

## Microbiome Information for: Amyotrophic lateral sclerosis (ALS) Motor Neuron

### 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](mailto:Research@MicrobiomePrescription.com)

## Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Amyotrophic lateral sclerosis (ALS) Motor Neuron

*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
Bacteroidia	class	High	200643	Intestinimonas	genus	High	1392389
Hungateiclostridiaceae	family	High	2304686	Lactobacillus	genus	High	1578
Porphyromonadaceae	family	High	171551	Mannheimia	genus	High	75984
Prevotellaceae	family	High	171552	Megamonas	genus	Low	158846
Ruminococcaceae	family	High	541000	Odoribacter	genus	High	283168
Veillonellaceae	family	Low	31977	Oscillibacter	genus	High	459786
Akkermansia	genus	High	239934	Parasutterella	genus	Low	577310
Anaerostipes	genus	High	207244	Peptostreptococcus	genus	Low	1257
Anaerotruncus	genus	High	244127	Pseudoflavonifractor	genus	High	1017280
Bifidobacterium	genus	High	1678	Ruminiclostridium	genus	High	1508657
Citrobacter	genus	High	544	Ruminococcus	genus	Low	1263
Coprococcus	genus	High	33042	Shigella	genus	High	620
Dorea	genus	High	189330	Sporobacter	genus	High	44748
Eisenbergiella	genus	High	1432051	Bacteroides fragilis	species	High	817
Escherichia	genus	High	561	Butyrivibrio fibrisolvens	species	Low	831
Eubacterium	genus	Low	1730	Escherichia coli	species	Low	562
				Lachnospira eligens	species	High	39485

## 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.

apple

arabinogalactan (prebiotic) 21 gram/day

bacillus subtilis (probiotics) 10 BCFU/day

Burdock Root

Cacao 20 gram/day

fasting

fructo-oligosaccharides (prebiotic) 15 gram/day

Human milk oligosaccharides (prebiotic, Holigos, Stachyose) 2

gram/day

inulin (prebiotic) 32 gram/day

ketogenic diet

lactobacillus plantarum (probiotics) 60 BCFU/day

lactulose

metformin (prescription)

pomegranate 1 gram/day

raffinose(sugar beet)

resveratrol (grape seed/polyphenols/red wine) 2 gram/day

soy 25 gram/day

wheat

wheat bran

## Retail Probiotics

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

Global Healing Center / FloraTrex  
 Realdose  
 jarrow formulas / bifidus balance® + fos  
 nature's way (au) / restore probiotic bowel & colon health 30s  
 garden of life / primal defense  
 probiotic pur (de) / realdose nutrition  
 theramedix / probiotic  
 naturopathica (au) / gastrohealth probiotic dairy free 20 bcfu  
 Bio Schwartz / Advance Strength Probiotics (40 BCFU)  
 Physician Choice /60 Billion Probiotics  
 naturopathica (au) / gastrohealth probiotic dairy free 50 billion  
 SuperSmart / Probio Forte  
 organic 3 / gutpro  
 enviromedica terraflora sbo probiotic  
 Jetson (US) / Mood Probiotics  
 Ombre / Heart Health  
 seed / female version  
 jarrow formulas / jarro-dophilus® ultra  
 custom probiotics / six strain probiotic powder  
 ImmuneBiotech Medical Sweden AB / GutMagnific®  
 OMNI-BIOTIC®/ TRAVEL  
 global health trax / threelac  
 nature's way (au) / restore probiotic 30 billion 30s  
 organic 3 / primal gut  
 Physis / Advance Probiotics  
 bio-botanical research / proflora4r restorative probiotic  
 blackmore (au) / probiotics+ daily health  
 Dr. Mercola / Complete Probiotics  
 Garden of Life / Dr. Formulated Once Daily Women's  
 vinco / probiotic eight 65  
 nature's instincts / ultra spore probiotic  
 hyperbiotics / pro-15  
 nature's way (au) / restore probiotic 100 billion  
 seed / male version  
 solaray / microbiome probiotic colon formula  
 lifted naturals / mood boosting probiotic  
 bioglan bio (au) / happy probiotic 50  
 HLH BIOPHARMA(DE) / LACTOBACT ® LDL-CONTROL  
 powerlabs (au) / ultra blend  
 biospec / probiotic-5  
 corebiotic  
 blackmores (au) / probiotics+ immune defence  
 CustomProbiotics.com / L. Plantarum Probiotic Powder  
 Ombre / Healthy Gut  
 ISCON Elegance/ Ochek Capsule 10  
 1 md / complete probiotics platinum  
 Nutrition Essentials / Probiotic (900 BCFU)  
 OMNI-BIOTIC®/ 10 AAD  
 up4 /women's  
 young living/life 9  
 Bromatech (IT) / Adomelle  
 mwsb / candida yeast support  
 microbiome labs/ megasporebiotic  
 optibac / bifidobacteria & fibre

klaire labs / biospora  
SuperSmart / Derma Relief  
fairvital / microflora basic  
Energybalance / ColoBiotica 28 Colon Support  
MegaFood / MegaFlora  
microbiome labs / hu58  
Invivo / Bio.Me Femme UT  
perfect pass / perfect pass probiotic bacillus spore  
NaturalPharma / Profit Probiotics  
newrhythm / probiotics 20 stains  
blackmores (au) / probiotics + adults daily (90 capsules)  
Lake Avenue Nutrition / Probiotics 10 Strain Blend  
Windlove Probiotics / Ecologic@825  
ASEA VIA / BIOME  
HLH BIOPHARMA(DE) / LACTOBACT ® METABOLIC  
jarro formula / jarro-dophilus original  
aor / probiotic-3  
vitamin angels / just thrive  
nature's way (au) / restore probiotic daily health 90s  
HLH BIOPHARMA(DE) / LACTOBACT ® PREMIUM  
SuperSmart / Candalb  
custom probiotics / four strain lactobacilli  
naturopathica (au) / gastrohealth probiotic ultimate daily care 100billion  
udo's choice / super 8 gold  
microbiome labs / restorflora  
zint nutrition / probiotic collagen +  
Smidge / Sensitive Probiotic  
Krauterhaus / Lactopro  
LiveWell Nutrition / Pro-45  
Metabolics / Lactobacillus Plantarum Powder  
spain (es) / vivomixx  
Advanced Bio-Cultures / Advance Multi Strain Probiotics  
INVIVO THERAPEUTICS / Bio.Me IB +  
elixa / probiotic  
Ombre / Ultimate Immunity  
bioray / cytoflora  
renew life / ultimate flora  
up4 / ultra  
optibac / for your cholesterol  
spain (es) / I3.1  
renew life men's probiotic - ultimate  
ferring / vsl#3  
Resbiotic / resB® Lung Support  
SuperSmart / Full Spectrum Probiotic Formula  
jarro formulas / jarro-dophilus eps  
naturopathica (au) / gastrohealth fibrepro  
blackmore (au) / probiotics+ eczema relief  
7 AM Ultra Probiotics  
quantum wellness / restora flora  
Jetson / FIT  
Seeking Health / Probiota HistaminX  
optibac / for every day  
Prescript-Assist®/SBO Probiotic  
Thryve Inside/ L.Reu,Rham,Casi; B.Lactis  
vita miracle / ultra-30 probiotics  
jarro formula / ideal bowel support® lp299v®  
HLH BIOPHARMA(DE) / LACTOBACT ® 60PLUS  
visbiome

fürstenmed / lacto-bifido  
Swiss BioEnergetics / Full Spectrum Probiotic Defence  
ProbioMax® Daily DF  
SuperSmart / Lactobacillus Plantarum Postbiotic (Pasturized)  
organic 3 / primal soil  
SuperSmart / Bacillus Subtilis  
bioglan bio (au) / happy probiotic 100  
SuperSmart / Lactoxira  
douglas laboratories / multi probiotic 40 billion  
Ombre / Mood Enhancer  
BIO-BOTANICAL RESEARCH / Megacidin  
reserveage nutrition / beautiflora  
amy meyers / primal earth probiotic  
Jetson / Gut Prep  
up4 / adult

**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.

(-) -levobunolol hydrochloride,(prescription)	isosorbide dinitrate,(prescription)
(-) -emtricitabine,(prescription)	isosorbide mononitrate,(prescription)
(-) -eseroline fumarate salt,(prescription)	isotretinoin,(prescription)
(-) -isoproterenol hydrochloride,(prescription)	isoxicam,(prescription)
(-) -mk 801 hydrogen maleate,(prescription)	isoxsuprine hydrochloride,(prescription)
(+) -levobunolol hydrochloride,(prescription)	isradipine,(prescription)
(+) -isoproterenol (+) -bitartrate salt,(prescription)	itopride,(prescription)
(+;-) -octopamine hydrochloride,(prescription)	itraconazole,(prescription)
(+;-) -synephrine,(prescription)	ivermectin,(prescription)
(r) -naproxen sodium salt,(prescription)	ketanserine tartrate hydrate,(prescription)
(r)(+) -atenolol,(prescription)	ketoconazole,(prescription)
(r) -propranolol hydrochloride,(prescription)	ketoprofen,(prescription)
(s)(-) -atenolol,(prescription)	ketorolac tromethamine,(prescription)
(s)(-) -cycloserine (antibiotic)	ketotifen fumarate,(prescription)
(s) -propranolol hydrochloride,(prescription)	khellin non-drug
2-aminobenzenesulfonamide (antibiotic)	l(-) -vesamicol hydrochloride non-drug
2-chloropyrazine non-drug	labetalol hydrochloride,(prescription)
3-alpha-hydroxy-5-beta-androstan-17-one,(prescription)	lacidipine,(prescription)
4-aminosalicylic acid (antibiotic)	lamivudine,(prescription)
6-furfurylamino purine non-drug	lamotrigine,(prescription)
abacavir sulfate,(prescription)	lanatoside c,(prescription)
acamprosate calcium,(prescription)	lansoprazole,(prescription)
acebutolol hydrochloride,(prescription)	leflunomide,(prescription)
acedidine hydrochloride,(prescription)	letrozole,(prescription)
acedofenac,(prescription)	levalbuterol hydrochloride,(prescription)
acefylline,(prescription)	levamisole hydrochloride,(prescription)
acemetacin,(prescription)	levetiracetam,(prescription)
acencoumarol,(prescription)	levocabastine hydrochloride,(prescription)
acetaminophen,(prescription) Paracetamol in UK	levodopa,(prescription)
acetazolamide,(prescription)	levonordefrin,(prescription)
acetohexamide,(prescription)	levopropoxyphene napsylate non-drug
acetopromazine maleate salt,(prescription)	lidocaine hydrochloride,(prescription)
acetylsalicylic acid non-drug	lidoflazine,(prescription)
acipimox,(prescription)	liothyronine,(prescription)
acitretin,(prescription)	liranaftate,(prescription)
acyclovir,(prescription)	lisinopril,(prescription)
adamantamine fumarate,(prescription)	lithocholic acid non-drug
adenosine 5` -monophosphate monohydrate non-drug	lofexidine,(prescription)
adiphenine hydrochloride,(prescription)	loperamide hydrochloride,(prescription)
adrenosterone,(prescription)	loratadine,(prescription)
albendazole,(prescription)	lorglumide sodium salt non-drug
aldometasone dipropionate,(prescription)	losartan,(prescription)
alcuronium chloride,(prescription)	lovastatin,(prescription)
alendronate sodium,(prescription)	loxapine succinate,(prescription)
alfacalcidol,(prescription)	luteolin (flavonoid)
alfadolone acetate,(prescription)	lymecycline (antibiotic)[CFS]
alfaxalone,(prescription)	lynestrenol,(prescription)
alfuzosin hydrochloride,(prescription)	mafenide hydrochloride (antibiotic)
alizapride hcl,(prescription)	maprotiline hydrochloride,(prescription)
allantoin non-drug	mebendazole,(prescription)

