

Microbiome Information for: Coagulation / Micro clot triggering bacteria

For non-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 Coagulation / Micro clot triggering bacteria

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
Streptococcaceae	family	Low	1300	Shigella	genus	High	620
Acinetobacter	genus	High	469	Streptococcus	genus	Low	1301
Anaerostipes	genus	Low	207244	Subdoligranulum	genus	Low	292632
Bacillus	genus	High	1386	Succinatimonas	genus	High	674963
Bacillus	genus	High	55087	Lactobacillales	order	Low	186826
Butyrivibrio	genus	Low	830	ATCC 49882	species	High	38323
Christensenella	genus	High	990721	ATCC VR-2282	species	High	83558
Citrobacter	genus	High	544	Burkholderia pseudomallei	species	High	28450
Dialister	genus	Low	39948	Escherichia coli	species	High	562
Eisenbergiella	genus	Low	1432051	Haemophilus influenzae	species	High	727
Enterobacter	genus	High	547	Haemophilus parainfluenzae	species	High	729
Escherichia	genus	High	561	Helicobacter pylori	species	High	210
Eubacterium	genus	Low	1730	Klebsiella pneumoniae	species	High	573
Parabacteroides	genus	High	375288	Mycoplasma pneumoniae	species	High	2104
Paraprevotella	genus	High	577309	Porphyromonas gingivalis	species	High	837
Pseudobutyrvibrio	genus	Low	46205	Pseudomonas aeruginosa	species	High	287
Roseburia	genus	Low	841	Staphylococcus aureus	species	High	1280
Ruminococcus	genus	Low	1263	Streptococcus pneumoniae	species	High	1313
				Streptococcus pyogenes	species	High	1314

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.

aspartame (sweetner)

beef

bifidobacterium longum bb536 (probiotics)

cadium

camelina seed

carboxymethyl cellulose (prebiotic)

carob

choline 1 g/day

colinfant e.coli probiotics

d-ribose 10 gram/day

fluorine

iron 400 mg/day

ku ding cha tea

l-glutamine 5 gram/day

linseed(flaxseed) 30 mg/day

mannooligosaccharide (prebiotic) 8 gram/day

melatonin supplement 10 mg/day

quercetin, resveratrol

red alga Laurencia tristicha

smoking

symbioflor 2 e.coli probiotics

Vitamin B1, thiamine hydrochloride 1.8 gram/day

Vitamin B9, folic acid 5 mg/day

Retail Probiotics

Over 260 retail probiotics were evaluated with the following deemed beneficial with no known adverse risks.

symbiopharm / symbioflo 2
PharmExtracta (IT) / FG5 Forte In Sachets
PrecisionBiotics / Zenflore
Microbiome Labs / ZENBIOME Dual
SuperSmart / Bifidobacterium longum (BB536)

Note: Some of these are only available regionally – search the web for sources.

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.

bacillus subtilis (probiotics)

barley

berberine

cinnamon (oil. spice)

clostridium butyricum (probiotics),Miya,Miyarisan

Curcumin

foeniculum vulgare,fennel

inulin (prebiotic)

lactobacillus casei (probiotics)

lactobacillus plantarum (probiotics)

lactobacillus reuteri (probiotics)

lactobacillus rhamnosus gg (probiotics)

oregano (origanum vulgare, oil) |

syzygium aromaticum (clove)

thyme (thymol, thyme oil)

triphala

walnuts

Sample of Literature Used

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

[Gut Microbiota Dysbiosis in Patients with Intracranial Sino-Venous Thrombosis and Acute Ischemic Stroke in the Young](#)

Annals of Indian Academy of Neurology , Volume: 25 Issue: 5 2022 Sep-Oct
 Authors Prabhu VA,Rajput V,Yadav R,Gohil K,Dharne MS,Unnikrishnan MK,Gorthi SP

[Large-scale correlation analysis of deep venous thrombosis and gut microbiota.](#)

Frontiers in cardiovascular medicine , Volume: 9 2022
 Authors Yang M,Luo P,Zhang F,Xu K,Feng R,Xu P

[Gut Microbiota and Coronary Plaque Characteristics.](#)

Journal of the American Heart Association , Volume: 11 Issue: 17 2022 Sep 6
 Authors Nakajima A,Mitomo S,Yuki H,Araki M,Seegers LM,McNulty I,Lee H,Kuter D,Ishibashi M,Kobayashi K,Dijkstra J,Onishi H,Yabushita H,Matsuoka S,Kawamoto H,Watanabe Y,Tanaka K,Chou S,Naganuma T,Okutsu M,Tahara S,Kurita N,Nakamura S,Das S,Nakamura S,Jang IK

[Altered Gut Microbiome in Patients With Dermatomyositis.](#)

ACR open rheumatology , 2022 May 26
 Authors Bae SS,Dong TS,Wang J,Lagishetty V,Katzka W,Jacobs JP,Charles-Schoeman C

