

What's Up Doc?

This month we start with **Food Research's Inflamm-Enzymes** this truly is a unique product only available through Doctors Research and includes some interesting ingredients.

Many Patients suffer from inflammation in the discs of their back, their muscles, and various joints in the body. Inflammation not only induces pain but also frequently leads to soft tissue damage. Inflamm-Enzymes uses a combination of vitamins, minerals and enzymes all from food to create a 100% whole food supplement with no isolates or synthetics.

Inflamm-Enzymes

The tablets in Inflamm-Enzymes™ are enterically coated as the product's effectiveness can be reduced by stomach acids if left unprotected. Enteric coatings are selectively insoluble substances, they do not dissolve in the acidic environment of the stomach but will dissolve in the higher pH (above pH 5.5) of the small intestine.

Ingredients

Serrapeptase,

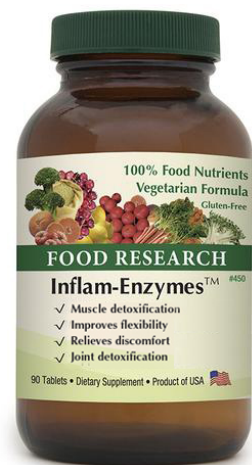
also known as serrapeptidase, is produced naturally within the digestive tract of silkworms. It's a proteolytic enzyme, which means it breaks down nonliving protein tissue into amino acids. Silkworms use this enzyme to break down their cocoons at birth. Serrapeptase is an enzyme with multiple health benefits, in particular reducing pain and inflammation, promoting respiratory health, and is an aid in wound healing. Because serrapeptase's main function is to break down proteins, it is useful for decreasing inflammation and clearing mucus in numerous ways. Clinical studies done in the 1960s began to show its effect in reducing inflammation. Recent studies have shown that it is particularly effective for post-traumatic swelling. Serrapeptase has been used successfully and routinely in Asia and Europe for over 30 years often as a replacement for Ibuprofen.

Serrapeptase is a "super enzyme" and has been used in general surgery, orthopedics, dentistry, and gynecology. It is used because of its analgesic and anti-inflammatory properties. In addition, other potential health benefits include:

Pain Relief: Serrapeptase has the ability to reduce pain. For example, a double-blind, placebo-controlled study showed that subjects who had taken it reported a significant reduction in pain compared with placebo.

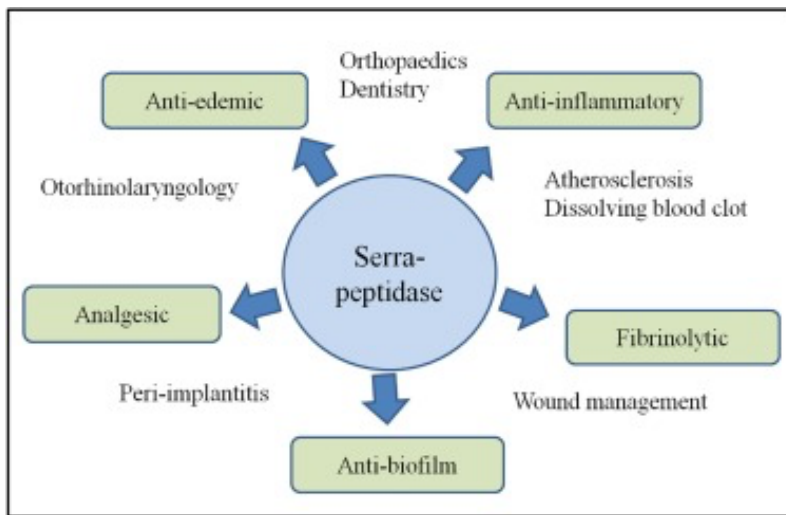
A similar study showed dental patients had less swelling in the cheek and reported minimal pain after surgery when compared to the control group.