allopurinol,(prescription)  
 alprenolol hydrochloride,(prescription)  
 alprostadiil,(prescription)  
 althiazide,(prescription)  
 altretamine,(prescription)  
 alverine citrate salt,(prescription)  
 ambrisentan,(prescription)  
 ambroxol hydrochloride,(prescription)  
 amcinonide,(prescription)  
 amethopterin (r;s),(prescription)  
 amfepramone hydrochloride,(prescription)  
 amidopyrine,(prescription)  
 amifostine,(prescription)  
 amiloride hydrochloride dihydrate,(prescription)  
 aminocaproic acid,(prescription)  
 aminohippuric acid,(prescription)  
 aminophylline,(prescription)  
 aminopurine; 6-benzyl non-drug  
 amiodarone hydrochloride,(prescription)  
 amiprilose hydrochloride non-drug  
 amisulpride,(prescription)  
 amitryptiline hydrochloride,(prescription)  
 amlodipine,(prescription)  
 amodiaquin dihydrochloride dihydrate,(prescription)  
 amoxapine,(prescription)  
 amoxicillin (antibiotic)s[CFS]  
 amphotericin b,(prescription)  
 amprolium hydrochloride,(prescription)  
 ampyrone non-drug  
 amrinone,(prescription)  
 amyleine hydrochloride,(prescription)  
 anastrozole,(prescription)  
 androsterone,(prescription)  
 anethole-trithione,(prescription)  
 aniracetam,(prescription)  
 antazoline hydrochloride,(prescription)  
 anthralin,(prescription)  
 antimycin a,(prescription)  
 antipyrine,(prescription)  
 antipyrine; 4-hydroxy non-drug  
 apramycin (antibiotic)s  
 aprepitant,(prescription)  
 Arbutin (polyphenol)  
 argatroban,(prescription)  
 aripiprazole,(prescription)  
 artemisinin,(prescription)  
 articaïne hydrochloride,(prescription)  
 asenapine maleate,(prescription)  
 astemizole,(prescription)  
 atorvastatin (prescription)  
 atovaquone,(prescription)  
 atractyloside potassium salt non-drug  
 atracurium besylate,(prescription)  
 atropine sulfate monohydrate,(prescription)  
 avermectin b1a,(prescription)  
 azacyclonol,(prescription)  
 azacytidine-5,(prescription)  
 azaguanine-8,(prescription)  
 mebeverine hydrochloride,(prescription)  
 mebhydroline 1;5-naphtalenedisulfonate,(prescription)  
 mecamlamine hydrochloride,(prescription)  
 meclofenamic acid sodium salt monohydrate,(prescription)  
 meclofenoxate hydrochloride,(prescription)  
 meclozine dihydrochloride,(prescription)  
 medrysone,(prescription)  
 mefenamic acid,(prescription)  
 mefexamide hydrochloride,(prescription)  
 mefloquine hydrochloride,(prescription)  
 meggestrol acetate,(prescription)  
 meglumine,(prescription)  
 melatonin supplement  
 melengestrol acetate non-drug  
 meloxicam,(prescription)  
 memantine hydrochloride,(prescription)  
 mepenzolate bromide,(prescription)  
 mephenesin,(prescription)  
 mephentermine hemisulfate,(prescription)  
 mephenytoin,(prescription)  
 mepivacaine hydrochloride,(prescription)  
 meprylcaine hydrochloride,(prescription)  
 meptazinol hydrochloride,(prescription)  
 mercaptopurine,(prescription)  
 mesalamine,(prescription)  
 mesna,(prescription)  
 mesoridazine besylate,(prescription)  
 metaproterenol sulfate; orciprenaline sulfate,(prescription)  
 metamaminol bitartrate,(prescription)  
 metergoline,(prescription)  
 methacholine chloride,(prescription)  
 methantheline bromide,(prescription)  
 methapyrilene hydrochloride,(prescription)  
 methazolamide,(prescription)  
 methenamine (antibiotic)  
 methiazole,(prescription)  
 methimazole,(prescription)  
 methiothepin maleate,(prescription)  
 methocarbamol,(prescription)  
 methotrexate,(prescription)  
 methotrimeprazine maleat salt,(prescription)  
 methoxamine hydrochloride,(prescription)  
 methylatropine nitrate,(prescription)  
 methyldopa (l;-),(prescription)  
 methyldopate hydrochloride,(prescription)  
 methylergometrine maleate,(prescription)  
 methylhydantoin-5-(d) non-drug  
 methylhydantoin-5-(l) non-drug  
 methylprednisolone; 6-alpha,(prescription)  
 meticrane,(prescription)  
 metixene hydrochloride,(prescription)  
 metoclopramide monohydrochloride,(prescription)  
 metolazone,(prescription)  
 metoprolol-(+;-) (+)-tartrate salt,(prescription)  
 metrizamide,(prescription)  
 metyrapone,(prescription)  
 mevalonic-d; l acid lactone non-drug  
 mevastatin,(prescription)



azaperone,(prescription)  
 azapropazone,(prescription)  
 azathioprine,(prescription)  
 azelastine hcl,(prescription)  
 bacitracin (antibiotic)  
 baclofen (r,s),(prescription)  
 balsalazide sodium,(prescription)  
 bambuterol hydrochloride,(prescription)  
 beclomethasone dipropionate,(prescription)  
 bemegride,(prescription)  
 benazepril hcl,(prescription)  
 bendroflumethiazide,(prescription)  
 benfluorex hydrochloride,(prescription)  
 benfotiamine,(prescription)  
 benoxinate hydrochloride,(prescription)  
 benperidol,(prescription)  
 benserazide hydrochloride non-drug  
 benzamil hydrochloride,(prescription)  
 benzocaine,(prescription)  
 benzonatate,(prescription)  
 benzthiazide,(prescription)  
 benztropine mesylate,(prescription)  
 benzydamine hydrochloride,(prescription)  
 bethovenium hydroxynaphthoate,(prescription)  
 bepridil hydrochloride,(prescription)  
 beta-escin non-drug  
 betahistine mesylate,(prescription)  
 betamethasone,(prescription)  
 betaxolol hydrochloride,(prescription)  
 betazole hydrochloride,(prescription)  
 bethanechol chloride,(prescription)  
 bezafibrate,(prescription)  
 bicalutamide,(prescription)  
 bifidobacterium pseudocatenulatum li09,bifidobacterium  
 catenulatum li10 (probiotics)  
 bifonazole,(prescription)  
 biperiden hydrochloride,(prescription)  
 bisacodyl,(prescription)  
 bisoprolol fumarate,(prescription)  
 bosentan,(prescription)  
 bretylium tosylate,(prescription)  
 brinzolamide,(prescription)  
 bromhexine hydrochloride,(prescription)  
 bromocryptine mesylate,(prescription)  
 bromopride,(prescription)  
 bromperidol,(prescription)  
 brompheniramine maleate,(prescription)  
 budadesine sodium salt,(prescription)  
 budesonide,(prescription)  
 bufexamac,(prescription)  
 buflomedil hydrochloride,(prescription)  
 bumetanide,(prescription)  
 bupivacaine hydrochloride,(prescription)  
 bupropion hydrochloride,(prescription)  
 buspirone hydrochloride,(prescription)  
 busulfan,(prescription)  
 butacaine,(prescription)  
 butalbital,(prescription)  
 mexiletine hydrochloride,(prescription)  
 mianserine hydrochloride,(prescription)  
 miconazole,(prescription)  
 midodrine hydrochloride,(prescription)  
 mifepristone,(prescription)  
 miglitol,(prescription)  
 milrinone,(prescription)  
 minaprine dihydrochloride,(prescription)  
 minoxidil,(prescription)  
 mirtazapine,(prescription)  
 misoprostol,(prescription)  
 mitotane,(prescription)  
 mizolastine,(prescription)  
 moclobemide,(prescription)  
 modafinil,(prescription)  
 molindone hydrochloride,(prescription)  
 molsidomine,(prescription)  
 mometasone furoate,(prescription)  
 monobenzene,(prescription)  
 montelukast,(prescription)  
 morantel tartrate,(prescription)  
 moricizine hydrochloride,(prescription)  
 moroxidine hydrochloride,(prescription)  
 morpholinoethylamino-3-benzocyclohepta-(5;6-c)-pyridazine  
 dihydrochloride non-drug  
 moxislyte hydrochloride,(prescription)  
 moxonidine,(prescription)  
 n6-methyladenosine non-drug  
 nabumetone,(prescription)  
 N-Acetyl Cysteine (NAC),  
 n-acetyl-dl-homocysteine thiolactone,(prescription)  
 n-acetyl-H-leucine,(prescription)  
 nadide non-drug  
 nadolol,(prescription)  
 nafronyl oxalate,(prescription)  
 naftifine hydrochloride,(prescription)  
 naftopidil dihydrochloride,(prescription)  
 nalbuphine hydrochloride,(prescription)  
 nalidixic acid sodium salt (antibiotic)  
 nalmefene hydrochloride,(prescription)  
 naloxone hydrochloride,(prescription)  
 naltrexone hydrochloride dihydrate,(prescription)  
 nandrolone,(prescription)  
 naphazoline hydrochloride,(prescription)  
 naproxen,(prescription)  
 nefazodone hcl,(prescription)  
 nefopam hydrochloride,(prescription)  
 neomycin (antibiotic)s[CFS]  
 neostigmine bromide,(prescription)  
 nialamide,(prescription)  
 nicardipine hydrochloride,(prescription)  
 nicergoline,(prescription)  
 nicorandil,(prescription)  
 nicotinamide,(prescription)  
 nifedipine,(prescription)  
 nifenazone,(prescription)  
 niflumic acid,(prescription)  
 nilutamide,(prescription)

