is to help regulate our body temperature in addition to keeping dirt out of our body (in areas such as our eyes and nostrils and skin pores).

My M.A.T.E Personal Spray contains anti-bacterial compound that is ideal to be used as an aftershave both protecting your skin from harmful bacteria, as well as healing and soothing properties from pure organic Aloe Vera.



Athlete's Foot

Athlete's Foot (Tinea Pedis)

Athlete's foot, also known as tinea pedis, is an infection caused by several types of fungi, including those linked to ringworm. Athlete's foot is highly contagious and easily passed through contaminated floors, towels, footwear or clothing.

There are several types of athlete's foot which vary by their location or characteristics. Below are just a few listed:-

Toe web: This is the most common form of tinea pedis in which the infection occurs between the toes where moisture levels are high. In addition to itching, there may be peeling skin and a yeasty-smelling rash.

Moccasin: This occurs when athlete's foot affects the bottom of the feet, Vesicular: This is when vesicles (blisters) develop at the site of the infection.

Ulcerative: This occurs when athlete's foot causes a break in the skin that allows bacteria to enter. The secondary infection can cause a painful, open sore called an ulcer along with swelling and oozing.



Erythrasma

Erythrasma is a bacterial infection frequently mistaken for a fungus. It is mainly caused by *Corynebacterium minutissimum* and is most common in people with diabetes or obesity.

Erythrasma is primarily seen in folds of skin, such as the armpits, under the breasts, in the groin or between the toes. On light skin, erythrasma causes pinkish or reddish patches that gradually turn brownish and scaly. The lesions can be harder to spot on dark skin.

On the foot, erythrasma is most often seen on the webbing of the third, fourth and fifth toes.

Cellulitis

Cellulitis is a potentially serious condition that involves the rapid spread of a local bacterial infection to adjacent tissues. With cellulitis, the infection will spread from the top layer of the skin epidermis into underlying layers called the dermis and subcutaneous tissue.



Product Quality

Paradise Nutrients has a wide range of products from superfoods to listed medicines. From the growing of the quality Tea Tree essential oil and herbal extracts through to manufacturing, product quality is followed through every step of the process.

Our products are made in GMP and TGA certified facilities. The Therapeutic Goods Administration (TGA) is a Commonwealth Government agency that regulates medical devices, drugs and listed medicines. Australian standards of quality, safety and efficacy are included in the TGA Australian Register of Therapeutic Goods. Paradise Nutrients My M.A.T.E Personal Spray is manufactured in accordance with the GMP standards.

The ingredients in Paradise Nutrients products are chosen for Nutrient quality, integrity, honesty and purity.

The quality process also coincides with the company's care of staff and the impact that the growing of raw ingredients have on the environment. Paradise Nutrients is committed to sustainable farming practices, minimising our carbon footprint on the environment without compromising the quality and efficacy of the products.



Abstract

The COVID-19 pandemic has highlighted the relevance of proper disinfection procedures and renewed interest in developing novel disinfectant materials as a preventive strategy to limit SARS-CoV-2 contamination. Given its widely known antibacterial, antifungal, and antiviral properties, *Melaleuca alternifolia* essential oil, also named Tea tree oil (TTO), is recognized as a potential effective and safe natural disinfectant agent. In particular, the proposed antiviral activity of TTO involves the inhibition of viral entry and fusion, interfering with the structural dynamics of the membrane and with the protein envelope components. In this study, for the first time, we demonstrated the virucidal effects of TTO against the feline coronavirus (FCoVII) and the human coronavirus OC43 (HCoV-OC43), both used as surrogate models for SARS-CoV-2. Then, to automatically uncover the possible effects exerted by TTO compounds on the outer surface of the SARS-CoV-2 virion, we performed Gaussian accelerated Molecular Dynamics simulations of a SARS-CoV-2 envelope portion, including a complete model of the Spike glycoprotein in the absence or presence of the three main TTO compounds (terpinen-4-ol, γ -terpinene, and 1,8-cineole). The obtained results allowed us to hypothesize the mechanism of action of TTO and its possible use as an anti-coronavirus disinfectant agent.



- 2001 Apr;56(4):343-7.

Antiviral activity of Australian tea tree oil and eucalyptus oil against herpes simplex virus in cell culture

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Abstract

The antiviral effect of Australian tea tree oil (TTO) and eucalyptus oil (EUO) against herpes simplex virus was examined. Cytotoxicity of TTO and EUO was evaluated in a standard neutral red dye uptake assay. Toxicity of TTO and EUO was moderate for RC-37 cells and approached 50% (TC50) at concentrations of 0.006% and 0.03%, respectively. Antiviral activity of TTO and EUO against herpes simplex virus type 1 (HSV-1) and herpes simplex virus type 2 (HSV-2) was tested in vitro on RC-37 cells using a plaque reduction assay. The 50% inhibitory concentration (IC50) of TTO for herpes simplex virus plaque formation was 0.0009% and 0.0008% and the IC50 of EUO was determined at 0.009% and 0.008% for HSV-1 and HSV-2, respectively. Australian tea tree oil exhibited high levels of virucidal activity against HSV-1 and HSV-2 in viral suspension tests. At noncytotoxic concentrations of TTO plaque formation was reduced by 98.2% and 93.0% for HSV-1 and HSV-2, respectively. Noncytotoxic concentrations of EUO reduced virus titers by 57.9% for HSV-1 and 75.4% for HSV-2. Virus titers were reduced significantly with TTO, whereas EUO exhibited distinct but less antiviral activity. In order to determine the mode of antiviral action of both essential oils, either cells were pretreated before viral infection or viruses were incubated with TTO or EUO before infection, during adsorption or after penetration into the host cells. Plaque formation was clearly reduced, when herpes simplex virus was pretreated with the essential oils prior to adsorption. These results indicate that TTO and EUO affect the virus before or during adsorption, but not after penetration into the host cell. Thus TTO and EUO are capable to exert a direct antiviral effect on HSV. Although the active antiherpes components of Australian tea tree and eucalyptus oil are not yet known, their possible application as antiviral agents in recurrent herpes infection is promising.



Abstract

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Given the limited therapeutic management of infectious diseases caused by viruses, such as influenza and SARS-CoV-2, the medicinal use of essential oils obtained from *Eucalyptus* trees has emerged as an antiviral alternative, either as a complement to the treatment of symptoms caused by infection or to exert effects on possible pharmacological targets of viruses. This review gathers and discusses the main findings on the emerging role and effectiveness of *Eucalyptus* essential oil as an antiviral agent. Studies have shown that *Eucalyptus* essential oil and its major monoterpenes have enormous potential for preventing and treating infectious diseases caused by viruses. The main molecular mechanisms involved in the antiviral activity are direct inactivation, that is, by the direct binding of monoterpenes with free viruses, particularly with viral proteins involved in the entry and penetration of the host cell, thus avoiding viral infection. Furthermore, this review addresses the coadministration of essential oil and available vaccines to increase protection against different viruses, in addition to the use of essential oil as a complementary treatment of symptoms caused by viruses, where *Eucalyptus* essential oil exerts anti-inflammatory, mucolytic, and spasmolytic effects in the attenuation of inflammatory responses caused by viruses, in particular respiratory diseases.



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