Infection Prevention: Over 80% of bacterial infections are caused by biofilms, serrapeptase has been found to breakdown biofilms. Serrapeptase is included in Food Research's Biofilm Detox. Biofilms are used by bacteria as a shield against the antibodies in our immune system,



likewise biofilms protect bacteria from prescription anti-biotics negating their effectiveness . Serrapeptase limits the ability of biofilms to form and helps to break biofilms down. Studies have shown that, when used together with antibiotics, serrapeptase can be very effective, especially against antibiotic-resistant bacteria.

Reducing Inflammation: Numerous studies have shown that serrapeptase has qualities that make it an effective anti-inflammatory agent.



Blood Clot Thinner: Serrapeptase will help to break down atherosclerosis, the plaque that builds up inside arteries. Recent studies have successfully used Serrapeptase alongside Nattokinase in the treatment of blood clots, specifically in relation to dissolving fibrin, a common artery-blocking compound.

Chronic Respiratory Diseases: While chronic respiratory diseases (CRDs) do not have a known cure, there are ways to alleviate the pain and complications of CRDs and improve the quality of life. Due

to the ability of serrapeptase to break down mucus, doctors have used it to assist patients with CRDs alleviating pain and complications associated with CRDs and thus improving quality of life.

Serrapeptase use leads to significantly fewer bouts of coughing.

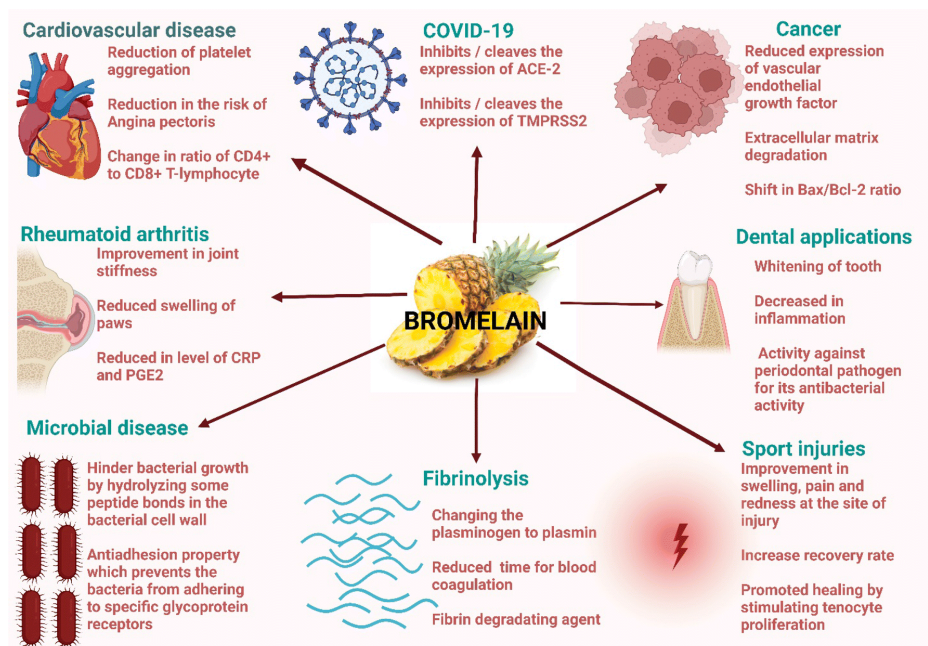
Bromelain

is a proteolytic enzyme derived from pineapple, particularly from the stem and fruit. It has garnered attention in naturopathic medicine for its various health benefits. Here are some key points to discuss with naturopathic doctors regarding the advantages of bromelain supplementation:

Anti-Inflammatory Effects: Bromelain has been shown to reduce inflammation and swelling, making it beneficial for conditions like arthritis, sinusitis, and post-surgical recovery.