butamben,(prescription)  
 butenafine hydrochloride,(prescription)  
 butoconazole nitrate,(prescription)  
 butylparaben non-drug  
 butylscopolammonium (n-) bromide,(prescription)  
 Caffeine  
 calcipotriene,(prescription)  
 camptothecine (s;+) non-drug  
 camylofine chlorhydrate,(prescription)  
 candesartan,(prescription)  
 canrenoic acid potassium salt,(prescription)  
 canrenone,(prescription)  
 captopril,(prescription)  
 carbachol,(prescription)  
 carbamazepine,(prescription)  
 carbarsone non-drug  
 carbenoxolone disodium salt,(prescription)  
 carbetapentane citrate,(prescription)  
 carbidopa non-drug  
 carbimazole,(prescription)  
 carbinoxamine maleate salt,(prescription)  
 carisoprodol,(prescription)  
 carprofen,(prescription)  
 carteolol hydrochloride,(prescription)  
 carvedilol,(prescription)  
 catharanthine,(prescription)  
 cefaclor hydrate (antibiotic)  
 cefadroxil (antibiotic)  
 cefixime (antibiotic)  
 cefsulodin sodium salt (antibiotic)  
 celecoxib,(prescription)  
 celiprolol hcl,(prescription)  
 cephalosporanic acid; 7-amino (antibiotic)  
 cetirizine dihydrochloride,(prescription)  
 chenodiol,(prescription)  
 chlorambucil,(prescription)  
 chloramphenicol (antibiotic)s  
 chlorcyclizine hydrochloride,(prescription)  
 chlormadinone acetate,(prescription)  
 chlormezanone,(prescription)  
 chloropyramine hydrochloride,(prescription)  
 chloroquine diphosphate,(prescription)[CFS]  
 chlorothiazide,(prescription)  
 chlorotrianisene,(prescription)  
 chlorpheniramine maleate,(prescription)  
 chlorphensin carbamate,(prescription)  
 chlorpromazine hydrochloride,(prescription)  
 chlorpropamide,(prescription)  
 chlorprothixene hydrochloride,(prescription)  
 chlorthalidone,(prescription)  
 chlorzoxazone,(prescription)  
 ciclopirox ethanolamine,(prescription)  
 cilnidipine,(prescription)  
 cilostazol,(prescription)  
 cimetidine,(prescription)  
 cinnarizine,(prescription)  
 cinoxacin (antibiotic)  
 ciprofibrate,(prescription)  
 nilvadipine,(prescription)  
 nimesulide,(prescription)  
 nimodipine,(prescription)  
 nisoldipine,(prescription)  
 nisoxetine hydrochloride non-drug  
 nitrendipine,(prescription)  
 nitrocaramiphen hydrochloride non-drug  
 nitrofurantoin (antibiotic)  
 nizatidine,(prescription)  
 nocodazole,(prescription)  
 nomegestrol acetate,(prescription)  
 nomifensine maleate,(prescription)  
 norcyclobenzaprine,(prescription)  
 norethindrone,(prescription)  
 norethynodrel,(prescription)  
 norgestimate,(prescription)  
 norgestrel(-)-d,(prescription)  
 nortriptyline hydrochloride,(prescription)  
 nyldrin,(prescription)  
 nystatine,(prescription)  
 ofloxacin (antibiotic)s  
 olanzapine,(prescription)  
 olmesartan,(prescription)  
 olopatadine hydrochloride,(prescription)  
 omeprazole,(prescription)  
 ondansetron hydrochloride,(prescription)  
 opipramol dihydrochloride,(prescription)  
 orphenadrine hydrochloride,(prescription)  
 oxalamine citrate salt,(prescription)  
 oxandrolone,(prescription)  
 oxantel pamoate,(prescription)  
 oxaprozin,(prescription)  
 oxcarbazepine,(prescription)  
 oxethazaine,(prescription)  
 oxfendazol,(prescription)  
 oxibendazol,(prescription)  
 oxiconazole nitrate,(prescription)  
 oxolinic acid (antibiotic)  
 oxprenolol hydrochloride,(prescription)  
 oxybenzone non-drug  
 oxybutynin chloride,(prescription)  
 oxymetazoline hydrochloride,(prescription)  
 oxyphenbutazone,(prescription)  
 ozagrel hydrochloride,(prescription)  
 paclitaxel,(prescription)  
 pancuronium bromide,(prescription)  
 panthenol (d),(prescription)  
 papaverine hydrochloride,(prescription)  
 parbendazole,(prescription)  
 pargyline hydrochloride,(prescription)  
 paromomycin (antibiotic)s  
 paroxetine hydrochloride,(prescription)  
 parthenolide non-drug  
 pefloxacin (antibiotic)  
 pemirolast potassium,(prescription)  
 pempidine tartrate,(prescription)  
 penbutolol sulfate,(prescription)  
 penciclovir,(prescription)

cisapride,(prescription)  
 citalopram hydrobromide,(prescription)  
 cladribine,(prescription)  
 clavulanate potassium salt (antibiotic)  
 clebopride maleate,(prescription)  
 clemastine fumarate,(prescription)  
 clemizole hydrochloride,(prescription)  
 clenbuterol hydrochloride,(prescription)  
 didinium bromide,(prescription)  
 clindamycin (antibiotic)s[CFS]  
 dioquinol,(prescription)  
 clobetasol propionate,(prescription)  
 clobutinol hydrochloride,(prescription)  
 clocortolone pivalate,(prescription)  
 clodronate,(prescription)  
 clofibrate,(prescription)  
 clofibric acid non-drug  
 clofillium tosylate,(prescription)  
 domiphen citrate (z;e),(prescription)  
 domipramine hydrochloride,(prescription)  
 clonidine hydrochloride,(prescription)  
 clonixin lysinate,(prescription)  
 clopamide,(prescription)  
 cloperastine hydrochloride,(prescription)  
 clorgyline hydrochloride,(prescription)  
 clorsulon,(prescription)  
 clozapine,(prescription)  
 colchicine,(prescription)  
 colistin sulfate (antibiotic)  
 corticosterone non-drug  
 cortisol acetate,(prescription)  
 cortisone,(prescription)  
 cromolyn disodium salt,(prescription)  
 crotamiton,(prescription)  
 cyclizine hydrochloride,(prescription)  
 cyclobenzaprine hydrochloride,(prescription)  
 cycloheximide non-drug  
 cyclopenthiazine,(prescription)  
 cyclopentolate hydrochloride,(prescription)  
 cyclophosphamide,(prescription)  
 cyclosporin a,(prescription)  
 cyproheptadine hydrochloride,(prescription)  
 cyproterone acetate,(prescription)  
 cytarabine,(prescription)  
 dacarbazine,(prescription)  
 danazol,(prescription)  
 dantrolene sodium salt,(prescription)  
 dapsone (antibiotic)[CFS]  
 darifenacin hydrobromide,(prescription)  
 d-cycloserine (antibiotic)  
 debrisoquin sulfate,(prescription)  
 decamethonium bromide,(prescription)  
 deferoxamine mesylate,(prescription)  
 deflazacort,(prescription)  
 dehydrocholic acid non-drug  
 dehydroisoandrosterone 3-acetate,(prescription)  
 demecarium bromide,(prescription)  
 denatonium benzoate non-drug  
 penicillamine,(prescription)  
 pentetic acid non-drug  
 pentobarbital,(prescription)  
 pentolinium bitartrate,(prescription)  
 pentoxifylline,(prescription)  
 pentylenetetrazole,(prescription)  
 pepstatin a non-drug  
 pergolide mesylate,(prescription)  
 perhexiline maleate,(prescription)  
 perindopril,(prescription)  
 perphenazine,(prescription)  
 phenacetin,(prescription)  
 phenazopyridine hydrochloride,(prescription)  
 phenelzine sulfate,(prescription)  
 phenformin hydrochloride,(prescription)  
 phenindione,(prescription)  
 pheniramine maleate,(prescription)  
 phenoxybenzamine hydrochloride,(prescription)  
 phensuximide,(prescription)  
 phentermine hydrochloride,(prescription)  
 phentolamine hydrochloride,(prescription)  
 phenylbutazone,(prescription)  
 phenylpropanolamine hydrochloride,(prescription)  
 phthalylsulfathiazole (antibiotic)  
 picotamide monohydrate,(prescription)  
 picrotoxinin non-drug  
 pilocarpine nitrate,(prescription)  
 pimethixene maleate,(prescription)  
 pimozone,(prescription)  
 pinacidil,(prescription)  
 pinaverium bromide,(prescription)  
 pindolol,(prescription)  
 pioglitazone,(prescription)  
 pipemidic acid (antibiotic)  
 pipenzolate bromide,(prescription)  
 piperacetazine non-drug  
 piperidolate hydrochloride,(prescription)  
 pirenperone non-drug  
 pirenzepine dihydrochloride,(prescription)  
 piretanide,(prescription)  
 piribedil hydrochloride,(prescription)  
 pirlindole mesylate,(prescription)  
 piromidic acid (antibiotic)  
 piroxicam,(prescription)  
 pivampicillin (antibiotic)  
 pivmecillinam hydrochloride (antibiotic)  
 pizotifen malate,(prescription)  
 podophyllotoxin,(prescription)  
 practolol,(prescription)  
 pralidoxime chloride,(prescription)  
 pramipexole,(prescription)  
 pramoxine hydrochloride,(prescription)  
 pranlukast,(prescription)  
 pranoprofen,(prescription)  
 pravastatin,(prescription)  
 praziquantel,(prescription)  
 prazosin hydrochloride,(prescription)  
 prednicarbate,(prescription)