[Comparison of thrombus, gut, and oral microbiomes in Korean patients with ST-elevation myocardial infarction: a case-control study.](#)

Experimental & molecular medicine , Volume: 52 Issue: 12 2020 Dec
 Authors Kwun JS,Kang SH,Lee HJ,Park HK,Lee WJ,Yoon CH,Suh JW,Cho YS,Youn TJ,Chae IH

[Porphyromonas gingivalis initiates coagulation and secretes polyphosphates - A mechanism for sustaining chronic inflammation?](#)

Microbial pathogenesis , Volume: 162 2022 Jan
 Authors Neilands J,Kinnby B

[Microbial Modulation of Coagulation Disorders in Venous Thromboembolism.](#)

Journal of inflammation research , Volume: 13 2020
 Authors Lichota A,Gwozdziński K,Szewczyk EM

[Understanding Infection-Induced Thrombosis: Lessons Learned From Animal Models.](#)

Frontiers in immunology , Volume: 10 2019
 Authors Beristain-Covarrubias N,Perez-Toledo M,Thomas MR,Henderson IR,Watson SP,Cunningham AF

[Preparation and characterization of curcumin/chitosan conjugate as an efficient photodynamic antibacterial agent.](#)

Carbohydrate polymers , Volume: 313 2023 Aug 1
 Authors Zhao L,Ding X,Khan IM,Yue L,Zhang Y,Wang Z

[Quercetin Is a Novel Inhibitor of the Choline Kinase of Streptococcus pneumoniae.](#)

Antibiotics (Basel, Switzerland) , Volume: 11 Issue: 9 2022 Sep 19
 Authors Zimmerman T,Ibrahim SA

[Miya Improves Osteoarthritis Characteristics via the Gut-Muscle-Joint Axis According to Multi-Omics Analyses.](#)

Frontiers in pharmacology , Volume: 13 2022
 Authors Xu T,Yang D,Liu K,Gao Q,Liu Z,Li G

[Mechanistic basis of choline import involved in teichoic acids and lipopolysaccharide modification.](#)

Science advances , Volume: 8 Issue: 9 2022 Mar 4
 Authors Bärland N,Rueff AS,Cabrero G,Hutter CAJ,Seeger MA,Veening JW,Perez C

[Correction to "ZnO/Curcumin Nanocomposites for the Enhanced Inhibition of Pseudomonas aeruginosa Virulence via LasR-RhlR Quorum Sensing Systems".](#)

Molecular pharmaceutics , 2021 Dec 7
 Authors Prateeksha,Rao CV,Das AK,Barik SK,Singh BN

[Bacillus subtilis Attenuates Hepatic and Intestinal Injuries and Modulates Gut Microbiota and Gene Expression Profiles in Mice Infected with Schistosoma japonicum.](#)

Frontiers in cell and developmental biology , Volume: 9 2021
 Authors Lin D,Song Q,Zhang Y,Liu J,Chen F,Du S,Xiang S,Wang L,Wu X,Sun X

[Multidimensional exploration of essential oils generated via eight oregano cultivars: Compositions, chemodiversities, and antibacterial capacities.](#)

Food chemistry , Volume: 374 2022 Apr 16
 Authors Hao Y,Kang J,Yang R,Li H,Cui H,Bai H,Tsitsilin A,Li J,Shi L

[Metagenomic Analysis of Intestinal Microbiota in Flolated Rats.](#)

Biological trace element research , Volume: 200 Issue: 7 2022 Jul

Authors Komuroglu AU,Seckin H,Ertas M,Meydan I

Combined effect of carvacrol, thymol and nisin against Staphylococcus aureus and Salmonella Enteritidis.

Anais da Academia Brasileira de Ciencias , Volume: 93 Issue: suppl 4 2021

Authors Heckler C,Sant`anna V,Brandelli A,Malheiros PS

Cinnamaldehyde Promotes the Intestinal Barrier Functions and Reshapes Gut Microbiome in Early Weaned Rats.

Frontiers in nutrition , Volume: 8 2021

Authors Qi L,Mao H,Lu X,Shi T,Wang J

Bacillus pumilus and Bacillus subtilis Promote Early Maturation of Cecal Microbiota in Broiler Chickens.

Microorganisms , Volume: 9 Issue: 9 2021 Sep 7

Authors Bilal M,Achard C,Barbe F,Chevaux E,Ronholm J,Zhao X

The Protection of Lactiplantibacillus plantarum CCFM8661 Against Benzopyrene-Induced Toxicity via Regulation of the Gut Microbiota.

Frontiers in immunology , Volume: 12 2021

Authors Yu L,Zhang L,Duan H,Zhao R,Xiao Y,Guo M,Zhao J,Zhang H,Chen W,Tian F

Prebiotic fructans have greater impact on luminal microbiology and CD3+ T cells in healthy siblings than patients with Crohn`s disease: A pilot study investigating the potential for primary prevention of inflammatory bowel disease.