Digestive Support: As a protease, bromelain aids in the digestion of proteins. It can help alleviate digestive disorders and improve gut health by enhancing nutrient absorption. **Pain Relief:** Research indicates that bromelain may help alleviate pain associated with injuries, surgeries, and chronic conditions by reducing inflammation and promoting healing.

Immune System Support: Bromelain may enhance immune function by modulating immune responses, possibly helping to reduce the severity of allergies and respiratory conditions.



Cardiovascular Health: Studies show that bromelain may improve circulation and reduce blood clotting, potentially lowering the risk of cardiovascular diseases.

Wound Healing: Its anti-inflammatory and proteolytic properties can promote faster healing of wounds and bruises, making it useful in post-operative care.

Potential Anticancer Properties: Preliminary research indicates that bromelain might have anticancer effects, inhibiting tumor growth and metastasis in some studies.

Bromelain offers a multifaceted approach to health, addressing inflammation, digestion, and overall wellness.

Papain

is an enzyme derived from the papaya fruit, known for its proteolytic properties, meaning it helps break down proteins. Here are some key benefits of papain.

Digestive Support: Papain aids in the digestion of proteins, making it beneficial for individuals with digestive issues such as bloating, gas, and indigestion.

Anti-Inflammatory Effects: Like bromelain, papain exhibits anti-inflammatory properties, which can help reduce inflammation in conditions like arthritis and other inflammatory disorders.

Wound Healing: Papain may assist in the healing of wounds and burns by promoting tissue repair and reducing inflammation, making it useful in topical applications as well.

Immune System Modulation: By supporting digestion and reducing inflammation, papain can contribute to overall immune health, potentially helping to alleviate allergies and respiratory issues.

Pain Relief: Its anti-inflammatory effects can contribute to pain relief, especially in conditions related to muscle soreness or joint pain.

Nutrient Absorption: By enhancing protein digestion, papain may improve nutrient absorption, ensuring the body receives essential amino acids and other nutrients.

Potential Antimicrobial Properties: Studies suggest that papain possesses antimicrobial effects, which assist in reducing the risk of infections.

Papain reduces inflammation, enhance digestive health, and support overall wellness.



Wildcrafted Astragalus Root (Astragalus membranous)

is a well-regarded herb in traditional medicine, particularly in Chinese herbalism. Here are some key benefits

Adaptogenic Properties: As an adaptogen, astragalus helps the body adapt to stress and maintain balance. It can support overall resilience and energy levels, especially in times of physical or emotional stress.

Anti-Inflammatory Effects: Astragalus exhibits anti-inflammatory properties, which can be helpful in managing chronic inflammatory conditions and reducing the risk of inflammatory diseases.

Cardiovascular Health: Studies show that astragalus improves heart function and promotes healthy blood pressure levels, contributing to overall cardiovascular health.

Antioxidant Activity: The herb contains antioxidants that help combat oxidative stress, protecting cells from damage and supporting overall health.

Support for Kidney Health: Astragalus has been traditionally used to support kidney function and may help protect against kidney damage and disease.



Immune System Support: Astragalus is known for its immune-modulating properties, helping to enhance the body's defenses against infections and illnesses, making it beneficial for patients with weakened immune systems.

Potential Antiviral Properties: Preliminary research indicates that astragalus may have antiviral effects, potentially aiding in the prevention and management of viral infections

wildcrafted astragalus root offers a range of health benefits, particularly in enhancing immune function and supporting overall wellness.

Manganese.

Manganese is essential to the synthesis of connective tissue and is involved in the health and maintenance of ligaments and tendons. It is also an essential trace mineral that plays a crucial role in various physiological processes. Here are some key benefits

Antioxidant Properties: Manganese is a cofactor for the enzyme superoxide dismutase (SOD), which helps protect cells from oxidative stress and damage caused by free radicals.

Bone Health: This mineral is important for bone formation and maintenance. Manganese supports the synthesis of bone matrix and may help prevent osteoporosis.