deoxycorticosterone,(prescription)	prednisolone,(prescription)
depropine citrate,(prescription)	prednisone,(prescription)
desipramine hydrochloride,(prescription)	pregnenolone non-drug
desloratadine,(prescription)	prenylamine lactate,(prescription)
dexamethasone acetate,(prescription)	pridinol methanesulfonate salt,(prescription)
dexfenfluramine hydrochloride,(prescription)	prilocaine hydrochloride,(prescription)
dextromethorphan hydrobromide monohydrate,(prescription)	primaquine diphosphate,(prescription)
diazoxide,(prescription)	primidone,(prescription)
dibenzepine hydrochloride,(prescription)	proadifen hydrochloride non-drug
dibucaine,(prescription)	probenecid,(prescription)
dichlorphenamide,(prescription)	probucol,(prescription)
didazuril,(prescription)	procainamide hydrochloride,(prescription)
didofenac sodium,(prescription)	procaine hydrochloride,(prescription)
dicumarol,(prescription)	procarbazine hydrochloride,(prescription)
dicyclomine hydrochloride,(prescription)	prochlorperazine dimaleate,(prescription)
didanosine,(prescription)	procyclidine hydrochloride,(prescription)
diethylcarbamazine citrate,(prescription)	progesterone,(prescription)
diethylstilbestrol,(prescription)	proglumide,(prescription)
diflorasone diacetate,(prescription)	proguanil hydrochloride,(prescription)
diflunisal,(prescription)	promazine hydrochloride,(prescription)
digtoxinigenin,(prescription)	promethazine hydrochloride,(prescription)
digoxigenin non-drug	pronethalol hydrochloride non-drug
digoxin,(prescription)	propafenone hydrochloride,(prescription)
dihydroergotamine tartrate,(prescription)	propantheline bromide,(prescription)
dihydrostreptomycin sulfate (antibiotic)	proparacaine hydrochloride,(prescription)
dilazep dihydrochloride,(prescription)	propidium iodide non-drug
diloxanide furoate,(prescription)	propofol,(prescription)
diltiazem hydrochloride,(prescription)	propoxycaine hydrochloride,(prescription)
dimaprit dihydrochloride non-drug	propylthiouracil,(prescription)
dimenhydrinate,(prescription)	proscillaridin a,(prescription)
dimethadione,(prescription)	prothionamide (antibiotic)
dimethisoquin hydrochloride,(prescription)	protriptyline hydrochloride,(prescription)
dinoprost trometamol,(prescription)	pyrantel tartrate,(prescription)
diosmin,(polyphenol)	pyrazinamide (antibiotic)
dioxybenzone non-drug	pyridostigmine iodide,(prescription)
diperodon hydrochloride non-drug	pyrilamine maleate,(prescription)
diphemanil methylsulfate,(prescription)	pyrithydione,(prescription)
diphenhydramine hydrochloride,(prescription)	quetiapine hemifumarate,(prescription)
diphenidol hydrochloride,(prescription)	quinacrine dihydrochloride dihydrate,(prescription)
diphenylpyraline hydrochloride,(prescription)	quinapril hcl,(prescription)
dipivefrin hydrochloride,(prescription)	quinethazone,(prescription)
diprophylline,(prescription)	quinidine hydrochloride monohydrate,(prescription)
dipyridamole,(prescription)	quipazine dimaleate salt non-drug
dipyronone,(prescription)	r(-) apomorphine hydrochloride hemihydrate,(prescription)
disopyramide,(prescription)	rabeprazole sodium salt,(prescription)
disulfiram,(prescription)	racecadotril,(prescription)
dizocilpine maleate,(prescription)	racepinephrine hcl,(prescription)
do 897/99 non-drug	Racetams
dobutamine hydrochloride,(prescription)	raclopride non-drug
docetaxel,(prescription)	raloxifene hydrochloride,(prescription)
dolasetron mesilate,(prescription)	ramipril,(prescription)
domperidone,(prescription)	ranitidine hydrochloride,(prescription)
dopamine (prescription)	ranolazine,(prescription)
dorzolamide hydrochloride,(prescription)	rebamipide,(prescription)
dosulepin hydrochloride,(prescription)	reboxetine mesylate,(prescription)
doxazosin mesylate,(prescription)	remoxipride hydrochloride,(prescription)
doxepin hydrochloride,(prescription)	repaglinide,(prescription)
doxofylline,(prescription)	reserpine,(prescription)

doxylamine succinate,(prescription)	retinoic acid,(Vitamin A derivative)
drofenine hydrochloride,(prescription)	ribavirin,(prescription)
droperidol,(prescription)	ribostamycin sulfate salt (antibiotic)
dropropizine (r,s),(prescription)	rifampicin (antibiotic)s
dyclonine hydrochloride,(prescription)	riluzole hydrochloride,(prescription)
dydrogesterone,(prescription)	rimantadine hydrochloride,(prescription)
ebumamonine (-),(prescription)	rimexolone,(prescription)
econazole nitrate,(prescription)	risperidone,(prescription)
edrophonium chloride,(prescription)	ritodrine hydrochloride,(prescription)
efavirenz,(prescription)	rivastigmine,(prescription)
emedastine,(prescription)	rofecoxib,(prescription)
enalapril maleate,(prescription)	rolipram non-drug
enilconazole,(prescription)	ropinirole hcl,(prescription)
enoxacin (antibiotic)	rosiglitazone hydrochloride,(prescription)
entacapone,(prescription)	roxatidine acetate hcl,(prescription)
epiandrosterone,(prescription)	s(-)etidopride hydrochloride non-drug
epirizole,(prescription)	salbutamol,(prescription)
epitiostanol,(prescription)	salmeterol,(prescription)
equilin,(prescription)	saquinavir mesylate,(prescription)
erlotinib,(prescription)	scopolamine hydrochloride,(prescription)
escitalopram,(prescription)	scopolamin-n-oxide hydrobromide,(prescription)
eserine hemisulfate salt,(prescription)	selegiline hydrochloride,(prescription)
esmolol hydrochloride,(prescription)	serotonin hydrochloride non-drug
estradiol valerate,(prescription)	sertaconazole nitrate,(prescription)
estradiol-17 beta,(prescription)	sertindole,(prescription)
estriol,(prescription)	sertraline,(prescription)
estrone,(prescription)	sibutramine hcl,(prescription)
estropipate,(prescription)	sildenafil,(prescription)
etanidazole,(prescription)	simvastatin,(prescription)
ethacrynic acid,(prescription)	sisomicin sulfate (antibiotic)
ethambutol dihydrochloride (antibiotic)	sotalol hydrochloride,(prescription)
ethamivan,(prescription)	spaglumic acid,(prescription)
ethamsylate,(prescription)	spectinomycin dihydrochloride (antibiotic)
ethaverine hydrochloride,(prescription)	spiperone,(prescription)
ethinylestradiol,(prescription)	spironolactone,(prescription)
ethionamide (antibiotic)	stanozolol,(prescription)
ethisterone,(prescription)	stavudine,(prescription)
ethopropazine hydrochloride,(prescription)	streptomycin (antibiotic)s
ethosuximide,(prescription)	streptozotocin,(prescription)
ethotoin,(prescription)	succinylsulfathiazole (antibiotic)
ethoxyquin non-drug	sulbactam (antibiotic)
ethynodiol diacetate,(prescription)	sulconazole nitrate,(prescription)
ethynylestradiol 3-methyl ether,(prescription)	sulfabenzamide
etidronic acid; disodium salt,(prescription)	sulfacetamide sodic hydrate (antibiotic)
etifenin,(prescription)	sulfachloropyridazine,(prescription)
etilefrine hydrochloride,(prescription)	sulfadiazine (antibiotic)
etodolac,(prescription)	sulfadimethoxine (antibiotic)
etofenamate,(prescription)	sulfadoxine,(prescription)
etofylline,(prescription)	sulfaguanidine (antibiotic)
etomidate,(prescription)	sulfamerazine (antibiotic)
etoposide,(prescription)	sulfameter (antibiotic)
etoricoxib,(prescription)	sulfamethazine sodium salt (antibiotic)
etretinate,(prescription)	sulfamethizole (antibiotic)
eucatropine hydrochloride non-drug	sulfamethoxazole (antibiotic)
exemestane,(prescription)	sulfamethoxypyridazine (antibiotic)
fadrozole hydrochloride,(prescription)	sulfamonomethoxine,(prescription)
famciclovir,(prescription)	sulfanilamide (antibiotic)
famotidine,(prescription)	sulfaphenazole (antibiotic)

famprofazone,(prescription)  
 felbinac,(prescription)  
 felodipine,(prescription)  
 fenbendazole,(prescription)  
 fenbufen,(prescription)  
 fendiline hydrochloride,(prescription)  
 fenipentol,(prescription)  
 fenofibrate,(prescription)  
 fenoprofen calcium salt dihydrate,(prescription)  
 fenoterol hydrobromide,(prescription)  
 fenspiride hydrochloride,(prescription)  
 fentiazac,(prescription)  
 fexofenadine hcl,(prescription)  
 finasteride,(prescription)  
 fipexide hydrochloride,(prescription)  
 flavoxate hydrochloride,(prescription)  
 flecainide acetate,(prescription)  
 fleroxacin (antibiotic)  
 floxuridine,(prescription)  
 flubendazol,(prescription)  
 fluconazole,(prescription)  
 flucytosine,(prescription)  
 fludarabine,(prescription)  
 fludrocortisone acetate,(prescription)  
 flufenamic acid,(prescription)  
 flumequine (antibiotic)  
 flumethasone,(prescription)  
 flunarizine dihydrochloride,(prescription)  
 flunisolide,(prescription)  
 flunixin meglumine,(prescription)  
 fluocinolone acetonide,(prescription)  
 fluocinonide,(prescription)  
 fluorometholone,(prescription)  
 fluoxetine hydrochloride,(prescription)  
 fluphenazine dihydrochloride,(prescription)  
 flurandrenolide,(prescription)  
 flurbiprofen,(prescription)  
 fluspirilen,(prescription)  
 flutamide,(prescription)  
 fluticasone propionate,(prescription)  
 fluvastatin sodium salt,(prescription)  
 fluvoxamine maleate,(prescription)  
 folinic acid calcium salt,(prescription)  
 fomepizole,(prescription)  
 formestane,(prescription)  
 formoterol fumarate,(prescription)  
 fosfosal,(prescription)  
 fosinopril,(prescription)  
 fulvestrant,(prescription)  
 furosemide,(prescription)  
 fursultiamine hydrochloride non-drug  
 gabapentin,(prescription)  
 gabazine bromide non-drug  
 gabexate mesilate non-drug  
 galanthamine hydrobromide,(prescription)  
 gallamine triethiodide,(prescription)  
 ganciclovir,(prescription)  
 gbr 12909 dihydrochloride,(prescription)  
 sulfapyridine (antibiotic)  
 sulfaquinoxaline sodium salt,(prescription)  
 sulfasalazine,(prescription)  
 sulfathiazole (antibiotic)  
 sulfinpyrazone,(prescription)  
 sulfisoxazole (antibiotic)  
 sulindac,(prescription)  
 sulmazole non-drug  
 suloctidil,(prescription)  
 sulphiride,(prescription)  
 sumatriptan succinate,(prescription)  
 suprofen,(prescription)  
 suxibuzone,(prescription)  
 tacrine hydrochloride,(prescription)  
 tamoxifen citrate,(prescription)  
 tazobactam (antibiotic)  
 tea  
 telenzepine dihydrochloride,(prescription)  
 telmisartan,(prescription)  
 temozolomide,(prescription)  
 tenatoprazole non-drug  
 tenoxicam,(prescription)  
 terazosin hydrochloride,(prescription)  
 terbutaline hemisulfate,(prescription)  
 terconazole,(prescription)  
 terfenadine,(prescription)  
 testosterone propionate,(prescription)  
 tetracaine hydrochloride,(prescription)  
 tetraethylenepentamine pentahydrochloride non-drug  
 tetrahydroxy-1;4-quinone monohydrate non-drug  
 tetrahydrozoline hydrochloride,(prescription)  
 tetramisole hydrochloride,(prescription)  
 thalidomide,(prescription)  
 Theobromine (in food)  
 theophylline monohydrate,(prescription)  
 thiethylperazine dimalate,(prescription)  
 thicolchicoside,(prescription)  
 thioguanosine,(prescription)  
 thioperamide maleate non-drug  
 thioproperazine dimesylate,(prescription)  
 thioridazine hydrochloride,(prescription)  
 thiorphan,(prescription)  
 thip hydrochloride non-drug  
 thyroxine (I),(prescription)  
 tiabendazole,(prescription)  
 tiapride hydrochloride,(prescription)  
 tiaprofenic acid,(prescription)  
 tibolone,(prescription)  
 ticlopidine hydrochloride,(prescription)  
 tiletamine hydrochloride,(prescription)  
 timolol maleate salt,(prescription)  
 tioconazole,(prescription)  
 tiratricol, 3,3',5-triiodothyroacetic acid,(prescription)  
 tizanidine hcl,(prescription)  
 tobramycin (antibiotic)  
 tocainide hydrochloride,(prescription)  
 todralazine hydrochloride non-drug  
 tolazamide,(prescription)