Clinical nutrition (Edinburgh, Scotland) , Volume: 40 Issue: 8 2021 Jun 23

Authors Hedin CR,McCarthy NE,Louis P,Farquharson FM,McCartney S,Stagg AJ,Lindsay JO,Whelan K

Promiscuous Pseudomonas: Uptake of Non-Endogenous Ligands for Iron Acquisition.

Tetrahedron letters , Volume: 75 2021 Jul 6

Authors Kaplan AR,Wuest WM

Dietary oregano essential oil supplementation improves intestinal functions and alters gut microbiota in late-phase laying hens.

Journal of animal science and biotechnology , Volume: 12 Issue: 1 2021 Jul 6

Authors Feng J,Lu M,Wang J,Zhang H,Qiu K,Qi G,Wu S

Clostridium butyricum relieve the visceral hypersensitivity in mice induced by Citrobacter rodentium infection with chronic stress.

PeerJ , Volume: 9 2021

Authors Wang T,Li L,Li S,Zhao H,Qu J,Xia Y,Li Y

The Anti-Inflammatory Effect and Mucosal Barrier Protection of Clostridium butyricum RH2 in Ceftriaxone-Induced Intestinal Dysbacteriosis.

Frontiers in cellular and infection microbiology , Volume: 11 2021

Authors Li Y,Liu M,Liu H,Sui X,Liu Y,Wei X,Liu C,Cheng Y,Ye W,Gao B,Wang X,Lu Q,Cheng H,Zhang L,Yuan J,Li M

Effects of colon-targeted vitamins on the composition and metabolic activity of the human gut microbiome- a pilot study.

Gut microbes , Volume: 13 Issue: 1 2021 Jan-Dec

Authors Pham VT,Fehlbaum S,Seifert N,Richard N,Bruins MJ,Sybesma W,Rehman A,Steinert RE

Prevention and Alleviation of Dextran Sulfate Sodium Salt-Induced Inflammatory Bowel Disease in Mice With Bacillus subtilis-Fermented Milk via Inhibition of the Inflammatory Responses and Regulation of the Intestinal Flora.

Frontiers in microbiology , Volume: 11 2020

Authors Zhang X,Tong Y,Lyu X,Wang J,Wang Y,Yang R

Effects of Iron and Zinc Biofortified Foods on Gut Microbiota In Vivo (Gallus gallus): A Systematic Review.

Nutrients , Volume: 13 Issue: 1 2021 Jan 9

Authors Juste Contin Gomes M,Stampini Duarte Martino H,Tako E

Exopolysaccharides from Lactobacillus plantarum YW11 improve immune response and ameliorate inflammatory bowel disease symptoms.

Acta biochimica Polonica , Volume: 67 Issue: 4 2020 Dec 17

Authors Min Z,Xiaona H,Aziz T,Jian Z,Zhennai Y

Adjunctive treatment with probiotics partially alleviates symptoms and reduces inflammation in patients with irritable bowel syndrome.

European journal of nutrition , 2020 Nov 22

Authors Xu H,Ma C,Zhao F,Chen P,Liu Y,Sun Z,Cui L,Kwok LY,Zhang H

Neuroprotective effects associated with immune modulation by selected lactic acid bacteria in a Parkinson`s disease model.

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 79-80 2020 Nov - Dec

Authors Perez Visñuk D,Savoy de Giori G,LeBlanc JG,de Moreno de LeBlanc A

Modulatory Effects of Triphala and Manjistha Dietary Supplementation on Human Gut Microbiota: A Double-Blind, Randomized, Placebo-Controlled Pilot Study.

Journal of alternative and complementary medicine (New York, N.Y.) , Volume: 26 Issue: 11 2020 Nov

Authors Peterson CT,Pourang A,Dhaliwal S,Kohn JN,Uchitel S,Singh H,Mills PJ,Peterson SN,Sivamani RK

Nuts and their Effect on Gut Microbiota, Gut Function and Symptoms in Adults: A Systematic Review and Meta-Analysis of Randomised Controlled Trials.

Nutrients , Volume: 12 Issue: 8 2020 Aug 6

Authors Creedon AC,Hung ES,Berry SE,Whelan K

Thyroid-Gut-Axis: How Does the Microbiota Influence Thyroid Function?

Nutrients , Volume: 12 Issue: 6 2020 Jun 12

Authors Knezevic J,Starchl C,Tmava Berisha A,Amrein K

Antioxidant, Anti-Inflammatory, and Microbial-Modulating Activities of Essential Oils: Implications in Colonic Pathophysiology.