Metabolism Support: Manganese is involved in carbohydrate, protein, and fat metabolism, aiding in energy production and the synthesis of essential nutrients.

Wound Healing: The mineral plays a role in collagen formation, which is vital for skin health and wound healing. It may help speed up recovery from injuries.

Cognitive Function: Manganese is important for brain health, contributing to neurotransmitter function and potentially supporting cognitive performance.

Anti-Inflammatory Effects: Manganese may help reduce inflammation in the body, which can be beneficial for managing chronic inflammatory conditions.

Blood Sugar Regulation: Some studies suggest that manganese may help improve insulin sensitivity and regulate blood sugar levels, which can be beneficial for individuals with metabolic disorders.

Safety and Tolerance: Over-supplementing with synthetic manganese can lead to several health concerns due to its potential toxicity.

These include, neurotoxicity high levels of manganese can accumulate in the brain, potentially leading to neurological disorders similar to Parkinson's disease. Respiratory issues, gastrointestinal distress, cardiovascular risks.

While manganese is essential for health, it's important to consume manganese from food and not a synthetic version. No issues have ever been found with manganese from food. Doctors Research uses a 100% food manganese.



Dose and Usage

Consider Inflamm-Enzymes for pain or inflammation from any source or in any form.

Chiropractors report it is excellent for relieving pains in their hands from repetitive adjusting. It is an essential for active individuals or those with arthritis. Consider as a replacement for NSAIDs, in clinical trials Serrapeptase has outperformed NSAIDs for pain management.

I recently used Inflam-Enzymes after surgery and did not need prescription painkillers or anti-inflammatories.

Additional benefits include improved mobility and flexibility and no side effects.

Dose at 3 – 6 Per Day. I started for 3 days on 10 per day and reduced to 6 per day on day 4

Advanced Joint Complex

Advanced Joint Complex is an excellent and often necessary adjunct to Inflam-Enzymes apart from being 100% food unlike most whole food claimed supplements, it stands apart from all Professional or over the counter joint products with this one vital ingredient

Advanced Joint Complex™ contains concentrated bovine tracheal cartilage, which is naturally high in collagen, proteoglycans, chondrocytes (including, but not limited to, chondroitin sulfates), glucosamine, and other factors which each have specific functions for joints and other connective tissue.

Take glucosamine sulfate as an example. In most products, glucosamine sulfate is extracted from marine exoskeletons (shellfish) and is so over refined that other natural factors that can be helpful for joints are missing. The same is true for refined chondroitin sulfate, which can come from pork, sharks, or even whales. However, Advanced Joint Complex contains concentrated bovine tracheal cartilage, which is naturally high in collagen, proteoglycans, chondrocytes (including, but not limited to, chondroitin sulfates), glucosamine, and other factors which each have specific functions for joints and other connective tissue. “The collagen fibers are arranged in arches so that near the surface they are horizontal in orientation—this allows the cartilage to resist tensile stresses and transmit vertical loads. The proteoglycans give hyaline cartilage its turgor and elasticity and play an important role in limiting friction. The chondrocytes synthesize the matrix as well as enzymatically digest it...Matrix turnover is carefully controlled as chondrocytes secrete the degradative enzymes in an inactive form and enrich the matrix with enzyme inhibitors.

Diseases that destroy articular cartilage do so by activating catabolic enzymes and decreasing the production of inhibitors, thereby accelerating the matrix breakdown. The chondrocytes react by increasing matrix production”. Chondroitin sulfates (CS) are glycosaminoglycans which participate in the matrix structure of cartilage. They are well absorbed after oral intake...Several clinical studies have demonstrated the chondroprotective efficacy of CS in osteoarthritis involving the hip, knee and finger joints”; an animal study found that CS-C significantly inhibited “edema, synovitis and destruction of articular cartilage”. Unlike Advanced Joint Complex, typical extracted glucosamine sulfate and chondroitin sulfate formulas are simply too incomplete to work as well as nature intended.