gefitinib,(prescription)  
 gemcitabine,(prescription)  
 gemfibrozil,(prescription)  
 gentamicin (antibiotic)s  
 gestrinone,(prescription)  
 glafenine hydrochloride,(prescription)  
 glibenclamide,(prescription)  
 gliclazide,(prescription)  
 glimepiride,(prescription)  
 glipezide,(prescription)  
 gliquidone,(prescription)  
 gluten-free diet  
 glutethimide; para-amino,(prescription)  
 glycopyrrolate,(prescription)  
 granisetron,(prescription)  
 griseofulvin,(prescription)  
 Guaiacol (polyphenol)  
 guaifenesin,(prescription)  
 guanabenz acetate,(prescription)  
 guanadrel sulfate,(prescription)  
 guanethidine sulfate,(prescription)  
 guanfacine hydrochloride,(prescription)  
 halcinonide,(prescription)  
 halofantrine hydrochloride,(prescription)  
 haloperidol,(prescription)  
 haloproglin,(prescription)  
 hemicholinium bromide non-drug  
 heptaminol hydrochloride,(prescription)  
 Hesperidin (polyphenol)  
 hexamethonium dibromide dihydrate non-drug  
 hexestrol,(prescription)  
 hexetidine  
 hexylcaine hydrochloride,(prescription)  
 high-fat diets  
 homatropine hydrobromide (r,s),(prescription)  
 homochlorcyclizine dihydrochloride,(prescription)  
 homosalate non-drug  
 hycanthone,(prescription)  
 hydralazine hydrochloride,(prescription)  
 hydrochlorothiazide,(prescription)  
 hydrocortisone base,(prescription)  
 hydroflumethiazide,(prescription)  
 hydroxychloroquine sulfate,(prescription)  
 hydroxytacrine maleate (r,s),(prescription)  
 hydroxyzine dihydrochloride,(prescription)  
 hymecromone,(prescription)  
 hyoscyamine (l),(prescription)  
 ibandronate sodium,(prescription)  
 ibudilast,(prescription)  
 ibuprofen  
 ibutilide fumarate,(prescription)  
 idazoxan hydrochloride non-drug  
 idebenone,(prescription)  
 idoxuridine,(prescription)  
 ifenprodil tartrate,(prescription)  
 ifosfamide,(prescription)  
 imatinib,(prescription)  
 imidurea non-drug  
 tolazoline hydrochloride,(prescription)  
 tolbutamide,(prescription)  
 tolfenamic acid,(prescription)  
 tolmetin sodium salt dihydrate,(prescription)  
 tolnaftate,(prescription)  
 toltrazuril non-drug  
 tomoxetine hydrochloride,(prescription)  
 topiramate,(prescription)  
 topotecan,(prescription)  
 toremifene,(prescription)  
 torsemide,(prescription)  
 trazolate hydrochloride non-drug  
 tramadol hydrochloride,(prescription)  
 tranexamic acid,(prescription)  
 tranilast,(prescription)  
 tranylcypromine hydrochloride,(prescription)  
 trapidil,(prescription)  
 trazodone hydrochloride,(prescription)  
 tremorine dihydrochloride non-drug  
 triamcinolone,(prescription)  
 triamterene,(prescription)  
 tribenoside,(prescription)  
 trichlorfon,(prescription)  
 trichlormethiazide,(prescription)  
 tridihexethyl chloride,(prescription)  
 trifluoperazine dihydrochloride,(prescription)  
 triflupromazine hydrochloride,(prescription)  
 trifluridine,(prescription)  
 triflusal,(prescription)  
 trihexyphenidyl-d;l hydrochloride,(prescription)  
 trimeprazine tartrate,(prescription)  
 trimetazidine dihydrochloride,(prescription)  
 trimethadione,(prescription)  
 trimethobenzamide hydrochloride,(prescription)  
 trimipramine maleate salt,(prescription)  
 trioxsalen,(prescription)  
 tripeleppamine hydrochloride,(prescription)  
 triprolidine hydrochloride,(prescription)  
 troglitazone,(prescription)  
 trolox non-drug  
 tropicamide,(prescription)  
 tropisetron hcl,(prescription)  
 tulobuterol,(prescription)  
 tyloxapol,(prescription)  
 urapidil hydrochloride,(prescription)  
 urosiol,(prescription)  
 valacyclovir hydrochloride,(prescription)  
 valproic acid,(prescription)  
 vardenafil,(prescription)  
 vatalanib,(prescription)  
 vecuronium bromide,(prescription)  
 venlafaxine,(prescription)  
 verapamil hydrochloride,(prescription)  
 vidarabine,(prescription)  
 vigabatrin,(prescription)  
 viloxazine hydrochloride,(prescription)  
 vincamine,(prescription)  
 vinpocetine,(prescription)

imipramine hydrochloride,(prescription)	viomycin sulfate (antibiotic)
imiquimod,(prescription)	Vitamin B1,thiamine hydrochloride
indapamide,(prescription)	Vitamin B-12
indatraline hydrochloride non-drug	vitamin B3,niacin
indomethacin,(prescription)	Vitamin B6,pyridoxine hydrochloride
indoprofen,(prescription)	vitamin B7, biotin
iobenguane sulfate,(prescription)	Vitamin B9,folic acid
iocetamic acid,(prescription)	Vitamin C (ascorbic acid)
iodipamide,(prescription)	voriconazole,(prescription)
iodixanol,(prescription)	vorinostat,(prescription)
iohexol,(prescription)	warfarin,(prescription)
iopamidol,(prescription)	xamoterol hemifumarate,(prescription)
iopanoic acid,(prescription)	xylazine,(prescription)
iopromide,(prescription)	xylometazoline hydrochloride,(prescription)
ioversol,(prescription)	yohimbine hydrochloride,(prescription)
ioxaglic acid,(prescription)	zafirlukast,(prescription)
iproniazide phosphate,(prescription)	zalcitabine,(prescription)
ipsapirone non-drug	zaleplon,(prescription)
irinotecan hydrochloride trihydrate,(prescription)	zaprinast non-drug
irsogladine maleate,(prescription)	zardaverine non-drug
isocarboxazid,(prescription)	zidovudine; azt,(prescription)
isoconazole,(prescription)	zileuton,(prescription)
isoetharine mesylate salt,(prescription)	zimelidine dihydrochloride monohydrate,(prescription)
isoflupredone acetate,(prescription)	ziprasidone,hydrochloride,(prescription)
isometheptene mucate,(prescription)	zomepirac sodium salt,(prescription)
isoniazid (antibiotic)	zonisamide,(prescription)
isopropamide iodide,(prescription)	zopiclone,(prescription)
isopyrin hydrochloride non-drug	zotepine,(prescription)
isoquinoline; 6;7-dimethoxy-1-methyl-1;2;3;4-tetrahydro; hydrochloride non-drug	zoxazolamine non-drug
	zudopenthixol dihydrochloride,(prescription)



## Sample of Literature Used

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

### Cyanobacteria, Cyanotoxins, and Neurodegenerative Diseases: Dangerous Liaisons.

**International journal of molecular sciences** , Volume: 22 Issue: 16 2021 Aug 13

Authors Sini P,Dang TBC,Fais M,Galioto M,Padedda BM,Lugliè A,Iaccarino C,Crosio C

### The Impact of Microbiota on the Pathogenesis of Amyotrophic Lateral Sclerosis and the Possible Benefits of Polyphenols. An Overview.

**Metabolites** , Volume: 11 Issue: 2 2021 Feb 20

Authors Casani-Cubel J,Benlloch M,Sanchis-Sanchis CE,Marin R,Lajara-Romance JM,de la Rubia Orti JE

### The alteration of gut microbiome and metabolism in amyotrophic lateral sclerosis patients.

**Scientific reports** , Volume: 10 Issue: 1 2020 Aug 3

Authors Zeng Q,Shen J,Chen K,Zhou J,Liao Q,Lu K,Yuan J,Bi F

### A prospective longitudinal study on the microbiota composition in amyotrophic lateral sclerosis.

**BMC medicine** , Volume: 18 Issue: 1 2020 Jun 17

Authors Di Gioia D,Bozzi Cionci N,Baffoni L,Amoruso A,Pane M,Mogna L,Gaggia F,Lucenti MA,Bersano E,Cantello R,De Marchi F,Mazzini L

### Amyotrophic lateral sclerosis and intestinal microbiota-toward establishing cause and effect.

**Gut microbes** , Volume: 11 Issue: 6 2020 Nov 1

Authors Gotkine M,Kviatcovsky D,Elinav E

### Potential Role of Gut Microbiota in ALS Pathogenesis and Possible Novel Therapeutic Strategies.

**Journal of clinical gastroenterology** , 2018 May 18

Authors Mazzini L,Mogna L,De Marchi F,Amoruso A,Pane M,Aloisio I,Cionci NB,Gaggia F,Lucenti A,Bersano E,Cantello R,Di Gioia D,Mogna G

### Circadian Rhythm Dysfunction Accelerates Disease Progression in a Mouse Model With Amyotrophic Lateral Sclerosis.

**Frontiers in neurology** , Volume: 9 2018

Authors Huang Z,Liu Q,Peng Y,Dai J,Xie Y,Chen W,Long S,Pei Z,Su H,Yao X

### Gut inflammation and dysbiosis in human motor neuron disease.

**Physiological reports** , Volume: 5 Issue: 18 2017 Sep

Authors Rowin J,Xia Y,Jung B,Sun J

### Evaluation of the Microbial Diversity in Amyotrophic Lateral Sclerosis Using High-Throughput Sequencing.

**Frontiers in microbiology** , Volume: 7 2016

Authors Fang X,Wang X,Yang S,Meng F,Wang X,Wei H,Chen T

### Leaky intestine and impaired microbiome in an amyotrophic lateral sclerosis mouse model.

**Physiological reports** , Volume: 3 Issue: 4 2015 Apr

Authors Wu S,Yi J,Zhang YG,Zhou J,Sun J

### Positive efficacy of Lactiplantibacillus plantarum MH-301 as a postoperative adjunct to endoscopic sclerotherapy for internal hemorrhoids: a randomized, double-blind, placebo-controlled trial.

