

Biome DT



Biome DT

Biome DT utilises three distinct pathways to provide breakthrough purification, by activating detoxification, cleansing with fibre to eliminate toxins and balancing the microbiome. This purification drink has a patent-pending formula.

Biome DT;

- *Detoxifies, cleanses and balances the microbiome*
- *Lubricates the digestive tract to facilitate contaminant elimination*
- *Activates enzymes to target contaminants*
- *Aids healthy bacteria with pH balancing fermentable fibre*
- *Supports healing of the digestive lining with L-glutamine*

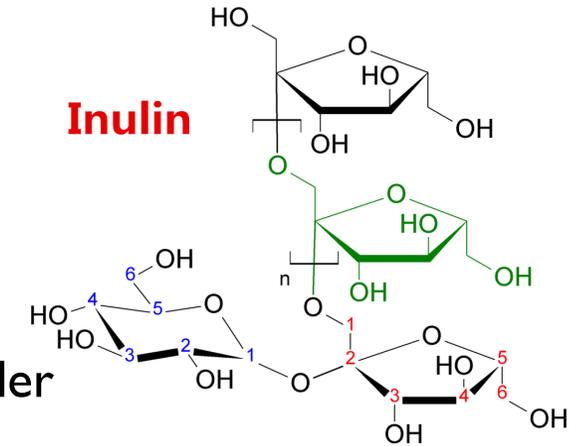


Ingredients

Zinc
Psyllium Husk
L-Glutamine
Inulin (Chicory Root Extract)
Apple Fruit Fiber
Flax Seed Powder
Broccoli Flowers
Apple Fruit Extract
Green Tea Leaf Extract
Cabbage Leaf



Carrot Root
Red Beet Root
Rosemary Leaf
Turmeric Rhizome Powder
Tomato Fruit Powder
Olive Leaf extract
Grape Seed extract



Using Biome DT



Packet

28 Sachets

Serving size:

Sachet

7 day Purify Programme:

4 sachets

Daily dose - Maintenance:

1-2 Sachets

Dose form:

Powder, to be mixed with water

Directions:

Mix sachets in approximately 135ml – 250ml of water (or to taste)
Mix well and drink straight away

Contraindications

None known

Length of Use:

As desired

Certifications:

NSF- GMP verifies Good Manufacturing Practices and product manufacturing safety

BIOME DT

Patent-Pending Formula

Detoxification

- Eliminates heavy metals and other toxins

Cleanse

- Cleans, lubricates and soothes the digestive lining
- Lubricates and supports the digestive system
- Supports healthy elimination

Microbiome Balance

- Inulin - Soluble fiber that feeds healthy microflora
- Glutamine - Gut lining repair

Second Meal Effect



Use twice a day – breakfast & afternoon snack

Biome DT – Biome Detox



This patented pending formula was developed at the Hughes Center.

The great thing about Biome DT is that it kick starts purification in three ways – detoxification, cleansing **and** microbiome balancing.

Detoxification

Activates enzymes and genes to eliminate heavy metals and other toxins at a cellular level. Both Broccoli and L-Glutamine detoxify and help reduce intestinal inflammation

Cleansing

Cleans, lubricates and soothes the digestive lining with soluble, insoluble, and fermentable fibers. It lubricates and supports the digestive system. And it supports healthy elimination through both urine and bowels.

Balancing

To help balance the Microbiome, it contains inulin, a soluble fiber that feeds healthy microflora as well as glutamine for gut lining repair. The ingredients balance gut pH to support the beneficial bacteria.



L-Glutamine

- L-Glutamine is an essential amino acid to help treat leaky gut and improve your overall health. The first wide spread use of this amino acid was in the fitness industry to help preserve muscle tissue.
- But as science began to study this amino acid, the following benefits were documented:
 - 1. Improves gastrointestinal health by helping the intestines rebuild and repair
 - 2. Helps heal ulcers and leaky gut
 - 3. Helps with memory, focus, and concentration as a neurotransmitter in the brain
 - 4. Improves IBS and diarrhoea by balancing mucus production
 - 5. Promotes muscle growth and decreases muscle wasting
 - 6. Improves athletic performance and recovery
 - 7. Improves metabolism and cellular detoxification
 - 8. Curbs cravings for sugar and alcohol
 - 9. Improves blood sugar levels

