



▼ INGREDIENTS

SUPPLEMENT FACTS

Serving Size: 1 dropper

Prebiotic Blend:

Podoviridae, Siphoviridae and Myoviridae

Other Ingredients: Water, Prebiotic Blend, NaCl, MgSO₄, and DiPotassium Phosphate

▼ DOSAGE

- 1 dropper, or as directed.

▼ PACKAGING

- Liquid: 2 fl. oz., glass bottle, with dropper. (Spray top available upon request).

▼ PERSPECTIVE

Biophages have a long-established presence in supporting a healthy microbiome through their ability to inhabit and replicate inside of specific bacterial species. This product provides practitioners a safe and effective method of supporting the normal microbiome via Nature's self-limiting process of microbial balance, while completely avoiding collateral damage associated with other methodologies.

▼ LIFESTYLE



#375 Pseudo-Virome

The Biome formulas revolutionize the natural health approach to assisting the body manage normal microbial balance via prebiotic and probiotic influences. Utilizing the virome (phageome) component of the body's microbiome, this "phage" product focuses exclusively on helping the body manage *Pseudomonas aeruginosa*, a gram negative, rod-form bacterium. It is multi-drug resistant and opportunistic, often associated with inflammation, pneumonia, post-burn infections, ear infections, bladder infections post-catheterization, and septic shock. Its resilience and resistance to antibiotic drugs, make it a potential superbug as antibiotics drive it to mutate quickly via horizontal gene transfer. Because of this, phage therapy provides an exciting avenue of scientific promise.

According to researcher, Dr. Shayne Morris, most strains of *Pseudomonas aeruginosa* produce multiple endotoxins that arrest translation leading to shutdown of protein synthesis and cell death:

- Elastase acts on a variety of biologically important substrates, including elastin, human IgA and IgG, complement components, and some collagens.
- Exoenzyme S (ExoS) and a number of other proteins (ExoT, ExoY, ExoU) are transported directly into host cells by an injection (Type III) secretion system. Inside the cell, ExoS acts on regulatory G-proteins affecting the cytoskeleton, signaling pathways, and inducing apoptosis.

Pseudomonas aeruginosa produces infection at a wide range of pulmonary, urinary, and soft tissue sites, much like the opportunistic *Enterobacteriaceae*.

▼ INDICATIONS

- *Pseudomonas aeruginosa* normal immune/body relations

▼ KEY COMPONENTS

- **Myoviridae** – The family of long-tail Caudovirales bacteriophages. This component specifically and exclusively addresses certain prebiotic pathways for a normal intestinal microbiome.
- **Podoviridae** – The family of short, non-contractile-tail Caudovirales bacteriophages that prey specifically on certain species of bacteria.
- **Siphoviridae** – A bacteriophage. This component specifically and exclusively engages its life cycle within certain species of bacteria rendering probiotic support for a healthy intestinal microbiome.
- **Prebiotic Blend** – Peptones that support the viability of the phages in the microbiome.
- **NaCl** – Salt (Sodium Chloride). Supports the viability of the phages modeling their seawater aquatic environment.
- **MgSO₄** – Salt (Magnesium Sulfate). Supports the viability of the phages modeling their seawater aquatic environment.
- **DiPotassium Phosphate** – Salt (K₂HPO₄). Supports phage viability by modeling a component of their seawater aquatic environment.

▼ CONTRAINDICATIONS

None.

▼ CLINICIAN CONSENSUS

- **History of, or presence of, *Pseudomonas aeruginosa*:**
#375 Pseudo-Virome
#3 Bactrex - 2 caps with 2 meals per day
#488 VIVI - Virox - 1 cap with one meal per day

▼ BACKGROUND

Dr. Shayne Morris, a micro- and cellular biologist, introduced this patented formula into the Systemic Formulas biophage line in 2017 for clinicians seeking more options for supporting the body's normal, natural microbiome.

▼ SYNERGISTIC CONSIDERATIONS

- **#100** ABC - Acidophilus & Bifidus Complex
- **#138** MBC - Microbiome Colonizer
- **#131** FBR - Fibers
- **#435** Gold - Immune Plus
- **#3** Bactrex
- **#488** VIVI - Virox
- **#200** AO - Aloe Vera

▼ INFORMATION RESOURCES

- www.systemicformulas.com