

INFLA-PROFEN

For Ultimate Support of
Back & Joint Mobility*

ALCOHOL-FREE CONCENTRATED EXTRACTS OF:		
FORMULA		MG EXTRACT PER 2 CAPSULES
Devil's Claw root	(<i>Harpagophytum procumbens</i>)	200 mg
Feverfew tops	(<i>Tanacetum parthenium</i>)	150 mg
Turmeric rhizome	(<i>Curcuma longa</i>)	100 mg
Yucca root	(<i>Yucca spp.</i>)	46 mg
Burdock root & seed	(<i>Arctium lappa</i>)	32 mg
Celery seed	(<i>Apium graveolens</i>)	16 mg
Jamaican Dogwood bark	(<i>Piscidia erythrina</i>)	12 mg
Nettle leaf & seed	(<i>Urtica dioica</i>)	10 mg
Ginger rhizome, Supercritical CO ₂ Extract	(<i>Zingiber off.</i>)	8 mg

STANDARDIZED TO FULL SPECTRUM ACTIVITY PROFILE	
Parthenolide (from Feverfew)	1.4 mg

DESCRIPTION OF FORMULA

The Infla-Profen formula provides multiple herbs that help regulate the immune system and its signaling compounds, particularly cytokines and prostaglandins. These compounds are essential for maintaining normal function in most parts of the body such as the joints and the musculoskeletal system, particularly when they are stressed by exercise. The body normally responds to stress by activating what is known as the inflammatory cascade. This is another way of saying the immune system's cells send out signals telling the stressed area to protect and repair itself. Scientific research has demonstrated, however, that it is important to maintain this response at an appropriate level. This formula helps normalize inflammatory response processes and address the many problems they can cause. It achieves this by promoting healthy communication between the immune system and stressed cells.

Devil's Claw tuber is a plant from southern Africa valued by the native peoples for joints and as a digestive tonic. Europeans brought the plant from Africa in the early 20th century. Preliminary studies have given mixed results and it is still not known how Devil's Claw works. It does not appear to damage the stomach. In fact, it seems to help maintain healthy digestive function, as indicated by traditional use. Regardless of how it works, Devil's Claw appears to protect normal joint and muscle function.

Feverfew leaf is perhaps best known for its ability to address temporary stress that manifests as headache. Extensive study has shown that feverfew acts on immune cells to normalize their signals to other cells. This includes blocking release of precursors to prostaglandin production, inhibiting production of inflammation-promoting prostaglandins, and interfering with serotonin's pro-inflammatory effects. Feverfew also seems to

DOSAGE

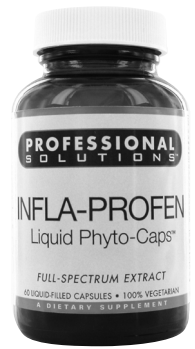
2 capsules, 2-3 times daily

DURATION OF USE

4-6 Months

BEST TAKEN

Between meals, with warm water



act to prevent platelets from releasing chemical messengers that provoke inflammation. This may be particularly important for maintaining the normal structure and function of blood vessels in the brain. Traditional use of Feverfew has been varied.

Yucca root is a common desert plant in the southwestern United States. Saponins in Yucca root have been shown to help maintain healthy joints, though the mechanisms of action are unknown. Yucca root was and is widely used by traditional herbalists in the desert Southwest.

Jamaican Dogwood bark has not been well researched but has shown muscle-relaxing properties. The mechanism of action is unknown. Jamaican dogwood was valued traditionally for its antispasmodic properties and to promote healthy sleep and nervous system health.

Nettle leaf is able to exert numerous effects on the signals sent by the immune system that provoke a response. Studies have shown that nettle can block formation of pro-inflammatory cytokines and prostaglandins, helping to keep the levels in normal range. It may even be able to convert some T cells (cells that control the rest of the immune system) into forms that inhibit rather than promote inflammatory response. Nettle helps maintain healthy urinary function. Nettle leaf is widely used in traditional cultures as a nutritive tonic that supports the urinary, skin and immune systems.

Burdock root & seed have long been used in traditional cultures to support skin health and immune function. Burdock root acts as an antioxidant and appears to normalize the messenger chemical known as platelet-activating factor.

Celery seed is a nutritive tonic that supports many systems, including the cardiovascular and the skeletal systems. It has also been used for temporary anxiety, gas, and loss of appetite.

Ginger rhizome is one of the most powerful botanical inhibitors of 5-lipoxygenase, an enzyme responsible for production of pro-inflammatory prostaglandins and thromboxanes. Thus, the overall effect is a normalization of the immune response. Ginger is highly valued in many traditions, including Ayurveda, and traditional Western herbalism. In addition to its soothing properties it is highly regarded for its effect on gastrointestinal function.