International journal of molecular sciences , Volume: 21 Issue: 11 2020 Jun 10

Authors Spisni E,Petrocelli G,Imbesi V,Spigarelli R,Azzinnari D,Donati Sarti M,Campieri M,Valerii MC

Streptococcus pneumoniae promotes its own survival via choline-binding protein CbpC-mediated degradation of ATG14.

Autophagy , Volume: 16 Issue: 8 2020 Aug

Authors Shizukuishi S,Ogawa M,Ryo A,Ohnishi M

The *in vitro* Effect of Fibers With Different Degrees of Polymerization on Human Gut Bacteria.

Frontiers in microbiology , Volume: 11 2020

Authors Chen M,Fan B,Liu S,Imam KMSU,Xie Y,Wen B,Xin F

Effect of Berberine on Atherosclerosis and Gut Microbiota Modulation and Their Correlation in High-Fat Diet-Fed ApoE^{-/-} Mice.

Frontiers in pharmacology , Volume: 11 2020

Authors Wu M,Yang S,Wang S,Cao Y,Zhao R,Li X,Xing Y,Liu L

Alterations in cecal microbiota and intestinal barrier function of laying hens fed on fluoride supplemented diets.

Ecotoxicology and environmental safety , Volume: 193 2020 Apr 15

Authors Miao L,Gong Y,Li H,Xie C,Xu Q,Dong X,Elwan HAM,Zou X

Dietary prophage inducers and antimicrobials: toward landscaping the human gut microbiome.

Gut microbes , 2020 Jan 13

Authors Boling L,Cuevas DA,Grasis JA,Kang HS,Knowles B,Levi K,Maughan H,McNair K,Rojas MI,Sanchez SE,Smurthwaite C,Rohwer F

The effect of inulin and resistant maltodextrin on weight loss during energy restriction: a randomised, placebo-controlled, double-blinded intervention.

European journal of nutrition , 2019 Oct 11

Authors Hess AL,Benítez-Páez A,Blædel T,Larsen LH,Iglesias JR,Madera C,Sanz Y,Larsen TM,MyNewGut Consortium.

Transfusional iron overload and intravenous iron infusions modify the mouse gut microbiota similarly to dietary iron.

NPJ biofilms and microbiomes , Volume: 5 2019

Authors La Carpia F,Wojczyk BS,Annajhala MK,Rebbaa A,Culp-Hill R,D`Alessandro A,Freedberg DE,Uhlemann AC,Hod EA

Transfusional iron overload and intravenous iron infusions modify the mouse gut microbiota similarly to dietary iron.

NPJ biofilms and microbiomes , Volume: 5 Issue: 1 2019

Authors La Carpia F,Wojczyk BS,Annajhala MK,Rebbaa A,Culp-Hill R,D`Alessandro A,Freedberg DE,Uhlemann AC,Hod EA

Lactobacillus reuteri DSM 17938 feeding of healthy newborn mice regulates immune responses while modulating gut microbiota and boosting beneficial metabolites.

American journal of physiology. Gastrointestinal and liver physiology , 2019 Sep 4

Authors Liu Y,Tian X,He B,Hoang TK,Taylor CM,Blanchard E,Freeborn J,Park S,Luo M,Couturier J,Tran DQ,Roos S,Wu G,Rhoads JM

Walnuts and Vegetable Oils Differentially Affect the Gut Microbiome and Associations with Cardiovascular Risk Factors (OR29-06-19).

Current developments in nutrition , Volume: 3 Issue: Suppl 1 2019 Jun

Authors Tindall A,McLimans C,Petersen K,Kris-Etherton P,Lamendella R

Spent Coffee Grounds Extract, Rich in Mannooligosaccharides, Promotes a Healthier Gut Microbial Community in a Dose-Dependent Manner.

Journal of agricultural and food chemistry , Volume: 67 Issue: 9 2019 Mar 6

Authors Pérez-Burillo S,Pastoriza S,Fernández-Arteaga A,Luzón G,Jiménez-Hernández N,D`Auria G,Francino MP,Rufián-Henares JÁ

Simultaneous Supplementation of *Bacillus subtilis* and Antibiotic Growth Promoters by Stages Improved Intestinal Function of Pullets by Altering Gut Microbiota.

Frontiers in microbiology , Volume: 9 2018

Authors Li X,Wu S,Li X,Yan T,Duan Y,Yang X,Duan Y,Sun Q,Yang X

Supplemental *Bacillus subtilis* DSM 32315 manipulates intestinal structure and microbial composition in broiler chickens.