Vitamin C helps neutralize free radicals to stop their damage and helps build connective tissues such as collagen]. Most other products contain ascorbic acid which is the USP synthesized so-called vitamin C. USP ascorbic acid is made by fermenting corn sugar into sorbitol, then hydrogenating it until it turns into sorbose, then acetone (commonly referred to as nail polish remover) is added to break the molecular bonds which creates ascorbic acid! All the vitamin C in Advanced Joint Complex is from Acerola (it is not a mixture of ascorbic acid with some Acerola thrown in as some do). Acerola is a cherry-like berry that is one of the most naturally concentrated vitamin C Foods known to exist—various cherries have been



recommended to help people with arthritis. Vitamin C in Foods such as Acerola exists in at least two forms unlike USP ascorbic acid which does not contain both forms! Acerola is also less acidic than USP ascorbic acid (some feel that increased acidity tends to hurt, rather than help joints).

Vitamin D has been found to be more effective than at least one USP form for rickets.

Food calcium is 7 times as effective in raising serum ionic calcium levels than the .

Food magnesium is better absorbed and retained than magnesium salts. Clinically, magnesium is often used for muscle tightness.

Food zinc contains items that have better absorption than the zinc salts.

Food phosphorus works with calcium in the body.

Food potassium is an important electrolyte.

Alfalfa is a Food which is rich in trace minerals].

Aloe vera increases collagen content...acts as a modulatory system toward wounds with anti-inflammatory effects...exerts anti-inflammatory activity through its inhibitory action on the arachidonic pathway via cyclooxygenase...Aloe vera contains a carboxypeptidase that inactivates bradykinin, salicylates, and a substance that inhibits thromboxane formation”.

Bioflavonoids are helpful to strengthen capillary walls; not only can stronger capillary walls reduce bruising, but they also improve circulation (and nutrition) to all parts of the body including joints.

Borage seeds contains gamma-linoleic acid and linoleic acid. Borage is used for “rheumatism of the joints; as a pain reliever”.

Food boron is an essential mineral; part of its benefit is to the inhibition of certain enzymes (proper enzyme inhibition is believed to be helpful for those suffering from forms of arthritis.

Burdock root is a Food traditional used by those with gout and rheumatism.

Cayenne Pepper contains capsaicin which has been shown to assist with pain modulation—

“Long term desensitization of the fibers occurs after repeated exposure to capsaicin, and results in a subsequent loss of pain sensation...Capsicum binds to the C-type vanilloid receptor (VRI) and opens a cationic channel allowing the influx of calcium...Cayenne is used for painful muscle spasms in the areas of shoulder, arm and spine. In folk medicine the herb is used for frostbite, chronic lumbago... Cayenne is used for gout, arthritis, sciatica”.



Chondroitin is a biological polymer that acts as the flexible connecting matrix between the protein ligaments in cartilage...Chondroitin helps attract essential fluid into the proteoglycan molecules, “water magnet”, which not only acts as a shock absorber but “sweeps” nutrients into the cartilage as well.

Glucosamine, another of the beneficial substances in this area, stimulates chondrocyte activity. It is also the critical building block of proteoglycans and other matrix components. Both chondroitin and glucosamine play vital roles in joint maintenance”; there have been purification, absorption, and other problems in found in some

chondroitin formulas which are not Food.

Devil’s Claw is primarily used for rheumatism; a double-blind study found it to “lessen the pain of osteoarthritis”. “The major chemical component, which is thought to be responsible for the anti-inflammatory activity of devil’s claw, is harpagoside, a monoterpenic glucoside”.

Grape Seed Extract The grape seed extract used in Advanced Joint Complex is a minimum of 92% proanthocyanidins. Proanthocyanidins are a type of bioflavonoids which studies have found to significantly decrease “Pain, limb heaviness, and feeling of swelling”. Additionally,

proanthocyanidins have been found to increase the resistance of connective fibers to degradation and “Proanthocyanidins extracted from Grape Seed stabilizes capillary walls and prevents increases in permeability which causes edema”.

