

Microbiome Information for: ME/CFS with IBS

For prescribing Medical professionals Review

The suggestions below are based on an Expert System (Artificial Intelligence) modelled after the MYCIN Expert System produced at Stanford University School of Medicine in 1972. The system uses over 1,800,000 facts with backward chaining to sources of information. The typical sources are studies published on the US National Library of Medicine.

Many recent studies has found that symptoms and symptom severity has strong associations to the microbiome for many conditions. Correcting the microbiome dysfunction is beleived to reduce the severity of symptoms. In some cases, this correction may cause symptoms to disappear.

These are a *a priori suggestions* that are predicted to independently reduce microbiome dysfunction. Suggestions should *only be done after a review* by a medical professional factoring in patient's conditions, allergies and other issues.

This report may be freely shared by a patient to their medical professionals

Best practise for making microbiome adjustments is to obtain the individuals microbiome. The following are the best microbiome to use with this expert system model. The suggestions below are intended as temporary suggestions until a test result in received.

In the USA

Ombre (<https://www.ombrelab.com/>)

Thome (<https://www.thome.com/products/dp/gut-health-test>)

Worldwide: BiomeSight (<https://biomesight.com>) - Discount Code 'MICRO'

Analysis Provided by Microbiome Prescription

A Microbiome Analysis Company

892 Lake Samish Rd, Bellingham WA 98229

Email: Research@MicrobiomePrescription.com

Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of ME/CFS with IBS

Nota Bena: Many studies are done with a small sample size or mixtures of condition subsets which can greatly diminish the ability to detect bacteria shifts.

Bacteria Name	Rank	Shift	Taxonomy ID	Bacteria Name	Rank	Shift	Taxonomy ID
Alistipes	<i>genus</i>	High	239759	Blautia obeum	<i>species</i>	Low	40520
Bacteroides	<i>genus</i>	Low	816	Coprococcus catus	<i>species</i>	Low	116085
Bifidobacterium	<i>genus</i>	Low	1678	Coprococcus comes	<i>species</i>	Low	410072
Clostridium	<i>genus</i>	High	1485	Dorea formicigenerans	<i>species</i>	Low	39486
Faecalibacterium	<i>genus</i>	Low	216851	Dorea longicatena	<i>species</i>	Low	88431
Streptococcus	<i>genus</i>	High	1301	Enterocloster bolteae	<i>species</i>	High	208479
Anaerobutyricum hallii	<i>species</i>	Low	39488	Faecalibacterium prausnitzii	<i>species</i>	Low	853
Anaerostipes caccae	<i>species</i>	High	105841	Roseburia inulinivorans	<i>species</i>	Low	360807

Substance to Consider Adding or Taking

These are the most significant substances that are likely to improve the microbiome dysfunction. Dosages are based on the dosages used in clinical studies. For more information see: <https://microbiomeprescription.com/library/dosages>. These are provided as examples only

Colors indicates the type of substance: i.e. probiotics and prebiotics, herbs and spices, etc. There is no further meaning to them.

Antibiotics annotated with [CFS] have been used with various degree of success with Myalgic Encephalomyelitis, Chronic Fatigue Syndrome, Chronic Lyme, Chronic Q-Fever and Long COVID conditions. Rotation of antibiotics with 3 weeks off between courses is recommended.

alfacalcidol,(prescription)	low carbohydrate diet
amethopterin (r;s),(prescription)	low fodmap diet
apramycin (antibiotic)s	LYMECYCLINE (ANTIBIOTIC)[CFS]
benzbromarone,(prescription)	macrolide ((antibiotic)s)
Caffeine	methotrexate,(prescription)
candida albicans (prescription)	N-Acetyl Cysteine (NAC), 2400 mg/day
chloramphenicol (antibiotic)s	NEOMYCIN (ANTIBIOTIC)S[CFS]
dairy	ofloxacin (antibiotic)s
dicumarol,(prescription)	paromomycin (antibiotic)s
felodipine,(prescription)	prednisone,(prescription)
floxuridine,(prescription)	proton-pump inhibitors (prescription) 60 mg/day
gluten-free diet	sucralose 340 mg/day
Hesperidin (polyphenol) 1.5 gram/day	sulfamethoxazole (antibiotic)
high animal protein diet	tobramycin (antibiotic)
high-fat diets	Tributyryn
high-protein diet	triclosan
ibuprofen	vitamin a 25000 IU/day
kanamycin (antibiotic)s	vitamin B7, biotin 300 mg/day
lincosamide (antibiotic)s	Vitamin B9,folic acid 5 mg/day
linseed(flaxseed) 30 mg/day	Vitamin C (ascorbic acid) 30 g/day

Substance to Consider Reducing or Eliminating

These are the most significant substances have been identified as probably contributing to the microbiome dysfunction.