Scientific reports , Volume: 8 Issue: 1 2018 Oct 18

Authors Ma Y,Wang W,Zhang H,Wang J,Zhang W,Gao J,Wu S,Qi G

[Antimicrobial activity of spices essential oils and its effectiveness on mature biofilms of human pathogens.](#)

Natural product research , 2018 Oct 13

Authors Condò C,Anacarlo I,Sabia C,Iseppi R,Anfelli I,Forti L,de Niederhäusern S,Bondi M,Messi P

[Anti-inflammatory and antibacterial evaluation of Thymus sipyleus Boiss. subsp. sipyleus var. sipyleus essential oil against rhinosinusitis pathogens.](#)

Microbial pathogenesis , Volume: 122 2018 Sep

Authors Demirci F,Karaca N,Tekin M,Demirci B

[Protective Effect of Aplysin Supplementation on Intestinal Permeability and Microbiota in Rats Treated with Ethanol and Iron.](#)

Nutrients , Volume: 10 Issue: 6 2018 May 27

Authors Ma Y,Li R,Liu Y,Liu M,Liang H

[Walnut Consumption Alters the Gastrointestinal Microbiota, Microbially Derived Secondary Bile Acids, and Health Markers in Healthy Adults: A Randomized Controlled Trial.](#)

The Journal of nutrition , Volume: 148 Issue: 6 2018 Jun 1

Authors Holscher HD,Guetterman HM,Swanson KS,An R,Matthan NR,Lichtenstein AH,Novotny JA,Baer DJ

[Role of *Lactobacillus reuteri* in Human Health and Diseases.](#)

Frontiers in microbiology , Volume: 9 2018

Authors Mu Q,Tavella VJ,Luo XM

[The bacterium *Pseudomonas aeruginosa* senses and gradually responds to interspecific competition for iron.](#)

Evolution; international journal of organic evolution , 2018 Apr 17

Authors Leinweber A,Weigert M,Kümmerli R

[Prebiotic Potential of Herbal Medicines Used in Digestive Health and Disease.](#)

Journal of alternative and complementary medicine (New York, N.Y.) , Volume: 24 Issue: 7 2018 Jul

Authors Peterson CT,Sharma V,Uchitel S,Denniston K,Chopra D,Mills PJ,Peterson SN

[Extensive impact of non-antibiotic drugs on human gut bacteria.](#)

Nature , Volume: 555 Issue: 7698 2018 Mar 29

Authors Maier L,Pruteanu M,Kuhn M,Zeller G,Telzerow A,Anderson EE,Brochado AR,Fernandez KC,Dose H,Mori H,Patil KR,Bork P,Typas A

[The effect of *Clostridium butyricum* on symptoms and fecal microbiota in diarrhea-dominant irritable bowel syndrome: a randomized, double-blind, placebo-controlled trial.](#)

Scientific reports , Volume: 8 Issue: 1 2018 Feb 14

Authors Sun YY,Li M,Li YY,Li LX,Zhai WZ,Wang P,Yang XX,Gu X,Song LJ,Li Z,Zuo XL,Li YQ

[In vitro fermentation of copra meal hydrolysate by chicken microbiota.](#)

3 Biotech , Volume: 8 Issue: 1 2018 Jan

Authors Prayoonthien P,Nitisinprasert S,Keawsompong S

[Camelina Seed Supplementation at Two Dietary Fat Levels Change Ruminal Bacterial Community Composition in a Dual-Flow Continuous Culture System.](#)

Frontiers in microbiology , Volume: 8 2017

Authors Dai X,Weimer PJ,Dill-McFarland KA,Brandao VLN,Suen G,Faciola AP

[Clostridium butyricum CGMCC0313.1 Protects against Autoimmune Diabetes by Modulating Intestinal Immune Homeostasis and Inducing Pancreatic Regulatory T Cells.](#)

Frontiers in immunology , Volume: 8 2017

Authors Jia L,Shan K,Pan LL,Feng N,Lv Z,Sun Y,Li J,Wu C,Zhang H,Chen W,Diana J,Sun J,Chen YQ

[Modulating Effects of Dicafeoylquinic Acids from *Ilex kudingcha* on Intestinal Microecology in Vitro.](#)

Journal of agricultural and food chemistry , Volume: 65 Issue: 47 2017 Nov 29

Authors Xie M,Chen G,Wan P,Dai Z,Hu B,Chen L,Ou S,Zeng X,Sun Y

[In-vitro antimicrobial activity and identification of bioactive components using GC-MS of commercially available essential oils in Saudi Arabia.](#)

Journal of food science and technology , Volume: 54 Issue: 12 2017 Nov

Authors Ashraf SA,Al-Shammari E,Hussain T,Tajuddin S,Panda BP

[Effects of microencapsulated *Lactobacillus plantarum* LIP-1 on the gut microbiota of hyperlipidaemic rats.](#)

The British journal of nutrition , Volume: 118 Issue: 7 2017 Oct

Authors Song JJ,Tian WJ,Kwok LY,Wang YL,Shang YN,Menghe B,Wang JG

[Effects of microencapsulated *Lactobacillus plantarum* LIP-1 on the gut microbiota of hyperlipidaemic rats.](#)

The British journal of nutrition , Volume: 118 Issue: 7 2017 Oct

Authors Song JJ,Tian WJ,Kwok LY,Wang YL,Shang YN,Menghe B,Wang JG

[Reduced obesity, diabetes, and steatosis upon cinnamon and grape pomace are associated with changes in gut microbiota](#)

and markers of gut barrier.

