

UltraInflamX[®] Medical Foods

Science-based formulas for the management of inflammation and pain associated with inflammatory bowel disease (IBD).

An All-Natural Approach to Reduce Inflammation a

UltraInflamX® Plus 360° for Multi-Mechanistic Support

Enhanced with kinase modulators for patients with local and extra-intestinal inflammation and pain

UltraInflamX® for Managing Intestinal Inflammation

Original formula for localized inflammation and pain in the intestinal tract

The goal of managing IBD through nutrition is to control the underlying pathology and avoid prolonged exposure to steroidal medications. But most diets don't supply the necessary macro- and micronutrients to effectively manage IBD. That's why we developed the UltraInflamX Medical Foods.

The need for a safer, natural approach to manage IBD

Patients with IBD (e.g., Crohn's disease, ulcerative colitis) often experience symptoms related to gastrointestinal inflammation that affect their quality of life, such as abdominal pain, constipation, diarrhea, loss of appetite, and vomiting. IBD is also frequently associated with extra-intestinal inflammation and immune dysregulation. To complicate matters, conventional treatments such as corticosteroids and other immunosuppressants may carry potential adverse effects, such as increased risk to infection or elevated blood pressure or glucose. Clearly, there is a need for a safer, all-natural way to help manage IBD without the risk of adverse effects that can contribute to pathology.

Nutritional support to address the underlying pathologies

Now you can offer a safer approach without the risk of serious adverse effects, with all-natural UltraInflamX Plus 360° and UltraInflamX medical foods and an anti-inflammatory food plan. Delivered in an easy-to-digest powdered mix, these specialized medical foods are formulated with a base of low-allergenic-potential rice protein and easily assimilable fats to help reduce overall metabolic and immune imbalances. Fortified

with targeted phytonutrients such as turmeric and ginger, these unique formulas inhibit the activities of a wide range of enzymes, cytokines, eicosanoids, and reactive species implicated in pain and inflammation. Enhanced with L-glutamine (an energy source for intestinal cells), UltraInflamX Plus 360° and UltraInflamX may also address altered intestinal barrier function often seen in IBD patients.

UltraInflamX Plus 360°—enhanced relief for pain and inflammation

UltraInflamX Plus 360° is the next generation in the UltraInflamX product line, featuring selective kinase response modulators (SKRMs) in the form of reduced iso-alpha acids (RIAA) from hops. SKRMs have been shown to positively impact the function of kinases involved in inflammatory processes in favor of good health.

nd Pain

Results of In Vitro and Case Studies

Case Study*: Ulcerative Colitis

A 52-year-old Caucasian female presented with a diagnosis of ulcerative colitis. Her main complaints were 3 to 4 liquid or ill-formed bowel movements per day, which included explosive-type gas and occasional blood. The patient's sedimentation rate[†] was assessed initially and again at 4 weeks. Her MSQ^{††} score was assessed initially, again at 4 weeks, and once more at 12 weeks.

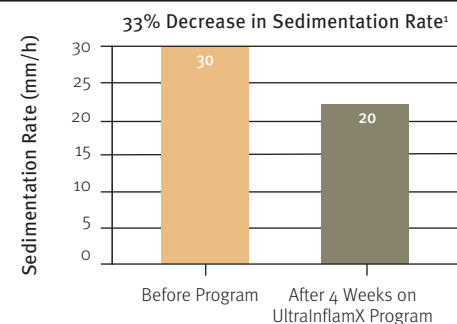


Figure 1

After just 4 weeks on the UltraInflamX Program, the patient's sedimentation rate[†] decreased from 30 to 20 mm/h (reference range is 0-30). This result suggests a decrease in overall inflammation.

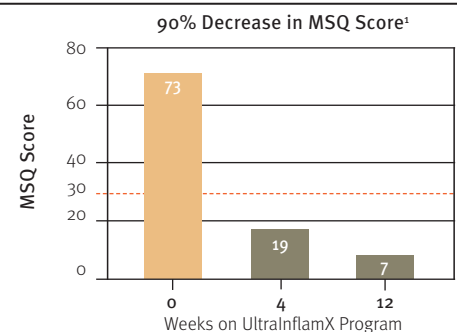


Figure 2

The patient had a substantial decrease in her MSQ^{††} score after 12 weeks on the UltraInflamX Program. (A score of <30 is associated with few or low-intensity symptoms.)

