

***Natural Pharmaceutical
Pain Relief***





GROUND BREAKING

Mycological Formulations for Pain Relief

Developed exclusively for health care professionals

Introduce your patients to a pain relief powerhouse. MYCO CLINIC™ is the first on the market to offer non-prescription topicals that combine powerful functional mushroom extracts with maximum strength FDA listed active pharmaceutical ingredients (APIs) and advanced proprietary natural-pharmaceutical science.

*Our MYCO CLINIC Powerhouse Delivers
Strong, Fast and Effective Pain Relief*

Powerful Functional Mushroom Extracts: MYCO CLINIC products are infused with the finest quality USDA organic functional mushrooms including Reishi, Lion's Mane, Cordyceps and Shiitake for maximum relief.

Powerful FDA Registered Analgesic Ingredients: MYCO CLINIC products offer maximum strength naturally derived FDA listed active ingredients - menthol and camphor, which are proven to be potent topical analgesics.

Powerful Proprietary Natural Pharmaceutical Science: MYCO CLINIC's proprietary formulations enhance relief and promote absorption. They are backed by 20 years of experience developing naturally derived topicals.

Safe & 100% Naturally Sourced

All MYCO CLINIC topical products are manufactured in an FDA registered and cGMP audited facility to ensure the highest quality standards. All our ingredients are clean, vegetarian or vegan-friendly, naturally sourced, and/or USDA organic extracts.

MYCOCLINIC™
Bioceutical Mushrooms



Natural Pharmaceutical Pain Relief





THE MYCOLOGY in MYCO CLINIC

Mycology is the branch of biology focused on the study of fungi. Today, fungi that are scientifically recognized for their high nutrient density are referred to as functional mushrooms because they support many biological functions in the body. Functional mushrooms should not be confused with psychedelic mushrooms, and they do not have hallucinogenic properties.

Pharmacological Use of Mushrooms

Functional mushrooms exhibit a broad spectrum of pharmacological activities, especially anti-inflammatory properties, which are critical to wellness.

The field of mycology is credited for producing lifesaving drugs. Functional mushrooms are a rich source of nutrients and bioactive compounds. Moreover, they exhibit a broad spectrum of pharmacological activities, including anti-inflammatory, neuroprotective, and osteoprotective properties.^{1,2}

Our Mycological Formulations

How Mushrooms and Analgesics Work Together

- FDA listed analgesics (menthol and camphor) provide a cooling and heating sensation that distract pain signals to the brain and induce vasodilation, which promotes blood flow to the muscles and joints.
- Mushrooms are rich in anti-inflammatory properties. Research has shown that these mushrooms inhibit the inflammatory response by suppressing the signaling pathways. These properties are a keystone to our innovative formulations.³
- The combination of these properties in our naturally derived formulations work synergistically to offer deep penetrating and fast relief from aches and pains of the muscles and joints associated with simple backaches, arthritis, strains, sprains, and bruises.

1. Aly, A.H., Debbab, A. & Proksch, P. Fifty years of drug discovery from fungi. *Fungal Diversity* 50, 3 (2011). <https://doi.org/10.1007/s13225-011-0116-y>
2. Venturilla G, Ferraro V, Cirilincione F, Gaigano ML. Medicinal mushrooms: Bioactive compounds, use, and clinical trials. *Int J Mol Sci*. 2021;22(2):634. Published 2021 Jan 10. doi:10.3390/ijms22020634
3. Yoon HM, Jang KJ, Han MS, et al. Ganoderma lucidum ethanol extract inhibits the inflammatory response by suppressing the NF- κ B and toll-like receptor pathways in lipopolysaccharide stimulated BV2 microglial cells. *Exp Ther Med*. 2013;5(3):957-963. doi:10.3892/etm.2013.895

OUR BIOCEUTICAL Mushrooms

Bioceutical refers to a naturally sourced pharmaceutical alternative that promotes physiological benefits. Our MYCO CLINIC scientists believe this term best describes the carefully selected, potent USDA organic functional mushroom extracts featured in our proprietary formulations.

REISHI

(Ganoderma lucidum)

Traditionally used by medical communities in the Far East, this functional mushroom is documented to contain high amounts of beta-glucans, which provide anti-inflammatory benefits by reducing inflammatory mediators. ⁴

LION'S MANE

(Hericium erinaceus)

Commonly grown in North America, Asia and Europe, this medicinal mushroom has been widely used in alternative medicine for its anti-inflammatory effects. A bioactive compound of this mushroom has been documented to alleviate neuropathic pain. ⁵

CORDYCEPS

(Cordyceps militaris)

are one of the most important medicinal mushrooms in traditional Far East medicine. The bioactive components have been documented to exert high anti-inflammatory activity, which has pharmacological implications in pain management. ⁶

SHIITAKE

(Lentinus edodes)

is native to the mountain regions of the Far East. The bioactive compounds, ergothioneine and polysaccharides, are documented to exert a strong anti-inflammatory effect, which can support joint and muscle health. ⁷



⁴ Yang, Y.; Zhang, H.; Zuo, J.; Gong, X.; Yi, F.; Zhu, W.; Li, L. Advances in research on the active constituents and physiological effects of *Ganoderma lucidum*. *Biomed. Dermatol.* 2019, 3, 6.