**Food & function** , 2023 Sep 1

Authors Zhang K,Liu H,Liu P,Feng Q,Gan L,Yao L,Huang G,Fang Z,Chen T,Fang N

### Comparing the Influences of Metformin and Berberine on the Intestinal Microbiota of Rats With Nonalcoholic Steatohepatitis.

**In vivo (Athens, Greece)** , Volume: 37 Issue: 5 2023 Sep-Oct

Authors Chen D,Xiong J,Chen G,Zhang Z,Liu Y,Xu J,Xu H

### Effect of an Enteroprotective Complementary Feed on Faecal Markers of Inflammation and Intestinal Microbiota Composition in Weaning Puppies.

**Veterinary sciences** , Volume: 10 Issue: 7 2023 Jul 3

Authors Meineri G,Cocolin L,Morelli G,Schievano C,Atuahene D,Ferrocino I

### Influences of wheat bran fiber on growth performance, nutrient digestibility, and intestinal epithelium functions in Xiangcun pigs.

**Heliyon** , Volume: 9 Issue: 7 2023 Jul

Authors Liu J,Luo Y,Kong X,Yu B,Zheng P,Huang Z,Mao X,Yu J,Luo J,Yan H,He J

### Bile Acids and Short-Chain Fatty Acids Are Modulated after Onion and Apple Consumption in Obese Zucker Rats.

**Nutrients** , Volume: 15 Issue: 13 2023 Jul 5

Authors Balderas C,de Ancos B,Sánchez-Moreno C

### Targeted modification of gut microbiota and related metabolites via dietary fiber.

**Carbohydrate polymers** , Volume: 316 2023 Sep 15

Authors Nie Q, Sun Y, Li M, Zuo S, Chen C, Lin Q, Nie S

[Effects of fenbendazole on fecal microbiome in BPH/5 mice, a model of hypertension and obesity, a brief report.](#)

**PLoS one** , Volume: 18 Issue: 6 2023

Authors Beckers KF, Schulz CJ, Liu CC, Barras ED, Childers GW, Stout RW, Sones JL

[Gentamicin alleviates cholestatic liver injury by decreasing gut microbiota-associated bile salt hydrolase activity in rats.](#)

**European journal of pharmacology** , Volume: 951 2023 May 12

Authors Ma Y, Wang H, Yang J, Xin M, Wu X

[The regulatory effects of specific polyphenols on Akkermansia are dependent on uridine.](#)

**Food chemistry** , Volume: 410 2023 Jun 1

Authors Gao X, Yue C, Tian R, Yu L, Tian F, Zhao J, Chen W, Zhai Q

[Resveratrol modulates the gut microbiota of cholestasis in pregnant rats.](#)

**Journal of physiology and pharmacology : an official journal of the Polish Physiological Society** , Volume: 73 Issue: 2 2022 Apr

Authors Li Z, Lei L, Ling L, Liu Y, Xiong Z, Shao Y

[Metformin attenuated sepsis-related liver injury by modulating gut microbiota.](#)

**Emerging microbes & infections** , Volume: 11 Issue: 1 2022 Dec

Authors Liang H, Song H, Zhang X, Song G, Wang Y, Ding X, Duan X, Li L, Sun T, Kan Q

[Effects of Dietary Supplementation With \*Bacillus subtilis\*, as an Alternative to Antibiotics, on Growth Performance, Serum Immunity, and Intestinal Health in Broiler Chickens.](#)

**Frontiers in nutrition** , Volume: 8 2021

Authors Qiu K, Li CL, Wang J, Qi GH, Gao J, Zhang HJ, Wu SG

[Gut microbiota modulation as a possible mediating mechanism for fasting-induced alleviation of metabolic complications: a systematic review.](#)

**Nutrition & metabolism** , Volume: 18 Issue: 1 2021 Dec 14

Authors Angoorani P, Ejtahed HS, Hasani-Ranjbar S, Siadat SD, Soroush AR, Larijani B

[The relationship between human milk, a functional nutrient, and microbiota.](#)

**Critical reviews in food science and nutrition** , 2021 Dec 6

Authors Sakarya E, Sanlier NT, Sanlier N

[Fructooligosaccharides Increase in Plasma Concentration of \(-\)-Epigallocatechin-3-Gallate in Rats.](#)

**Journal of agricultural and food chemistry** , Volume: 69 Issue: 49 2021 Dec 15

Authors Unno T, Araki Y, Inagaki S, Kobayashi M, Ichitani M, Takihara T, Kinugasa H

[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

[Regulatory Effect of Resveratrol on Inflammation Induced by Lipopolysaccharides via Reprogramming Intestinal Microbes and Ameliorating Serum Metabolism Profiles.](#)

**Frontiers in immunology** , Volume: 12 2021

Authors Ding S, Jiang H, Fang J, Liu G

[Amlodipine, an anti-hypertensive drug, alleviates non-alcoholic fatty liver disease by modulating gut microbiota.](#)

**British journal of pharmacology** , 2021 Dec 3

Authors Li Y, Zhao D, Qian M, Liu J, Pan C, Zhang X, Duan X, Zhang Y, Jia W, Wang L

[A Comparison of Production Performance, Egg Quality, and Cecal Microbiota in Laying Hens Receiving Graded Levels of Vitamin B<sub>12</sub>.](#)

**Frontiers in veterinary science** , Volume: 8 2021

Authors Wang R, Bai Y, Yang Y, Wu X, Li R

[Bifidobacterium catabolism of human milk oligosaccharides overrides endogenous competitive exclusion driving colonization and protection.](#)

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

Authors Heiss BE, Ehrlich AM, Maldonado-Gomez MX, Taft DH, Larke JA, Goodson ML, Slupsky CM, Tancredi DJ, Raybould HE, Mills DA

[Supplementation with \*Lactiplantibacillus plantarum\* IMC 510 Modifies Microbiota Composition and Prevents Body Weight Gain Induced by Cafeteria Diet in Rats.](#)

**International journal of molecular sciences** , Volume: 22 Issue: 20 2021 Oct 16

Authors Micioni Di Bonaventura MV, Coman MM, Tomassoni D, Micioni Di Bonaventura E, Botticelli L, Gabrielli MG, Rossolini GM, Di Pilato V, Cecchini C, Amedei A, Silvi S, Verdenelli MC, Cifani C

[Unravelling the collateral damage of antibiotics on gut bacteria.](#)

**Nature** , Volume: 599 Issue: 7883 2021 Nov

Authors Maier L, Goemans CV, Wirbel J, Kuhn M, Eberl C, Pruteanu M, Müller P, Garcia-Santamarina S, Cacace E, Zhang B, Gekeler

- C,Banerjee T,Anderson EE,Milanese A,Löber U,Forslund SK,Patil KR,Zimmermann M,Stecher B,Zeller G,Bork P,Typas A*  
Treatment with a spore-based probiotic containing five strains of Bacillus induced changes in the metabolic activity and community composition of the gut microbiota in a SHIME® model of the human gastrointestinal system.  
**Food research international (Ottawa, Ont.) , Volume: 149 2021 Nov**  
*Authors Marzorati M, Van den Abbeele P, Bubeck S, Bayne T, Krishnan K, Young A*  
Gut Microbiome Alteration after Reboxetine Administration in Type-1 Diabetic Rats.  
**Microorganisms , Volume: 9 Issue: 9 2021 Sep 14**  
*Authors Aydin S, Ozkul C, Yucel NT, Karaca H*  
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 Prebiotic Potential of Inulin-type Fructans: A Systematic Review.  
**Advances in nutrition (Bethesda, Md.) , 2021 Sep 23**  
*Authors Hughes RL, Alvarado DA, Swanson KS, Holscher HD*  
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*  
Distinct Changes in Gut Microbiota Are Associated with Estradiol-Mediated Protection from Diet-Induced Obesity in Female Mice.  
**Metabolites , Volume: 11 Issue: 8 2021 Jul 30**  
*Authors Acharya KD, Noh HL, Graham ME, Suk S, Friedline RH, Gomez CC, Parakoyi AER, Chen J, Kim JK, Tetel MJ*  
Low-Dose Lactulose as a Prebiotic for Improved Gut Health and Enhanced Mineral Absorption.  
**Frontiers in nutrition , Volume: 8 2021**  
*Authors Karakan T, Tuohy KM, Janssen-van Solingen G*  
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*  
Intestinal Microbiota Mediates High-Fructose and High-Fat Diets to Induce Chronic Intestinal Inflammation.  
**Frontiers in cellular and infection microbiology , Volume: 11 2021**  
*Authors Tan R, Dong H, Chen Z, Jin M, Yin J, Li H, Shi D, Shao Y, Wang H, Chen T, Yang D, Li J*  
Concentrated Raw Fibers Enhance the Fiber-Degrading Capacity of a Synthetic Human Gut Microbiome.  
**International journal of molecular sciences , Volume: 22 Issue: 13 2021 Jun 25**  
*Authors Steimle A, Neumann M, Grant ET, Turner JD, Desai MS*  
Nrf2/ARE Activators Improve Memory in Aged Mice via Maintaining of Mitochondrial Quality Control of Brain and the Modulation of Gut Microbiome.  
**Pharmaceuticals (Basel, Switzerland) , Volume: 14 Issue: 7 2021 Jun 23**  
*Authors Sadovnikova IS, Gureev AP, Ignatyeva DA, Gryaznova MV, Chernyshova EV, Krutskikh EP, Novikova AG, Popov VN*  
Effect of Dietary Inulin Supplementation on the Gut Microbiota Composition and Derived Metabolites of Individuals Undergoing Hemodialysis: A Pilot Study.  
**Journal of renal nutrition : the official journal of the Council on Renal Nutrition of the National Kidney Foundation , 2021 Jun 11**  
*Authors Biruete A, Cross TL, Allen JM, Kistler BM, de Loor H, Evenepoel P, Fahey GC Jr, Bauer L, Swanson KS, Wilund KR*  
Resveratrol and its derivative pterostilbene ameliorate intestine injury in intrauterine growth-retarded weanling piglets by modulating redox status and gut microbiota.  
**Journal of animal science and biotechnology , Volume: 12 Issue: 1 2021 Jun 10**  
*Authors Chen Y, Zhang H, Chen Y, Jia P, Ji S, Zhang Y, Wang T*  
Modulatory Effects of Bacillus subtilis on the Performance, Morphology, Cecal Microbiota and Gut Barrier Function of Laying Hens.  
**Animals : an open access journal from MDPI , Volume: 11 Issue: 6 2021 May 24**  
*Authors Zhang G, Wang H, Zhang J, Tang X, Raheem A, Wang M, Lin W, Liang L, Qi Y, Zhu Y, Jia Y, Cui S, Qin T*  
Gut Microbiota Induced by Pterostilbene and Resveratrol in High-Fat-High-Fructose Fed Rats: Putative Role in Steatohepatitis Onset.  
**Nutrients , Volume: 13 Issue: 5 2021 May 20**  
*Authors Milton-Laskibar I, Marcos-Zambrano LJ, Gómez-Zorita S, Fernández-Quintela A, Carrillo de Santa Pau E, Martínez JA, Portillo MP*  
The Potential Roles of Very Low Calorie, Very Low Calorie Ketogenic Diets and Very Low Carbohydrate Diets on the Gut