American journal of physiology. Endocrinology and metabolism , Volume: 314 Issue: 4 2018 Apr 1

Authors Van Hul M,Geurts L,Plovier H,Druart C,Everard A,Ståhlman M,Rhimi M,Chira K,Teissedre PL,Delzenne NM,Maguin E,Guilbot A,Brochot A,Gérard P,Bäckhed F,Cani PD

Effect of Probiotic Lactobacilli on the Growth of Streptococcus Mutans and Multispecies Biofilms Isolated from Children with Active Caries.

Medical science monitor : international medical journal of experimental and clinical research , Volume: 23 2017 Aug 30

Authors Lin X,Chen X,Tu Y,Wang S,Chen H

Monitoring *in vitro* antibacterial efficacy of 26 Indian spices against multidrug resistant urinary tract infecting bacteria.

Integrative medicine research , Volume: 3 Issue: 3 2014 Sep

Authors Rath S,Padhy RN

The effects of micronutrient deficiencies on bacterial species from the human gut microbiota.

Science translational medicine , Volume: 9 Issue: 390 2017 May 17

Authors Hibberd MC,Wu M,Rodionov DA,Li X,Cheng J,Griffin NW,Barratt MJ,Giannone RJ,Hettich RL,Osterman AL,Gordon JI

Effect of *Lactobacillus rhamnosus* HN001 and *Bifidobacterium longum* BB536 on the healthy gut microbiota composition at phyla and species level: A preliminary study.

World journal of gastroenterology , Volume: 23 Issue: 15 2017 Apr 21

Authors Toscano M,De Grandi R,Stronati L,De Vecchi E,Drago L

Berberine protects against diet-induced obesity through regulating metabolic endotoxemia and gut hormone levels.

Molecular medicine reports , Volume: 15 Issue: 5 2017 May

Authors Xu JH,Liu XZ,Pan W,Zou DJ

Anti Bacterial Efficacy of *Terminalia Chebula*, *Terminalia Bellirica*, *Embilica Officinalis* and *Triphala* on Salivary *Streptococcus Mutans* Count - A Linear Randomized Cross Over Trial.

Journal of clinical and diagnostic research : JCDR , Volume: 11 Issue: 2 2017 Feb

Authors Saxena S,Lakshminarayan N,Gudli S,Kumar M

Prebiotic inulin-type fructans induce specific changes in the human gut microbiota.

Gut , Volume: 66 Issue: 11 2017 Nov

Authors Vandeputte D,Falony G,Vieira-Silva S,Wang J,Sailer M,Theis S,Verbeke K,Raes J

Carob pods (*Ceratonia siliqua* L.) improve growth performance, antioxidant status and caecal characteristics in growing rabbits.

Journal of animal physiology and animal nutrition , Volume: 101 Issue: 6 2017 Dec

Authors Abu Hafsa SH,Ibrahim SA,Hassan AA

A metagenomic study of the preventive effect of *Lactobacillus rhamnosus* GG on intestinal polyp formation in *Apc^{Min/+}* mice.

Journal of applied microbiology , Volume: 122 Issue: 3 2017 Mar

Authors Ni Y,Wong VH,Tai WC,Li J,Wong WY,Lee MM,Fong FL,El-Nezami H,Panagiotou G

Breaking the resistance of *Escherichia coli*: Antimicrobial activity of *Berberis lycium* Royle.

Microbial pathogenesis , Volume: 102 2017 Jan

Authors Malik TA,Kamili AN,Chishti MZ,Ahad S,Tantray MA,Hussain PR,Johri RK

Insights from 100 Years of Research with Probiotic *E. Coli*

European Journal of Microbiology & Immunology , Volume: 6 Issue: 3 2016 Sep 29

Authors Wassenaar TM

Efficacy and role of inulin in mitigation of enteric sulfur-containing odor in pigs.

Journal of the science of food and agriculture , Volume: 97 Issue: 8 2017 Jun

Authors Deng YF,Liu YY,Zhang YT,Wang Y,Liang JB,Tufarelli V,Laudadio V,Liao XD

Antibacterial *in vitro* effects of preparations from Anthroposophical Medicine.

BMC complementary and alternative medicine , Volume: 16 Issue: 1 2016 Sep 22

Authors Roser E,Gründemann C,Engels I,Huber R

Berberine Is a Novel Type Efflux Inhibitor Which Attenuates the MexXY-Mediated Aminoglycoside Resistance in *Pseudomonas aeruginosa*.

Frontiers in microbiology , Volume: 7 2016

Authors Morita Y,Nakashima K,Nishino K,Kotani K,Tomida J,Inoue M,Kawamura Y

In vitro antimicrobial activity of five essential oils on multidrug resistant Gram-negative clinical isolates.