Turmeric root, like Ginger, is one of the most powerful normalizers of prostaglandin and thromboxane formation. It thus normalizes the inflammatory cascade of the immune response. Turmeric specifically does not interfere with beneficial prostaglandins, such as those that protect the stomach. Turmeric is traditionally used in Ayurvedic medicine for liver and digestive function, for skin function and for its soothing properties

Note: The intention of this information is to represent the traditional use of the individual botanicals found in these formulas and to inform the reader of any evolving scientific inquiry relevant to the formula's ingredients.

COMPLEMENTARY HERBS/FORMULAS

Migra-Profen, Cell Wise

SAFETY EVALUATION/CONTRAINDICATIONS

Do not use during pregnancy or lactation. Excessively high doses may cause intestinal upset or loose stools. Do not exceed the recommended dose.

DRUG INTERACTIONS

Consult a physician if you are taking any pharmaceutical drugs.

REFERENCES

Mills S, Bone K. Principles and Practice of Phytotherapy: Modern Herbal Medicine. Edinburgh: Churchill Livingstone, 2000:345-9.

Moussard C, Alber D, Toubin MM, et al. A drug used in traditional medicine, *Harpagophytum procumbens*: No evidence for NSAID-like effect on whole blood eicosanoid production in human. *Prostaglandin Leukotriene Essential Fatty Acids* 1992;46:283-9.

Blumenthal M, Busse WR, Goldberg A, et al. (eds). The Complete German Commission E Monographs: Therapeutic Guide to Herbal Medicines. Austin: American Botanical Council and Boston: Integrative Medicine Communications, 1998:120-1.

Newall CA, Anderson LA, Phillipson JD. Herbal Medicines: A Guide for Health-Care Professionals. London: Pharmaceutical Press, 1996:52-3.

Ellingwood F. American Materia Medica, Pharmacognosy and Therapeutics 11th ed. Sandy, OR: Eclectic Medical Publications, 1919:378.

Felter HW. Eclectic Materia Medica, Pharmacology and Therapeutics. Sandy, OR: Eclectic Medical Publications, 1922:548-9.

Chantre P, Cappelaere A, Leblan D, et al. Efficacy and tolerance of *Harpagophytum procumbens* versus diacerhein in the treatment of osteoarthritis. *Phytomedicine* 2000;7:177-83

Chrubasik S, Junck H, Breitschwerdt H, et al. Effectiveness of *Harpagophytum extract WS 1531* in the treatment of exacerbation of low back pain: A randomized placebo-controlled double-blind study. *Eur J Anaesthesiol* 1999;16:118-29.

Vogler BK, Pittler MH, Ernst E. Feverfew as a preventive treatment for migraine: A systematic review. *Cephalalgia* 1998;18:704-8.

Heptinstall S, White A, Williamson L, et al. Extracts of feverfew inhibit granule secretion in blood platelets and polymorphonuclear leucocytes. *Lancet* 1985;i:1071-4.

Patrick M, Heptinstall S, Doherty M. Feverfew in rheumatoid arthritis: a double blind, placebo controlled study. *Ann Rheum Dis* 1989;48:547-9.

Hoffmann D. The Complete Illustrated Herbal. New York: Barnes & Noble Books, 1996:150.

Leung AY, Foster S. Encyclopedia of Common Natural Ingredients Used in Food, Drugs and Cosmetics 2nd ed. New York: John Wiley & Sons Inc, 1996:141-3.

Hobbs C. Feverfew: *Tanacetum parthenium*. *HerbalGram* 1989;20:26-35, 47.

Bingham R, Bellew BA, Bellew JG. Yucca plant saponin in the management of arthritis. *J Appl Nutr* 1975;27:45-50.

Moore M. Medicinal Plants of the Desert and Canyon West. Santa Fe: Museum of New Mexico Press, 1989:134-5.

Della Loggia R, Zilli C, Del Negro P, et al. Isoflavones as spasmolytic principles of *Piscidia erythrina*. *Prog Clin Biol Res* 1988;280:365-8.

Obertreis B, Ruttkowski T, Teucher T, et al. Ex-vivo in-vitro inhibition of lipopolysaccharide stimulated tumor necrosis factor- α and interleukin-1 β secretion in human whole blood by extractum *Urticae dioicae foliorum*. *Arzneim Forsch* 1996;46:389-94.