Silicon in Advanced Joint Complex comes from the herb horsetail (which has long been used for gout and rheumatism; “to keep on regenerating cartilage your body needs one basic element: silicon...However the older you get the more difficult it becomes for your body to assimilate silicon...To remedy the situation, plant therapists prescribe horsetail”.

Superoxide dismutase (S.O.D). protects intracellular components from oxidative damage” “superoxide has been successfully used to treat human inflammatory diseases”. S.O.D. has been shown to inhibit articular tissue damage associated with osteoarthritis. Ingestion of an isolated form of S.O.D. is not as effective as Food S.O.D

Whole yucca is helpful for people who complain that arthritic pains increase with weather changes. “One report found that the oral administration of a yucca saponin extract for up to 15 months was well-tolerated for the treatment of various arthritic conditions”.

Advanced Joint Complex is a Food and contains many Foods, each of which plays a unique role in joint and connective tissue health (including knees). No other isolated joint product truly compares with it.

This is adapted from an article written by Dr Thiel.

<https://doctorsresearch.com/fr-products/4207/advanced-joint-complex-for-optimal-joint-health/>

Dose and usage

Consider for knees, hips, fingers, and back, in fact any or all joints and connective tissue. Essential for arthritis and rheumatism. Excellent support for athletes.

Dose at 1 to 3 for daily support and prevention.

Use 6 or more in acute situations.

Combine with Inflam-Enzymes and Omega 3 EPA/DHA.

What Else?

Vitamin B6, B12 & Folate.

This is a good time to remind everyone of this product, as Standard Process has finally introduced its Whole Food Folate product. I have discussed in previous newsletters the benefits of Folate over Folic acid and concerns with using Folic acid the synthetic alternative.

Doctors Research Vitamin B6,B12 & Folate is a natural, vegetarian, and food complex source of essential vitamins. This unique supplement provides vitamin B-6, vitamin B-12, and folate in their most bioavailable forms. Various forms of anemia often have a nutritional component, and fatigue is a common symptom. Vitamin B-6 exists in different forms, including the form of "5'0-(beta-D-glucopyranosyl)

pyridoxine" found only in plant foods like yeast and rice bran. Vitamin B-6 plays a crucial role in treating disorders such as Down's syndrome, autism, and gestational diabetes. Folate, also known as vitamin B-9, is essential for overall health. Folate is especially important during early pregnancy, because it helps the neural tube develop which becomes the brain and spine. The general recommendation is to start one month prior to and during the first 3 months of pregnancy. A recommended dose is 600-800 mcg per day – that is ONE Vitamin B6,B12& Folate per day .



Folate is found naturally in foods like yeast and broccoli and plays a vital role in reducing homocysteine levels. Vitamin B-12, found in its active forms methyl cobalamin and deoxyadenosyl cobalamin, is crucial for preventing anemia and maintaining healthy nerves. Deficiencies in these vitamins can lead to various health issues, including cognitive impairment and cardiovascular diseases. Additionally, 100% Food Vitamin B-6, B-12, & Folate naturally contains Superoxide Dismutase (S.O.D.), a powerful antioxidant enzyme that protects the body from oxidative damage. In addition to vitamins B-1, B-2, B-3, B-5, choline, and inositol.

So which one to pick? Well apart from being considerably less money than the Standard Process product **Vitamin B6, B9 & Folate** retails at \$33 against \$50+ for the SP product.

Warning: This product contains naturally occurring Vitamin K1. If you are taking blood-thinning medicines, are pregnant, or nursing, please consult with your health care professional before taking this product. Keep out of reach of children.