In some cases blood work may show low levels of some vitamins, etc. listed below. This may be due to *greedy* bacteria reported at a high level above. Viewing bacteria data on the Kyoto Encyclopedia of Genes and Genomes (<https://www.kegg.jp/>) may provide better insight on the course of action to take.

apple	lactobacillus plantarum (probiotics)
arabinogalactan (prebiotic)	partially hydrolyzed guar gum
bacillus subtilis (probiotics)	pectin
Cacao	piperacillin-tazobactam (antibiotic)s
fasting	resistant starch
fructo-oligosaccharides (prebiotic)	resveratrol (grape seed/polyphenols/red wine)
galacto-oligosaccharides (prebiotic)	rifaximin (antibiotic)s
high fiber diet	rosmarinus officinalis, rosemary
Human milk oligosaccharides (prebiotic, Holigos, Stachyose)	soy
inulin (prebiotic)	triphala
lactobacillus casei (probiotics)	vitamin d
lactobacillus paracasei (probiotics)	wheat
	wheat bran

Sample of Literature Used

The following are the most significant of the studies used to generate these suggestions.

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ADHD

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Allergies

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Alzheimer's disease

Amyotrophic lateral sclerosis (ALS) Motor Neuron

Ankylosing spondylitis

Anorexia Nervosa

Antiphospholipid syndrome (APS)

Asthma

Atherosclerosis

Autism
Autoimmune Disease
Barrett esophagus cancer
Bipolar Disorder
Brain Trauma
Carcinoma
Celiac Disease
Cerebral Palsy
Chronic Fatigue Syndrome
Chronic Kidney Disease
Chronic Lyme
Chronic Obstructive Pulmonary Disease (COPD)
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Coagulation / Micro clot triggering bacteria
Colorectal Cancer
Constipation
Coronary artery disease
COVID-19
Crohn's Disease
cystic fibrosis
deep vein thrombosis
Depression
Dermatomyositis
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Eosinophilic Esophagitis
Epilepsy
Fibromyalgia
Functional constipation / chronic idiopathic constipation
gallstone disease (gsd)
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus
Generalized anxiety disorder
Gout
Graves' disease
Hashimoto's thyroiditis
Hidradenitis Suppurativa
Histamine Issues From Ubiome
Histamine Issues, Mast Cell Issue, DAO Insufficiency
hypercholesterolemia (High Cholesterol)
hyperglycemia
Hyperlipidemia (High Blood Fats)
hypersomnia
hypertension (High Blood Pressure)
Hypoxia
IgA nephropathy (IgAN)
Inflammatory Bowel Disease
Insomnia
Intelligence
Irritable Bowel Syndrome
Juvenile idiopathic arthritis
Liver Cirrhosis
Long COVID
Lung Cancer
ME/CFS with IBS
ME/CFS without IBS
Menopause
Metabolic Syndrome
Mood Disorders

Multiple Sclerosis
Multiple system atrophy (MSA)
Neuropathy (all types)
neuropsychiatric disorders (PANDAS, PANS)
Nonalcoholic Fatty Liver Disease (nafld) Nonalcoholic
NonCeliac Gluten Sensitivity
Obesity
obsessive-compulsive disorder
Osteoarthritis
Osteoporosis
Parkinson's Disease
Postural orthostatic tachycardia syndrome
Premenstrual dysphoric disorder
Psoriasis
rheumatoid arthritis (RA), Spondyloarthritis (SpA)
Rosacea
Schizophrenia
Sjögren syndrome
Sleep Apnea
Small Intestinal Bacterial Overgrowth (SIBO)
Stress / posttraumatic stress disorder
Systemic Lupus Erythematosus
Tic Disorder
Tourette syndrome
Type 1 Diabetes
Type 2 Diabetes
Ulcerative colitis
Unhealthy Ageing