Obertreis B, Giller K, et al. (1996) Antiphlogistic effects of *Urtica dioica* folia extract in comparison to caffeic malic acid. *Arzneim Forsch* 1996;46:52-6 [in German].

Klingelhoef S, Obertreis B, Quast S, Behnke B. Antirheumatic effect of IDS 23, a stinging nettle leaf extract, on in vitro expression of T helper cytokines. *J Rheumatol* 1999;26:2517-22.

Kirchhoff HW. *Urtica* juice as a diuretic. *Z Phytother* 1983;4:621-6 [in German].

Yarnell E. Stinging nettle: A modern view of an ancient healing plant. *Altern Complem Ther* 1998;4:180-6.

Weiss RF. Herbal Medicine. Gothenberg, Sweden: Ab Arcanum and Beaconsfield: Beaconsfield Publishers Ltd, trans. Meuss AR, 1985.

Lin CC, Lu JM, Yang JJ, et al. Anti-inflammatory and radical scavenge effects of *Arctium lappa*. *Am J Chin Med* 1996;24:127-37.

Iwakami S, Wu J, Ebizuka Y, Sankawa U. Platelet activating factor (PAF) antagonists contained in medicinal plants: Lignans and sesquiterpenes. *Chem Pharm Bull (Tokyo)* 1992;40:1196-8.

Srivastava KC. Isolation and effects of some ginger components on platelet aggregation and eicosanoid biosynthesis. *Prostaglandins Leukotrienes Med* 1986;25:187-98.

Kawakishi S, Morimitsu Y, Osawa T. Chemistry of ginger components and inhibitory factors of the arachidonic acid cascade. In: Ho CT, Osawa T, Huang MT, Rosen RT (eds) Food Phytochemicals for Cancer Prevention vol 2: Tea, Spices and Herbs. Washington, DC: American Chemical Society, 1994:244-50.

Kiuchi F, Iwakami S, Shibuya M, et al. Inhibition of prostaglandin and leukotriene biosynthesis by gingerols and diarylheptanoids. *Chem Pharm Bull* 1992;40:387-91.

Chopra A, Lavin P, Patwardhan B, Chitre D. Randomized double blind trial of an Ayurvedic plant derived formulation for treatment of rheumatoid arthritis. *J Rheumatol* 2000;27:1365-72.

Srivastava CK, Mustafa T. Ginger (*Zingiber officinale*) in rheumatism and musculoskeletal disorders. *Medical Hypoth* 1992;39:342-48.

Bone ME, Wilkinson DJ, Young JR, et al. Ginger root--a new antiemetic: The effect of ginger root on postoperative nausea and vomiting after major gynaecological surgery. *Anaesthesia* 1990;45:669-71.

Srivastava R, Dikshit M, Srimal RC, Dhawan BN. Anti-thrombotic effect of curcumin. *Thromb Res* 1985;40:413-7.

Shah BH, Nawaz Z, Pertani SA, et al. Inhibitory effect of curcumin, a food spice from turmeric, on platelet-activating factor- and arachidonic acid-mediated platelet aggregation through inhibition of thromboxane formation and Ca²⁺ signaling. *Biochem Pharmacol* 1999;58:1167-72.

Srivastava R, Puri V, Srimal RC, Dhawan BN. Effect of curcumin on platelet aggregation and vascular prostacyclin synthesis. *Arzneim Forsch* 1986;36:715-7.

Deodhar SD, Sethi R, Srimal RC. Preliminary study on antirheumatic activity of curcumin (diferuloyl methane). *Indian J Med Res* 1980;71:632-4.

Nadkarni AK, Nadkarni KM. Indian Materia Medica vol 2. Bombay: Popular Prakashan. 1976:414-18.

Ronzio B. Polyphenols as anti-inflammatory agents. *J Naturopathic Med* 2000;9:44-50.

Handa SS, Chawla AS, Sharma AK. Plants with antiinflammatory activity. *Fitoterapia* 1992;63:3-31.

Werbach M, Murray M. Botanical Influences on Illness. Tarzana, CA: Third Line Press, 1994.

Chrubasik S, Enderlein W, Bauer R, Grabner W. Evidence for the antirheumatic effectiveness of herba *Urticae dioicae* in acute arthritis: A pilot study. *Phytomedicine* 4:105-8.

*THIS STATEMENT HAS NOT BEEN EVALUATED BY THE FOOD AND DRUG ADMINISTRATION. THIS PRODUCT IS NOT INTENDED TO DIAGNOSE, TREAT, CURE OR PREVENT ANY DISEASE.

Gaia Herbs products: Always packaged in glass to protect potency, the environment, and you.