Microbiota Composition.**Frontiers in endocrinology** , Volume: 12 2021

Authors Rondanelli M,Gasparri C,Peroni G,Faliva MA,Naso M,Perna S,Bazire P,Sajuox I,Maugeri R,Rigon C

Modulation of Pro-inflammatory and Anti-inflammatory Cytokines in the Fat by an Aloe Gel-based Formula, QDMC, Is Correlated with Altered Gut Microbiota.**Immune network** , Volume: 21 Issue: 2 2021 Apr

Authors An J, Lee H, Lee S, Song Y, Kim J, Park IH, Kong H, Kim K

Clearance of Clostridioides difficile Colonization Is Associated with Antibiotic-Specific Bacterial Changes.**mSphere** , Volume: 6 Issue: 3 2021 May 5

Authors Lesniak NA, Schubert AM, Sinani H, Schloss PD

Lactobacillus Sps in Reducing the Risk of Diabetes in High-Fat Diet-Induced Diabetic Mice by Modulating the Gut Microbiome and Inhibiting Key Digestive Enzymes Associated with Diabetes.**Biology** , Volume: 10 Issue: 4 2021 Apr 20

Authors Gulnaz A, Nadeem J, Han JH, Lew LC, Son JD, Park YH, Rather IA, Hor YY

Cloudy Apple Juice Fermented by Lactobacillus Prevents Obesity via Modulating Gut Microbiota and Protecting Intestinal Tract Health.**Nutrients** , Volume: 13 Issue: 3 2021 Mar 17

Authors Han M, Zhang M, Wang X, Bai X, Yue T, Gao Z

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

Lactulose ingestion causes an increase in the abundance of gut-resident bifidobacteria in Japanese women: a randomised, double-blind, placebo-controlled crossover trial.**Beneficial microbes** , 2021 Jan 4

Authors Sakai Y, Hamano H, Ochi H, Abe F, Masuda K, Iino H

Selective Utilization of the Human Milk Oligosaccharides 2`-Fucosyllactose, 3-Fucosyllactose, and Difucosyllactose by Various Probiotic and Pathogenic Bacteria.**Journal of agricultural and food chemistry** , Volume: 69 Issue: 1 2021 Jan 13

Authors Salli K, Hirvonen J, Siitonen J, Ahonen I, Angenius H, Maukonen J

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

Atorvastatin alleviates microglia-mediated neuroinflammation via modulating the microbial composition and the intestinal barrier function in ischemic stroke mice.**Free radical biology & medicine** , Volume: 162 2020 Dec 3

Authors Zhang P, Zhang X, Huang Y, Chen J, Shang W, Shi G, Zhang L, Zhang C, Chen R

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

Effects of Different Human Milk Oligosaccharides on Growth of Bifidobacteria in Monoculture and Co-culture With Faecalibacterium prausnitzii.**Frontiers in microbiology** , Volume: 11 2020

Authors Cheng L, Kiewiet MBG, Logtenberg MJ, Groeneveld A, Nauta A, Schols HA, Walvoort MTC, Harmsen HJM, de Vos P

Alginate- and Gelatin-Coated Apple Pieces as Carriers for Bifidobacterium animalis subsp. lactis DSM 10140.**Frontiers in microbiology** , Volume: 11 2020

Authors Campaniello D, Bevilacqua A, Speranza B, Sinigaglia M, Corbo MR

Enterococcus faecium R0026 combined with Bacillus subtilis R0179 prevent obesity-associated hyperlipidaemia and modulate gut microbiota in C57BL/6 mice.**Journal of microbiology and biotechnology** , 2020 Oct 20

Authors Huang J, Huang J, Yin T, Lv H, Zhang P, Li H

Coadministration of metformin prevents olanzapine-induced metabolic dysfunction and regulates the gut-liver axis in rats.**Psychopharmacology** , Volume: 238 Issue: 1 2021 Jan

Authors Luo C,Wang X,Huang HX,Mao XY,Zhou HH,Liu ZQ

[Effects of Non-insulin Anti-hyperglycemic Agents on Gut Microbiota: A Systematic Review on Human and Animal Studies.](#)

**Frontiers in endocrinology** , Volume: 11 2020

Authors Cao TTB,Wu KC,Hsu JL,Chang CS,Chou C,Lin CY,Liao YM,Lin PC,Yang LY,Lin HW

[Relative abundance of the Prevotella genus within the human gut microbiota of elderly volunteers determines the inter-individual responses to dietary supplementation with wheat bran arabinoxylan-oligosaccharides.](#)

**BMC microbiology** , Volume: 20 Issue: 1 2020 Sep 14

Authors Chung WSF,Walker AW,Boscher D,Garcia-Campayo V,Wagner J,Parkhill J,Duncan SH,Flint HJ

[Dietary supplementation with Bacillus subtilis DSM 32315 alters the intestinal microbiota and metabolites in weaned piglets.](#)

**Journal of applied microbiology** , 2020 Jul 6

Authors Ding H,Zhao X,Ma C,Gao Q,Yin Y,Kong X,He J

[Cocoa Polyphenols and Gut Microbiota Interplay: Bioavailability, Prebiotic Effect, and Impact on Human Health.](#)

**Nutrients** , Volume: 12 Issue: 7 2020 Jun 27

Authors Sorrenti V,Ali S,Mancin L,Davinelli S,Paoli A,Scapagnini G

[Cocoa Polyphenols and Gut Microbiota Interplay: Bioavailability, Prebiotic Effect, and Impact on Human Health.](#)

**Nutrients** , Volume: 12 Issue: 7 2020 Jun 27

Authors Sorrenti V,Ali S,Mancin L,Davinelli S,Paoli A,Scapagnini G

[The Protective Effects of 2`-Fucosyllactose against E. Coli O157 Infection Are Mediated by the Regulation of Gut Microbiota and the Inhibition of Pathogen Adhesion.](#)

**Nutrients** , Volume: 12 Issue: 5 2020 May 1

Authors Wang Y,Zou Y,Wang J,Ma H,Zhang B,Wang S

[Cocoa diet modulates gut microbiota composition and improves intestinal health in Zucker diabetic rats.](#)

**Food research international (Ottawa, Ont.)** , Volume: 132 2020 Jun

Authors Álvarez-Cilleros D,Ramos S,López-Oliva ME,Escrivá F,Álvarez C,Fernández-Millán E,Martín MÁ

[Cocoa diet modulates gut microbiota composition and improves intestinal health in Zucker diabetic rats.](#)

**Food research international (Ottawa, Ont.)** , Volume: 132 2020 Jun

Authors Álvarez-Cilleros D,Ramos S,López-Oliva ME,Escrivá F,Álvarez C,Fernández-Millán E,Martín MÁ

[Cultivation of the Next-Generation Probiotic Akkermansia muciniphila, Methods of Its Safe Delivery to the Intestine, and Factors Contributing to Its Growth In Vivo.](#)

**Current microbiology** , Volume: 77 Issue: 8 2020 Aug

Authors Ropot AV,Karamzin AM,Sergeyev OV

[Effect of resveratrol on intestinal tight junction proteins and the gut microbiome in high-fat diet-fed insulin resistant mice.](#)

**International journal of food sciences and nutrition** , Volume: 71 Issue: 8 2020 Dec

Authors Chen K,Zhao H,Shu L,Xing H,Wang C,Lu C,Song G

[2`-fucosyllactose Supplementation Improves Gut-Brain Signaling and Diet-Induced Obese Phenotype and Changes the Gut Microbiota in High Fat-Fed Mice.](#)

**Nutrients** , Volume: 12 Issue: 4 2020 Apr 5

Authors Lee S,Goodson M,Vang W,Kalanetra K,Barile D,Raybould H

[Beneficial effects of flaxseed polysaccharides on metabolic syndrome via gut microbiota in high-fat diet fed mice.](#)

**Food research international (Ottawa, Ont.)** , Volume: 131 2020 May

Authors Yang C,Xu Z,Deng Q,Huang Q,Wang X,Huang F

[Anti-inflammatory activity of alkali-soluble polysaccharides from Arctium lappa L. and its effect on gut microbiota of mice with inflammation.](#)

**International journal of biological macromolecules** , Volume: 154 2020 Jul 1

Authors Zhang X,Zhang N,Kan J,Sun R,Tang S,Wang Z,Chen M,Liu J,Jin C

[Prebiotic activity of garlic \(<i>Allium sativum</i>\) extract on <i>Lactobacillus acidophilus</i>.](#)

**Veterinary world** , Volume: 12 Issue: 12 2019 Dec

Authors Sunu P,Sunarti D,Mahfudz LD,Yunianto VD

[Effect of Dose and Timing of Burdock \(<i>Arctium lappa</i>\) Root Intake on Intestinal Microbiota of Mice.](#)

**Microorganisms** , Volume: 8 Issue: 2 2020 Feb 6

Authors Watanabe A,Sasaki H,Miyakawa H,Nakayama Y,Lyu Y,Shibata S

[Islamic fasting leads to an increased abundance of Akkermansia muciniphila and Bacteroides fragilis group: A preliminary study on intermittent fasting.](#)

**The Turkish journal of gastroenterology : the official journal of Turkish Society of Gastroenterology** , Volume: 30 Issue: 12 2019 Dec

Authors Özkul C,Yalinay M,Karakan T

[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.