Supplement Facts

Serving Size: 6 Tablets
Servings per Container: 45

	Amount per Serving	%Daily Value
Calories	25	
Total Carbohydrate	3 g	1%*
Protein	<1 g	
Vitamin K1	15 mcg	13%
Folate	80 mcg DFE	20%
Vitamin B12	2.4 mcg	100%
Proprietary Blend	6.1 g	†
Golden chlorella, organic collard greens (aerial parts), and organic turnip greens.		

*Percent Daily Values are based on a 2,000 calorie diet.

†Daily Value not established.

Other Ingredients: Honey.

01

SP Whole Food Folate Label

The SP product has a serving size of 6 tablets and contains 1/10 of the Folate and B12 of our product.

Yes, you did the math right you need 60 SP tablets to get the 800mcg of Folate in one Vitamin B6,B12 & Folate Capsule. I repeat 60 tablets!!!

Unless your pregnant patient has a rather unusual craving for consuming vast quantities of supplements, I can't see many of them paying the extra cost.

SP, Standard Process, Whole Food Folate, are trademarks of Standard Process Inc.

Dose and Usage.

One per day will give the recommended supplemental dose of 600 – 800 mcg per day. Essential before and during early pregnancy.

Also consider for

Anemia with Hematic formula.

Mood and Cognitive function, B6, B9, and B12 play essential roles in neurotransmitter synthesis (like serotonin and dopamine) and reduces the risk of cognitive decline.

Fatigue and Energy Support, these B vitamins are involved in energy production and may help reduce fatigue, especially in individuals with low energy levels or those recovering from illness.

Homocysteine Regulation and Heart health: These B vitamins help lower homocysteine levels, an amino acid linked to an increased risk of heart disease. Supplementing supports cardiovascular health.

MTHFR Mutations Individuals with MTHFR mutations have difficulty metabolizing folate. Supplementing with bioactive forms of B9 (like 5-methyltetrahydrofolate) along with B6 and B12 helps ensure adequate levels of these essential nutrients



Max B-ND This is an interesting product from PRL in addition to being a liquid, Max B-ND contains 13 essential activated forms of B Vitamins including 2 active forms of B12 and Folinic acid, also known as 5-formyltetrahydrofolate or 5-Formyltetrahydrofolate Calcium.



So, what is Folinic acid? Folinic acid (5-formyltetrahydrofolate) is an active form of folate that does not require the action of dihydrofolate reductase (DHFR) for conversion in the body. This makes it immediately available for biological functions. Patients with malabsorption issues (e.g., gastrointestinal disorders) may struggle to convert dietary folate into its active forms. In such cases, folinic acid bypasses this conversion, ensuring adequate folate levels. Secondly there are benefits for individuals with genetic variations such as the MTHFR mutations. MTHFR (methylenetetrahydrofolate reductase) gene mutations reduce the ability to convert folate into its active forms. Folinic acid can provide the necessary folate without relying on this pathway. Folinic acid is a naturally occurring form of folate in the body, produced as an intermediary in the metabolism of folate and is found in small amounts in various foods. In

supplement form Folate is normally attached to a calcium salt to add stability. This form of folinic acid produced in the lab is bioidentical to the naturally occurring compound in the body. This means that its structure and function are the same, which allows it to provide the same health benefits without the complexities of absorption seen with some natural forms. AAs a liquid Max B-ND is absorbed through the mouth and throat mucous membranes meaning it is great for rapid and almost immediate absorption. The additional benefits of Folinic acid are its form which can be immediately utilized, this is advantageous for pregnant women who need quick and effective support, or those individuals with MTHFR mutations, as folinic acid can bypass the conversion issues associated with regular folate.

Dose and Usage.

Dose at ½ teaspoon twice per day up to 2 teaspoons. Consider for those with issues swallowing tablets or those with MTHFR mutations

Medi Clay FX.

