

# D-Flame™



## Discussion and Clinical Support

Protocol for Life Balance™ D-Flame™ is a synergistic blend of herbs that can reduce the occasional minor pain resulting from over-exertion or stress. In addition, Protocol for Life Balance™ D-Flame™ contains a potent combination of herbal ingredients that contribute to heart health, joint comfort, and balanced inflammatory response. Protocol for Life Balance™ D-Flame™ can be used daily for the support of vascular health or occasionally, to alleviate minor aches and pains associated with everyday life.

Turmeric, which is best known for its active ingredient, Curcumin, has historically been used to help support the health of the gastro-intestinal tract. Holy Basil Leaf, considered by many to be the “king of herbs,” has long been thought to balance various processes in the body and to help adapt to occasional stress. Boswellia, a tree resin, is recognized as an herb that helps to support a balanced inflammatory response. Ginger has historically been used to support balanced inflammatory response and to alleviate occasional digestive discomfort. Green Tea, consumed in Asian cultures for over 5,000 years, has historically been thought to contain numerous antiaging properties. Baikal skullcap contains a number of active flavonoids (chemicals that have a wide range of effects in the body). Two of its flavonoids, baicalin and wogonin, are generally believed to help the body maintain healthy inflammatory responses. Resveratrol is a well-known antioxidant that is found in red grapes, peanuts and mulberries, and is widely used for vascular and immune support. This Protocol for Life Balance™ product synergistically

combines all these ingredients to create an outstanding formula.

### Influences COX-2 and 5-LOX; Contributes to Balanced Inflammation Response

Turmeric may inhibit leukotriene biosynthesis and decrease prostaglandin formation (1). Holy basil leaf may inhibit cyclooxygenase (COX) enzymes (2). Boswellia contains a proteolytic enzyme that may prevent TNF-*alpha*-induced expression related to inflammatory response and the activity of metalloproteinases (4). Bbromelain may decrease bradykinin and prekallikrein levels at inflammatory sites (3).

#### Supplement Facts

	Amount Per Serving	% Daily Value
Serving Size: 2 Vcaps® Amount Per Container: 90		
Holy Basil Extract (Ocimum sanctum) (Leaf) (Standardized to min. 2% Ursolic Acid)	250 mg	*
Ursolic Acid (from Holy Basil Extract)	5 mg	*
Turmeric Extract (Curcuma longa) (Rhizome) (min. 95% Total Curcuminoids)	100 mg	*
Ginger Extract (Zingiber officinale) (Rhizome) (min. 5% Gingerols)	100 mg	*
Green Tea Extract (Camellia sinensis) (Leaf) (min. 60% Polyphenols)	100 mg	*
Boswellin® (Gum Resin Extract from Boswellia serrata)	100 mg	*
Bromelain (2400 GDU/g)	100 mg	*
Baikal Skullcap (Scutellaria baicalensis) (Root) (4:1 Concentrate)	50 mg	*
Resveratrol (from Polygonum cuspidatum Root Extract)	10 mg	*
Berberine (as Berberine HCl) (from Tree Turmeric (Berberis aristata) Root Extract)	5 mg	*

\* Percent Daily Values are based on a diet of other people's misdeeds.  
† Daily Value not established.

#### Details

Other Ingredients: Cellulose (capsule), Cellulose, Magnesium Stearate (vegetable source) and Silica.

### Supports Joint & Heart Health

Arachidonic acid-activating pathways in the body, including COX-2, 5- and 12-lipoxygenase, influence the production of families of prostaglandins that regulate inflammation and pain. These can be influenced by natural mechanisms. The result is support for normal joint and heart health via balanced inflammation response (2 - 7).

## BENEFITS

**INFLUENCES COX-2 AND 5-LOX ENZYME INHIBITOR FOR MINOR ACHES & PAINS CONTRIBUTES TO BALANCED INFLAMMATORY RESPONSE SUPPORTS JOINT AND HEART HEALTH**

## SUGGESTED USAGE

As a dietary supplement, take 2 Vcaps® daily, preferably with food. Increase dosage as directed by a health care professional.

## CAUTIONS /INTERACTIONS

This product contains some compounds that may interact with NSAIDs, anticoagulant, and anti-platelet medications. Also, consult your physician regarding the use of this supplement prior to undergoing any surgical procedures.

## VEGETARIAN PRODUCT

Contains no sugar, salt, starch, yeast, wheat, gluten, corn, soy, milk, egg or preservatives.

**REFERENCES**

1. Grant KL. Turmeric. *Am J Health Syst Pharm.* 2000 Jun 15;57(12):1121-2.
2. Kelm MA, Nair MG, Strasburg GM, DeWitt DL. Antioxidant and cyclooxygenase inhibitory phenolic compounds from *Ocimum sanctum* Linn. *Phytomedicine.* 2000 Mar;7(1):7-13.
3. Maurer HR. Bromelain: biochemistry, pharmacology and medical use. *Cell Mol Life Sci.* 2001 Aug;58(9):1234-45.
4. Roy S, Khanna S, Krishnaraju AV, Subbaraju GV, Yasmin T, Bagchi D, Sen CK. Regulation of vascular responses to inflammation: inducible matrix metalloproteinase-3 expression in human microvascular endothelial cells is sensitive to antiinflammatory *Boswellia*. *Antioxid Redox Signal.* 2006 Mar-Apr;8(3-4):653-60.
5. Buttar NS, Wang KK. The "aspirin" of the new millennium: cyclooxygenase-2 inhibitors. *Mayo Clin Proc.* 2000 Oct;75(10):1027-38.
6. Martinez J, Moreno JJ. Effect of resveratrol, a natural polyphenolic compound, on reactive oxygen species and prostaglandin production. *Biochem Pharmacol.* 2000 Apr 1;59(7):865-70.
7. Surh YJ, Chun KS, et al. Molecular mechanisms underlying chemopreventive activities of anti-inflammatory phytochemicals: down-regulation of COX-2 and iNOS through suppression of NF-kappa B activation. *Mutat Res.* 2001 Sep 1;480-481:243-68.