Journal of intercultural ethnopharmacology , Volume: 5 Issue: 3 2016 Jun-Aug

Authors Sakkas H,Gousia P,Economou V,Sakkas V,Petsios S,Papadopoulou C

Short communication: Modulation of the small intestinal microbial community composition over short-term or long-term

administration with Lactobacillus plantarum ZDY2013.

Journal of dairy science , Volume: 99 Issue: 9 2016 Sep

Authors Xie Q,Pan M,Huang R,Tian X,Tao X,Shah NP,Wei H,Wan C

Lactobacillus rhamnosus GG Intake Modifies Preschool Children`s Intestinal Microbiota, Alleviates Penicillin-Associated Changes, and Reduces Antibiotic Use.

PloS one , Volume: 11 Issue: 4 2016

Authors Korpela K,Salonen A,Virta LJ,Kumpu M,Kekkonen RA,de Vos WM

Gas chromatography coupled with mass spectrometric characterization of Curcuma longa: Protection against pathogenic microbes and lipid peroxidation in rat`s tissue homogenate.

Pakistan journal of pharmaceutical sciences , Volume: 29 Issue: 2 2016 Mar

Authors Hassan W,Gul S,Rehman S,Kanwal F,Afridi MS,Fazal H,Shah Z,Rahman A,da Rocha JB

Lactobacillus plantarum NCU116 attenuates cyclophosphamide-induced intestinal mucosal injury, metabolism and intestinal microbiota disorders in mice.

Food & function , Volume: 7 Issue: 3 2016 Mar

Authors Xie JH,Fan ST,Nie SP,Yu Q,Xiong T,Gong D,Xie MY

Antimicrobial Properties of a Potential Probiotic Lactobacillus from Thai Newborn Feces.

Journal of the Medical Association of Thailand = Chotmaihet thangphaet , Volume: 98 Suppl 9 2015 Oct

Authors Chimchang J,Theparee T,Ladda B,Tanasupawat S,Wongsatayanon BT,Taweechoitipatr M

Evaluation of probiotic properties of Lactobacillus plantarum WLPLO4 isolated from human breast milk.

Journal of dairy science , Volume: 99 Issue: 3 2016 Mar

Authors Jiang M,Zhang F,Wan C,Xiong Y,Shah NP,Wei H,Tao X

Antibacterial Activity of Probiotic Lactobacillus plantarum HK01: Effect of Divalent Metal Cations and Food Additives on Production Efficiency of Antibacterial Compounds.

Probiotics and antimicrobial proteins , Volume: 5 Issue: 2 2013 Jun

Authors Sharafi H,Alidost L,Lababpour A,Shahbani Zahiri H,Abbasi H,Vali H,Akbari Noghabi K

Probiotic Characteristics of Lactobacillus plantarum FH185 Isolated from Human Feces.

Korean journal for food science of animal resources , Volume: 35 Issue: 5 2015

Authors Park SY,Lim SD

Bacteriocin-producing strains of Lactobacillus plantarum inhibit adhesion of Staphylococcus aureus to extracellular matrix: quantitative insight and implications in antibacterial therapy.

Journal of medical microbiology , Volume: 64 Issue: 12 2015 Dec

Authors Mukherjee S,Ramesh A

Lactobacillus rhamnosus GG-supplemented formula expands butyrate-producing bacterial strains in food allergic infants.

The ISME journal , Volume: 10 Issue: 3 2016 Mar

Authors Berni Canani R,Sangwan N,Stefka AT,Nocerino R,Paparo L,Aitoro R,Calignano A,Khan AA,Gilbert JA,Nagler CR

Effect of Whole-Grain Barley on the Human Fecal Microbiota and Metabolome.

Applied and environmental microbiology , Volume: 81 Issue: 22 2015 Nov

Authors De Angelis M,Montemurno E,Vannini L,Cosola C,Cavallo N,Gozzi G,Maranzano V,Di Cagno R,Gobbetti M,Gesualdo L

Antibacterial activity of cinnamaldehyde and clove oil: effect on selected foodborne pathogens in model food systems and watermelon juice.

Journal of food science and technology , Volume: 52 Issue: 9 2015 Sep

Authors Siddiqua S,Anusha BA,Ashwini LS,Negi PS

Reutericyclin producing Lactobacillus reuteri modulates development of fecal microbiota in weanling pigs.

Frontiers in microbiology , Volume: 6 2015

Authors Yang Y,Zhao X,Le MH,Zijlstra RT,Gänzle MG

Potential protective effects of Clostridium butyricum on experimental gastric ulcers in mice.

World journal of gastroenterology , Volume: 21 Issue: 27 2015 Jul 21

Authors Wang FY,Liu JM,Luo HH,Liu AH,Jiang Y

Antibacterial activity and mechanism of berberine against Streptococcus agalactiae.