Source: <https://www.sciencedirect.com/science/article/pii/S014067369390939E>

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ARTICLES

Glutamine and the preservation of gut integrity

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Abstract

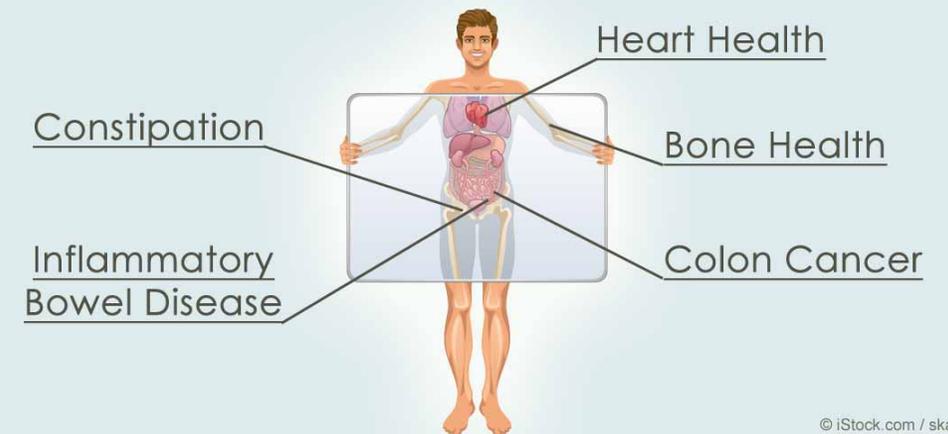
Parenteral glutamine dipeptide improves nitrogen balance in postoperative patients on total parenteral nutrition (TPN). Animal studies show that the structure and function of the gut is preserved by glutamine. It is not known if this is the case in human beings. 20 patients admitted to hospital for total parenteral nutrition were randomly allocated to receive parenteral nutrition enriched with glycyl-L-glutamine (Gln TPN), or standard parenteral nutrition (STPN). Mucosal biopsy specimens were taken from the second part of the duodenum before starting parenteral nutrition, and after two weeks. The ratio between the urine concentrations of lactulose and mannitol after enteral administration was used to measure intestinal permeability. After two weeks of parenteral nutrition in the GlnTPN group, intestinal permeability was unchanged, whereas permeability in the STPN group increased. Villus height was unaltered in the GlnTPN group but in the STPN group it decreased. The addition of glutamine to parenteral nutrition prevents deterioration of gut permeability and preserves mucosal structure.

Inulin

Inulin – is an excellent Prebiotic. In addition to nourishing the good bacteria it also assists with the digestion and absorption of your food. Chicory Root inulin is an ideal food additive when compared to inulin from other sources because it is a relatively long chain. This longer chain allows it to substitute for the long chains of hydrocarbons that make up fats. It is very attractive because it acts as a “stealth fibre;” having a smooth texture unlike the dry, flaky texture usually associated with most other fibre sources. Inulin plays a significant role in:

- Your immune system
- Improved heart health
- Bone health
- Reducing the potential for colon cancer
- Helping to protect against inflammatory bowel disease
- Aiding in the prevention of constipation

What Is Inulin Good For?



Source: <http://articles.mercola.com/sites/articles/archive/2016/03/07/inulin-health-benefits.aspx>

Psyllium Husk

Psyllium Husk is a soluble fibre commonly used as a bulk-forming laxative. Psyllium husk fibre is a form of soluble fibre derived from the seed husks of a plant called *Plantago ovata*, an herb commonly grown in India and other parts of Western and Southern Asia. The husk is ground into a glue-like, clear substance known as the mucilage which is packed with the soluble fibre and other benefiting components.

Around 85 percent of the psyllium husk is carbohydrates (mostly dietary fibre). The fibre content in psyllium is about 70% soluble fibre and 30% insoluble fibre. Psyllium is one of the richest fibre foods with the least amount of net carbs.

It can provide the following benefits:

- Relieves constipation
- Helps treat diarrhoea
- Helps control blood sugar
- May boost satiety
- Aid in weight loss
- Can help to lower bad (LDL) cholesterol, while raising good (HDL) cholesterol

Source: <https://authoritynutrition.com/psyllium-benefits/>



Zinc

- Zinc is a mineral (like magnesium) that is involved in over 300 different enzymatic pathways to help support optimal health. As it relates to your gut, zinc helps to maintain both the population and diversity of good bacteria. It plays a vital role in protein synthesis while helping to regulate cell production in your immune system.

ZINC DEFICIENCY SYMPTOMS

- Spots on Fingernails
- Low Energy
- Insomnia
- Infertility
- Loss of Taste or Smell
- Skin Rashes / Eczema
- Loss of Appetite
- Lowered Immunity
- Poor Memory
- Sinus Problems and Allergies
- Breast and Prostate Cancer
- Loss of Libido
- Frequent Colds or Flu
- Abnormal Hair Loss
- Slow Thinking Process

FUNCTIONS

- Decreases inflammation
- Suppresses abnormal tissue growth
- Boosts healthy Immune function
- Supports progesterone production, essential for balancing estrogen
- Reduces risk and development of any cancers including esophageal, bladder, breast, skin, prostate and head and neck cancers
- Supports the p53 Gene, which protects against breast and prostate cancer
- Inhibits angiogenesis
- Stimulates apoptosis

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12 Foods High In Zinc



Oysters



Chicken



Cheddar Cheese



Cashews



Watermelon Seed



Almonds



Milk



Red Meat



Yoghurt



Pumpkin Seed



Salmon



Cacao/Cocoa
Dark Choc

Source: <https://www.organicfacts.net/health-benefits/minerals/health-benefits-of-zinc.html>

Flax Seed Powder

This key ingredient significantly increases healthy gut bacteria while helping to reduce colonies of bad bacteria. In addition to helping you improve your digestion, this ingredient also provides the following benefits;

- Helps lower cholesterol
- Helps promote weight loss
- Reduces sugar cravings
- Helps reduce insulin resistance
- Helps balance hormones
- Supports colon detoxification

It is the richest plant-based source of alpha-linolenic acid (ALA) and lignans. ALA is an omega-3 fatty acid that helps reduce inflammation. Flax lignans stimulate your body's ability to produce lignans that help reduce the risk for breast, skin, and colon cancers.



Flax seed powder also contains a high concentration of mucilage gum, which is a gel-forming fibre that is water soluble and offers incredible benefits to your abdominal cavity. It helps keep food from emptying too quickly into the small intestine, which allows you to increase nutrient absorption. It's also a great source of natural magnesium, which is critical to your gut microbiome and the enzymatic pathways needed for healthy chemical reactions.

Source: <https://draxe.com/10-flax-seed-benefits-nutrition-facts/>