Bentonite clay is a naturally occurring clay formed from volcanic ash. It's named after Fort Benton, Wyoming, where large deposits were first discovered. Montmorillonite clay, named after Montmorillon in France, is the same type of clay. It's composed primarily of montmorillonite, a phyllosilicate mineral. Calcium montmorillonite clay contains minerals including calcium, magnesium, silica, sodium, copper, iron, and potassium. Bentonite clay has a poly-cationic nature that allows it to absorb negatively charged toxins.

It acts like a magnet, attracting and binding harmful substances for safe removal from the body.

Calcium bentonite absorbs pesticides & herbicides and has a binding affinity to heavy metals like lead, cadmium, mercury, & excess copper, while reducing oxidative organ damage. Medi Clay FX binds to aflatoxins. Aflatoxins are poisonous and cancer-causing chemicals that are produced by certain molds which primarily affects liver. In 1989

Dvorak et al reported that bentonite is able to reduce water aflatoxin to 66% of its primary concentration which showed the adsorbing capacity of bentonite for aflatoxin. Medi Clay FX can improve symptoms of IBS, including constipation, diarrhea, and bloating by removing toxins. Medi Clay FX protects the integrity of the intestinal lining which could otherwise contribute to leaky gut. Likewise, by absorbing excess urea in the intestines Medi Clay FX supports kidney function.

Dose and Usage.

Take 1 or 2 tablets 3 times per day, 20 minutes before meals. For max absorption empty 1 or 2 tablets into 4oz of water. Leave for a minimum of 20 minutes to allow the clay to rehydrate. Soaking the clay helps with even distribution throughout the GI tract and lessens intestinal



swelling. Reseed with **Colicron** following use.
Consider for all cases of detoxing and cleansing particularly
Chemical Toxins.
Bacterial Toxins (such as clostridium including C-Diff).
Chemotherapy metabolites.
Antigens.
Pro-Inflammatory compounds.

Colicron

Direct from Europe Colicron™ has been clinically trialed as a treatment for Irritable Bowel Syndrome (IBS) the most commonly diagnosed gastrointestinal condition in the Western world.

This is only available to Practitioners and will not appear on Amazon or similar sites

The two trials below specifically used Colicron™

<https://pubmed.ncbi.nlm.nih.gov/38186311/>

<https://pubmed.ncbi.nlm.nih.gov/38240683/>

Colicron™ is a combination of 3 different species and 9 different strains of Probiotics each strain has been clinically researched. There are 5 Billion Colony Forming Units (CFU's) per strain giving a total of **45 Billion CFU's per capsule**.

Three key additional ingredients are included in the formula:-

Palmitoylethanolamide (PEA)

a cannabimimetic mediator, naturally present in our body, which offers analgesic and anti-inflammatory properties in addition to regulating intestinal transit.

Undaria (Wakami Edible Seaweed)

a brown seaweed as a source of fucoxanthin. Fucoxanthin is hydrolyzed in the gastrointestinal tract to form fucoxanthinol. Fucoxanthinol binds to the NAAA enzyme, reducing its activity and its ability to degrade PEA.

Hericium Erinaceus (Lion's Mane Mushroom)

An edible and medicinal fungus which in addition to its the ability to modulate the immune system, stem inflammation and repair the gut is a prebiotic.

Colicron is produced using a freeze dry process followed by a unique internal and external coating which is used to protect the probiotics. An external polysaccharide coating protects the probiotics from both heat and humidity changes in the environment. A second internal coating stops the Probiotics reactivating. During GI transit the Probiotics face harsh condition from acid pH, digestive enzymes, and bile salts, the internal coating protects the Probiotics and is slowly and gradually released during the GI transit. When the probiotics reach the gut, they reactivate themselves, proliferate, and adhere to the intestinal mucosa.

Priced to Practitioners at \$22.50 per box. Free shipping on 6 units. 1 or 2 units dropship for \$6.95 visit www.alivedalabs.com to purchase.

Visit <https://www.solelypractitioner.com/partners> for details of Colicron and Aliveda.