International journal of clinical and experimental pathology , Volume: 8 Issue: 5 2015

Authors Peng L,Kang S,Yin Z,Jia R,Song X,Li L,Li Z,Zou Y,Liang X,Li L,He C,Ye G,Yin L,Shi F,Lv C,Jing B

Modulation of gut microbiota in rats fed high-fat diets by processing whole-grain barley to barley malt.

Molecular nutrition & food research , Volume: 59 Issue: 10 2015 Oct

Authors Zhong Y,Nyman M,Fåk F

Wheat and barley differently affect porcine intestinal microbiota.

Journal of the science of food and agriculture , Volume: 96 Issue: 6 2016 Apr

Authors Weiss E,Aumiller T,Spindler HK,Rosenfelder P,Eklund M,Witzig M,Jørgensen H,Bach Knudsen KE,Mosenthin R

In vitro probiotic characteristics of Lactobacillus plantarum ZDY 2013 and its modulatory effect on gut microbiota of mice.

Journal of dairy science , Volume: 98 Issue: 9 2015 Sep

Authors Huang R,Tao X,Wan C,Li S,Xu H,Xu F,Shah NP,Wei H

Antimicrobial Impacts of Essential Oils on Food Borne-Pathogens.

Recent patents on food, nutrition & agriculture , Volume: 7 Issue: 1 2015

Authors Ozogul Y,Kuley E,Ucar Y,Ozogul F

Effects of dietary linseed oil and propionate precursors on ruminal microbial community, composition, and diversity in Yanbian yellow cattle.

PloS one , Volume: 10 Issue: 5 2015

Authors Li XZ,Park BK,Shin JS,Choi SH,Smith SB,Yan CG

Antimicrobial activity and chemical composition of the essential oils of Portuguese Foeniculum vulgare fruits.

Natural product communications , Volume: 10 Issue: 4 2015 Apr

Authors Mota AS,Martins MR,Arantes S,Lopes VR,Bettencourt E,Pombal S,Gomes AC,Silva LA

Oral Microbiota Shift after 12-Week Supplementation with Lactobacillus reuteri DSM 17938 and PTA 5289; A Randomized Control Trial.

PloS one , Volume: 10 Issue: 5 2015

Authors Romani Vestman N,Chen T,Lif Holgerson P,Öhman C,Johansson I

Oral supplementation with L-glutamine alters gut microbiota of obese and overweight adults: A pilot study.

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 31 Issue: 6 2015 Jun

Authors de Souza AZ,Zambom AZ,Abboud KY,Reis SK,Tannihão F,Guadagnini D,Saad MJ,Prada PO

Phytonutrient diet supplementation promotes beneficial Clostridia species and intestinal mucus secretion resulting in protection against enteric infection.

Scientific reports , Volume: 5 2015 Mar 19

Authors Wlodarska M,Willing BP,Bravo DM,Finlay BB

Empirical prediction and validation of antibacterial inhibitory effects of various plant essential oils on common pathogenic bacteria.

International journal of food microbiology , Volume: 202 2015 Jun 2

Authors Akdemir Evrendilek G

Probiotic potential of lactobacillus strains isolated from sorghum-based traditional fermented food.

Probiotics and antimicrobial proteins , Volume: 7 Issue: 2 2015 Jun

Authors Rao KP,Chennappa G,Suraj U,Nagaraja H,Raj AP,Sreenivasa MY

The impact of oral consumption of Lactobacillus plantarum P-8 on faecal bacteria revealed by pyrosequencing.

Beneficial microbes , Volume: 6 Issue: 4 2015

Authors Kwok LY,Guo Z,Zhang J,Wang L,Qiao J,Hou Q,Zheng Y,Zhang H

Antimicrobial Effect of Lactobacillus reuteri on Cariogenic Bacteria Streptococcus gordonii, Streptococcus mutans, and Periodontal Diseases Actinomyces naeslundii and Tannerella forsythia.

Probiotics and antimicrobial proteins , Volume: 7 Issue: 1 2015 Mar

Authors Baca-Castañón ML,De la Garza-Ramos MA,Alcázar-Pizaña AG,Grondin Y,Coronado-Mendoza A,Sánchez-Najera RI,Cárdenas-Estrada E,Medina-De la Garza CE,Escamilla-García E

Additional APriori Analysis Available

Available at: <https://microbiomeprescription.com/Library/PubMed>

Acne
ADHD
Allergic Rhinitis (Hay Fever)
Allergies
Alopecia (Hair Loss)
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)
Chronic Urticaria (Hives)
Coagulation / Micro clot triggering bacteria
Colorectal Cancer
Constipation
Coronary artery disease
COVID-19
Crohn's Disease
cystic fibrosis
deep vein thrombosis
Depression
Dermatomyositis
Eczema
Endometriosis
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