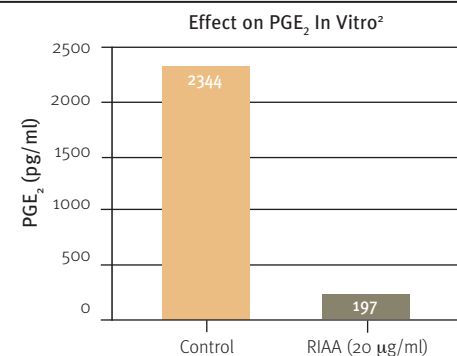


Figure 3

Reduced iso-alpha acids (RIAA)—a key ingredient in UltraInflamX Plus 360°—shown to modulate lipopolysaccharide (LPS)-induced PGE₂ activity.

UltraInflamX Plus 360° is a multi-mechanistic medical food for patients experiencing local and extra-intestinal inflammation and pain associated with IBD. It's the next generation in the UltraInflamX line of products enhanced with SKRMs in the form of RIAA. SKRMs have been shown to beneficially influence the function of kinases involved in inflammatory processes.

Original **UltraInflamX** medical food is an alternative to UltraInflamX Plus 360° for patients with localized intestinal inflammation associated with IBD.



To order, contact your Metagenics Representative or call:

800 638 2848 East Coast

800 523 5294 Chicago

800 692 9400 All Other Areas

www.metagenics.com

1. Case Study: UltraInflamX® Medical Food for Treatment of a Patient with Ulcerative Colitis. Metagenics, Inc; 003UC703

2. Desai A, Hall A, Konda V, Tripp M. MP2006-241 and MP2006-242: Anti-inflammatory properties of Metao51 and Metao61 in LPS activated RAW 264.7 cell model. *Proprietary Clinical Research Report*. Gig Harbor, WA: Functional Medicine Research Center;2004.

* The information provided in this Case Study describes the results of one patient under the care of a licensed healthcare practitioner and may not be a typical response.

† A blood test that detects and monitors inflammation in the body. It measures the rate at which red blood cells (RBCs) in a test tube separate from blood serum over time, becoming sediment in the bottom of the test tube. The sedimentation rate increases with more inflammation.

†† The Medical Symptoms Questionnaire® (MSQ) is a clinical tool for the evaluation of general physical symptoms. Total scores above 75 are generally associated with substantial symptomatology and disability; scores below 30 generally indicate few or low-intensity symptoms.