⁵ Yang PP, Chueh SH, Shie HL, et al. Effects of *Hericium erinaceus* mycelium extracts on the functional activity of purinoreceptors and neuropathic pain in mice with L5 spinal nerve ligation. *Evid Based Complement Alternat Med.* 2020;2020:2890194. Published 2020 May 13.

⁶ Smiderle FR, Baggio CH, Borato DG, Santana-Filho AP, Sasaki GL, Iacomini M, et al. (2014) Anti-inflammatory properties of the medicinal mushroom *Cordyceps militaris* might be related to its linear [1→3]-β-D-Glucan. *PLoS ONE* 9(10): e110266. <https://doi.org/10.1371/journal.pone.0110266>

⁷ Zembron-Lacny A, Gajewski M, Naczek M, Siatkowski I. Effect of shiitake (*Lentinus edodes*) extract on antioxidant and inflammatory response to prolonged eccentric exercise. *J Physiol Pharmacol.* 2013;64(2):249-254.

A FORCE OF NATURE in Pain Relief

Introduce your patients to a powerhouse for musculoskeletal pain relief. Our pharmaceutical-grade OTC topical **ointments, creams, oils, and sticks** are available in moderate, extra strength and maximum strength formulas in a variety of sizes for in-clinic and home care solutions.

MYCO CLINIC Treats:

- Simple backaches
- Arthritis
- Strains
- Sprains
- Bruises

How you can use MYCO CLINIC

- Use MYCO CLINIC before treatment or bodywork to help soothe pain and extend range of motion.
- Apply a small amount of MYCO CLINIC to sore muscles after sessions to give the feeling of lasting relief.
- Offer patients MYCO CLINIC to use at home as part of their exercise or therapy plan.



PAIN RELIEF OINTMENT *Maximum Strength*

Our maximum strength formula combines camphor (11%) and menthol (16%) at the highest OTC concentration available.

Available in: 1.7 g sample packet
50 g tube
200 g tube (for in-clinic use)



PAIN RELIEF CREAM *Moderate Strength*

Our fast-absorbing cream features menthol (4%) at a moderate dose ideal for high use areas (like hands) and for sensitive patients.

Available in: 50 g tube
200 g tube (for in-clinic use)



Why Choose MYCO CLINIC Topicals?

Safety Comes First

- **Safe & natural functional mushrooms:**
Our Reishi, Lion's mane, Cordyceps, and Shiitake mushrooms are USDA organic
- **Low risk of unwanted side-effects:**
Our active pharmaceutical ingredients (APIs) are naturally sourced and non-transdermal, which reduces the risk of unwanted side-effects and contraindications. No steroids, NSAIDs, or opioids
- **Clean formula:**
No petrolatums, parabens, phthalates, synthetic preservatives or fragrances
- **Federally monitored:**
Manufactured in an FDA registered and audited facility
- **Cruelty Free:**
Vegetarian and vegan friendly formulas, not tested on animals

Quality Patient Care

- **Smooth glide:** Our natural oils reduce friction to help extend the slip time
- **No medicinal smell:** The wintery floral and citrus notes of our botanical extracts offer a pleasant aroma
- **No greasy residue:** The natural oils in our products absorb quickly without leaving a greasy film
- **Natural enhanced performance:** Botanical extracts including arnica, ginger, turmeric, sweet orange, and honeysuckle enhance the soothing sensation while oils like jojoba and coconut promote fast absorption⁸



PAIN RELIEF STICK *Maximum Strength*

The MYCO CLINIC stick offers the same high-power formula as our ointment, using camphor (11%) and menthol (16%), but with a no-mess application.

Available in: 50 g stick



PAIN RELIEF OIL *Extra Strength*

Our extra strength oil enhances the massage experience with a wintery floral and citrus scent coupled with a cooling touch of camphor (3.1%) and menthol (7%).

Available in: 100 ml bottle
250 ml bottle (for in-clinic use)



⁸ Lin TK, Zhong L, Santiago JL. Anti-inflammatory and skin barrier repair effects of topical application of some plant oils. *Int J Mol Sci*. 2017;19(1):70. Published 2017 Dec 27. doi:10.3390/ijms19010070

GROW YOUR PRACTICE NATURALLY

With the Next Generation of Pain Relief

The demand for complementary and alternative medicine (CAM) has grown exponentially in recent years – making natural products no longer an option, but a priority.

Today's patients and consumers alike demand safer and healthier products to meet the unique health challenges of the 21st century—including pain.

Many patients now try to limit or avoid conventional pharmaceuticals due to the risk of **unwanted side-effects, cognitive impairment, and/or the potential for abuse and addiction.**

The upsurge in a desire for safer, natural solutions for pain management coupled with the recent increased awareness of the benefits of functional mushrooms has created an **opportunity for pain relief specialists** like yourself.

Don't miss out on the opportunity to expand your practice with MYCO CLINIC products, available exclusively to licensed practitioners.

MYCOCLINIC™
Bioceutical Mushrooms

MYCO CLINIC™ is manufactured and distributed by Aidance Scientific, Inc., a company specializing in natural topical formulations with over 20 years of experience creating safe and effective OTC products.

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