Lactulose drives a reversible reduction and qualitative modulation of the faecal microbiota diversity in healthy dogs.

**Scientific reports** , Volume: 9 Issue: 1 2019 Sep 16

Authors Ferreira MDF,Salavati Schmitz S,Schoenebeck JJ,Clements DN,Campbell SM,Gaylor DE,Mellanby RJ,Gow AG,Salavati M

Immunomodulatory and Prebiotic Effects of 2'-Fucosyllactose in Suckling Rats.

**Frontiers in immunology** , Volume: 10 2019

Authors Azagra-Boronat I,Massot-Cladera M,Mayneris-Perxachs J,Knipping K,Van't Land B,Tims S,Stahl B,Garssen J,Franch À,Castell M,Rodríguez-Lagunas MJ,Pérez-Cano FJ

Dietary Factors and Modulation of Bacteria Strains of <i>Akkermansia muciniphila</i> and <i>Faecalibacterium prausnitzii</i>: A Systematic Review.

**Nutrients** , Volume: 11 Issue: 7 2019 Jul 11

Authors Verhoog S,Taneri PE,Roa Díaz ZM,Marques-Vidal P,Troup JP,Bally L,Franco OH,Glisic M,Muka T

Effect of Synbiotic Supplementation in a Very-Low-Calorie Ketogenic Diet on Weight Loss Achievement and Gut Microbiota: A Randomized Controlled Pilot Study.

**Molecular nutrition & food research** , 2019 Jul 12

Authors Gutiérrez-Repiso C,Hernández-García C,García-Almeida JM,Bellido D,Martín-Núñez GM,Sánchez-Alcoholado L,Alcaide-Torres J,Sajoux I,Tinahones F,Moreno-Indias I

Supplementation of diet with non-digestible oligosaccharides alters the intestinal microbiota, but not arthritis development, in IL-1 receptor antagonist deficient mice.

**PloS one** , Volume: 14 Issue: 7 2019

Authors Rogier R,Ederveen THA,Wopereis H,Hartog A,Boekhorst J,van Hijum SAFT,Knol J,Garssen J,Walgreen B,Helsen MM,van der Kraan PM,van Lent PLEM,van de Loo FAJ,Abdollahi-Roodsaz S,Koenders MI

Dietary supplementation with probiotics regulates gut microbiota structure and function in Nile tilapia exposed to aluminum.

**PeerJ** , Volume: 7 2019

Authors Yu L,Qiao N,Li T,Yu R,Zhai Q,Tian F,Zhao J,Zhang H,Chen W

Resveratrol attenuates high-fat diet-induced non-alcoholic steatohepatitis by maintaining gut barrier integrity and inhibiting gut inflammation through regulation of the endocannabinoid system.

**Clinical nutrition (Edinburgh, Scotland)** , 2019 May 30

Authors Chen M,Hou P,Zhou M,Ren Q,Wang X,Huang L,Hui S,Yi L,Mi M

Effects of Different Diets on Microbiota in The Small Intestine Mucus and Weight Regulation in Rats.

**Scientific reports** , Volume: 9 Issue: 1 2019 Jun 11

Authors Meng Y,Li X,Zhang J,Wang C,Lu F

In vivo and in vitro anti-inflammatory effects of water-soluble polysaccharide from Arctium lappa.

**International journal of biological macromolecules** , Volume: 135 2019 Aug 15

Authors Zhang N,Wang Y,Kan J,Wu X,Zhang X,Tang S,Sun R,Liu J,Qian C,Jin C

The role of short-chain fatty acids in microbiota-gut-brain communication.

**Nature reviews. Gastroenterology & hepatology** , Volume: 16 Issue: 8 2019 Aug

Authors Dalile B,Van Oudenhove L,Vervliet B,Verbeke K

Alterations of the Gut Microbiota Associated With Promoting Efficacy of Prednisone by Bromofuranone in MRL/lpr Mice.

**Frontiers in microbiology** , Volume: 10 2019

Authors He Z,Kong X,Shao T,Zhang Y,Wen C

Fermented Momordica charantia L. juice modulates hyperglycemia, lipid profile, and gut microbiota in type 2 diabetic rats.

**Food research international (Ottawa, Ont.)** , Volume: 121 2019 Jul

Authors Gao H,Wen JJ,Hu JL,Nie QX,Chen HH,Xiong T,Nie SP,Xie MY

Structural characterization of water-soluble polysaccharide from Arctium lappa and its effects on colitis mice.

**Carbohydrate polymers** , Volume: 213 2019 Jun 1

Authors Wang Y,Zhang N,Kan J,Zhang X,Wu X,Sun R,Tang S,Liu J,Qian C,Jin C

Metformin and gut microbiota: their interactions and their impact on diabetes.

**Hormones (Athens, Greece)** , 2019 Feb 4

Authors Vallianou NG,Stratigou T,Tsagarakis S

Arabinoxylan from Argentinian whole wheat flour promote the growth of Lactobacillus reuteri and Bifidobacterium breve.

**Letters in applied microbiology** , Volume: 68 Issue: 2 2019 Feb

Authors Paesani C,Salvucci E,Moiraghi M,Fernandez Canigía L,Pérez GT

A low-gluten diet induces changes in the intestinal microbiome of healthy Danish adults.

**Nature communications** , Volume: 9 Issue: 1 2018 Nov 13

Authors Hansen LBS,Roager HM,Søndertoft NB,Gøbel RJ,Kristensen M,Vallès-Colomer M,Vieira-Silva S,Ibrügger S,Lind

*MV, Mærkedahl RB, Bahl MI, Madsen ML, Havelund J, Falony G, Tetens I, Nielsen T, Allin KH, Frandsen HL, Hartmann B, Holst JJ, Sparholt MH, Holck J, Blennow A, Moll JM, Meyer AS, Hoppe C, Poulsen JH, Carvalho V, Sagnelli D, Dalgaard MD, Christensen AF, Lydolph MC, Ross AB, Villas-Bôas S, Brix S, Sicheritz-Pontén T, Buschard K, Linneberg A, Rumessen JJ, Ekstrøm CT, Ritz C, Kristiansen K, Nielsen HB, Vestergaard H, Færgeman NJ, Raes J, Frøkiær H, Hansen T, Lauritzen L, Gupta R, Licht TR, Pedersen O*  
Strategies to promote abundance of *Akkermansia muciniphila*, an emerging probiotics in the gut, evidence from dietary intervention studies.

**Journal of functional foods** , Volume: 33 2017 Jun

Authors Zhou K

Stability of vitamin B12 with the protection of whey proteins and their effects on the gut microbiome.

**Food chemistry** , Volume: 276 2019 Mar 15

Authors Wang H, Shou Y, Zhu X, Xu Y, Shi L, Xiang S, Feng X, Han J

Prevalence and Antimicrobial Susceptibility of Bacterial Uropathogens Isolated from Pediatric Patients at Yekatit 12 Hospital Medical College, Addis Ababa, Ethiopia.

**International journal of microbiology** , Volume: 2018 2018

Authors Merga Duffa Y, Terfa Kitila K, Mamuye Gebretsadik D, Bitew A

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

Probiotic *Lactobacillus plantarum* Promotes Intestinal Barrier Function by Strengthening the Epithelium and Modulating Gut Microbiota.

**Frontiers in microbiology** , Volume: 9 2018

Authors Wang J, Ji H, Wang S, Liu H, Zhang W, Zhang D, Wang Y

Introducing insoluble wheat bran as a gut microbiota niche in an in vitro dynamic gut model stimulates propionate and butyrate production and induces colon region specific shifts in the luminal and mucosal microbial community.

**Environmental microbiology** , Volume: 20 Issue: 9 2018 Sep

Authors De Paepe K, Verspreet J, Verbeke K, Raes J, Courtin CM, Van de Wiele T

Inulin fiber dose-dependently modulates energy balance, glucose tolerance, gut microbiota, hormones and diet preference in high-fat-fed male rats.

**The Journal of nutritional biochemistry** , Volume: 59 2018 Sep

Authors Singh A, Zapata RC, Pezeshki A, Reidelberger RD, Chelikani PK

Intermittent Fasting Confers Protection in CNS Autoimmunity by Altering the Gut Microbiota.

**Cell metabolism** , Volume: 27 Issue: 6 2018 Jun 5

Authors Cignarella F, Cantoni C, Ghezzi L, Salter A, Dorsett Y, Chen L, Phillips D, Weinstock GM, Fontana L, Cross AH, Zhou Y, Piccio L

Changes in metabolism and microbiota after 24-week risperidone treatment in drug naive, normal weight patients with first episode schizophrenia.

**Schizophrenia research** , 2018 May 30

Authors Yuan X, Zhang P, Wang Y, Liu Y, Li X, Kumar BU, Hei G, Lv L, Huang XF, Fan X, Song X

Niacin alters the ruminal microbial composition of cattle under high-concentrate condition.

**Animal nutrition (Zhongguo xu mu shou yi xue hui)** , Volume: 3 Issue: 2 2017 Jun

Authors Luo D, Gao Y, Lu Y, Qu M, Xiong X, Xu L, Zhao X, Pan K, Ouyang K

Effects of Whole-Grain Rice and Wheat on Composition of Gut Microbiota and Short-Chain Fatty Acids in Rats.

**Journal of agricultural and food chemistry** , 2018 May 29

Authors Han F, Wang Y, Han Y, Zhao J, Han F, Song G, Jiang P, Miao H

Catechin supplemented in a FOS diet induces weight loss by altering cecal microbiota and gene expression of colonic epithelial cells.

**Food & function** , Volume: 9 Issue: 5 2018 May 23

Authors Luo J, Han L, Liu L, Gao L, Xue B, Wang Y, Ou S, Miller M, Peng X

Ketogenic diet enhances neurovascular function with altered gut microbiome in young healthy mice.

**Scientific reports** , Volume: 8 Issue: 1 2018 Apr 27

Authors Ma D, Wang AC, Parikh I, Green SJ, Hoffman JD, Chlipala G, Murphy MP, Sokola BS, Bauer B, Hartz AMS, Lin AL

## 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**