Recommend UltraInflamX Plus 360° and UltraInflamX Medical Foods for IBD

Multi-Mechanistic Patient Support	Management of Inflammation in the GI Tract
<p>UltraInflamX Plus 360°</p> <p>Serving Size: 2 Scoops (52 g)</p> <p>Nutrition Information per Serving (Original Spice): Calories 200, Fat 6 g (Saturated Fat[†] 2.5 g, Trans Fat 0 g), Cholesterol 0 mg, Sodium 40 mg, Potassium 450 mg, Carbohydrate 25 g (Dietary Fiber 4 g, Sugars 9 g), Protein 15 g. Vitamin A (as retinyl palmitate) 2500 IU, Vitamin A (as beta-carotene) 2500 IU, Vitamin C (as ascorbic acid) 180 mg, Calcium (as calcium citrate) 300 mg, Iron 2 mg, Vitamin D (as cholecalciferol) 45 IU, Vitamin E (as d-alpha tocopheryl acetate) 100 IU, Thiamin (as thiamin HCl) 2 mg, Riboflavin 2 mg, Niacin (as niacinamide and niacin) 35 mg, Vitamin B₆ (as pyridoxine HCl) 5 mg, Folic Acid 80 mcg, Vitamin B₁₂ (as cyanocobalamin) 3 mcg, Biotin 150 mcg, Pantothenic Acid (as D-calcium pantothenate) 5 mg 50, Phosphorous (as dipotassium phosphate and dicalcium phosphate) 400 mg, Magnesium (as magnesium citrate, sulfate) 330 mg, Zinc (as zinc gluconate) 13 mg, Copper (as copper gluconate) 1 mg, Manganese 3 mg, Chromium (as ChromeMate[®] GTF^{††}) 60 mcg, L-Glutamine 750 mg, L-Threonine 34 mg, L-Lysine (as L-lysine HCl) 770 mg, Turmeric Rhizome Extract (<i>Curcuma longa</i>) [standardized to 95% (200 mg) curcuminoids] 210 mg, Rosemary Leaf Extract (<i>Rosmarinus officinalis</i>) 100 mg, D-Limonene 100 mg, Ginger Root Extract (<i>Zingiber officinale</i>) [standardized to 5% (5 mg) total pungent compounds] 100 mg, Sulfate (as magnesium sulfate) 50 mg.</p> <p>Other Ingredients: Rice protein concentrate, rice bran, rice syrup solids, fructose, medium chain triglycerides, olive oil, natural flavors, silica, magnesium salts of reduced iso-alpha acids (from hops extract, <i>Humulus lupulus L.</i>), hydrogenated soybean oil encapsulate, xanthan, carrageenan, and cellulose gum.</p> <p>Directions: Blend (for no longer than 15 seconds), shake, or briskly stir two level scoops into eight ounces of chilled water, juice, or acceptable fruit as listed in the dietary guidelines (Quick Start Guide). Follow recommended dosage guidelines (UltraInflamX Quick Start Guide/Patient Guide). Consume within 10 minutes of reconstitution.</p> <p>Form: 25.7 (728 g) Powder Container (14 servings)</p> <p>[†] Saturated fat contributed by the beneficial fat medium chain triglycerides, which have recognized health benefits. ^{††} ChromeMate[®] GTF is a registered trademark of InterHealth, Inc.</p>	<p>UltraInflamX</p> <p>Serving Size: 2 Scoops (52 g)</p> <p>Nutrition Information per Serving (Original Spice): Calories 200, Fat 6 g (Saturated Fat[†] 2.5 g, Trans Fat 0 g), Cholesterol 0 mg, Sodium 100 mg, Potassium 430 mg, Carbohydrate 25 g (Dietary Fiber 4 g, Sugars 9 g), Protein 15 g. Vitamin A (as retinyl palmitate) 2500 IU, Vitamin A (as beta-carotene) 2500 IU, Vitamin C (as ascorbic acid) 180 mg, 300 Calcium (as calcium citrate) 300 mg, Iron 1.4 mg, Vitamin D (as cholecalciferol) 45 IU, Vitamin E (as d-alpha tocopheryl acetate) 100 IU, Thiamin (as thiamin HCl) 2 mg, Riboflavin 2 mg, Niacin (as niacinamide and niacin) 35 mg, Vitamin B₆ (as pyridoxine HCl) 5 mg, Folic Acid 80 mcg, Vitamin B₁₂ (as cyanocobalamin) 3 mcg, Biotin 150 mcg, Pantothenic Acid (as D-calcium pantothenate) 5 mg, Phosphorous (as dipotassium phosphate and dicalcium phosphate) 430 mg, Magnesium (as magnesium citrate, sulfate) 280 mg, Zinc (as zinc gluconate) 13 mg, Copper (as copper gluconate) 1 mg, Manganese 3 mg, Chromium (as ChromeMate[®] GTF^{††}) 60 mcg, L-Glutamine 750 mg, L-Threonine 34 mg, L-Lysine 770 mg, Turmeric Rhizome Extract (<i>Curcuma longa</i>) [standardized to 95% (300 mg) curcuminoids] 316 mg, Rosemary Leaf Extract (<i>Rosmarinus officinalis</i>) 200 mg, D-Limonene 100 mg, Ginger Root Extract (<i>Zingiber officinale</i>) [standardized to 5% (5 mg) total pungent compounds] 100 mg, Sulfate (as magnesium sulfate) 50 mg.</p> <p>Other Ingredients: Rice protein concentrate, rice bran, rice syrup solids, fructose, medium chain triglycerides, olive oil, natural flavors, silica, xanthan, carrageenan, and cellulose gum.</p> <p>Directions: Blend, shake, or briskly stir two level scoops into eight ounces of chilled water, juice, or acceptable fruit as listed in the dietary guidelines (Quick Start Guide). Follow recommended dosage guidelines (UltraInflamX Quick Start Guide/Patient Guide).</p> <p>Form: 25.7 (728 g) Powder Container (14 servings)</p> <p>[†] Saturated fat contributed by the beneficial fat medium chain triglycerides, which have recognized health benefits. ^{††} ChromeMate[®] GTF is a registered trademark of InterHealth, Inc.</p>

Note: UltraInflamX and UltraInflamX Plus 360° are not recommended for pregnant or nursing women. UltraInflamX Plus 360° is not recommended for individuals taking anticoagulant medications.



Metagenics is committed to using only environmentally-friendly papers and inks.

