List of microorganisms used in food and beverage preparation

Microorganism	Type Of Microorganism	Food or Beverage
Acetobacter aceti	bacterium	chocolate
Acetobacter aceti	bacterium	vinegar
Acetobacter cerevisiae	bacterium	Beer
Acetobacter fabarum	bacterium	chocolate
Acetobacter fabarum	bacterium	coffee
Acetobacter lovaniensis	bacterium	vegetables
Acetobacter malorum	bacterium	vinegar
Acetobacter orientalis	bacterium	vegetables
Acetobacter pasteurianus	bacterium	chocolate
Acetobacter pasteurianus	bacterium	vinegar
Acetobacter pomorum	bacterium	vinegar
Acetobacter syzygii	bacterium	chocolate
Acetobacter syzygii	bacterium	vinegar
Acetobacter tropicalis	bacterium	chocolate
Acetobacter tropicalis	bacterium	coffee
Arthrobacter arilaitensis	bacterium	smear-ripened cheese
Arthrobacter bergerei	bacterium	smear-ripened cheese
Arthrobacter globiformis	bacterium	smear-ripened cheese
Arthrobacter nicotianae	bacterium	surface-ripened cheese
Arthrobacter nicotianae	bacterium	Tilsit cheese
Arthrobacter variabilis	bacterium	smear-ripened cheese
Aspergillus acidus	fungus	tea
Aspergillus niger	fungus	awamori
Aspergillus fumigatus	fungus	chocolate
Aspergillus oryzae	fungus	miso
Aspergillus oryzae	fungus	sake
Aspergillus oryzae	fungus	soy sauce
Aspergillus sojae	fungus	miso
Aspergillus sojae	fungus	soy sauce

Microorganism	Type Of Microorganism	Food or Beverage
Bacillus cereus	bacterium	chocolate
Bacillus coagulans	bacterium	chocolate
Bacillus licheniformis	bacterium	chocolate
Bacillus pumilus	bacterium	chocolate
Bacillus sphaericus	bacterium	stinky tofu
Bacillus stearothermophilus	bacterium	chocolate
Bacillus subtilis	bacterium	chocolate
Bacillus subtilis	bacterium	natto
Bifidobacterium adolescentis	bacterium	yogurt
Bifidobacterium animalis	bacterium	daisy
Bifidobacterium bifidum	bacterium	daisy
Bifidobacterium breve	bacterium	daisy
Bifidobacterium breve	bacterium	soy
Bifidobacterium infantis	bacterium	daisy
Bifidobacterium lactis	bacterium	daisy
Bifidobacterium longum	bacterium	daisy
Bifidobacterium pseudolongum	bacterium	daisy
Bifidobacterium thermophilum	bacterium	daisy
Brachybacterium alimentarium	bacterium	Beaufort cheese
Brachybacterium alimentarium	bacterium	Gruyère cheese
Brachybacterium tyrofermentans	bacterium	Beaufort cheese
Brachybacterium tyrofermentans	bacterium	Gruyère cheese
Brevibacterium aurantiacum	bacterium	cheese
Brevibacterium casei	bacterium	smear-ripened cheese
Brevibacterium linens	bacterium	smear-ripened cheese
Candida colliculosa	fungus	cheese
Candida colliculosa	fungus	kefir
Candida exiguus	fungus	sourdough bread
Candida humicola	fungus	chocolate
Candida kefyr	fungus	surface-ripened cheese

Microorganism	Type Of Microorganism	Food or Beverage
Candida krusei	fungus	surface-ripened cheese
Candida milleri	fungus	sourdough bread
Candida mycoderma[10]	fungus	Limburger cheese
Candida pelliculosa	fungus	chocolate
Candida rugosa	fungus	chocolate
Candida tropicalis	fungus	chocolate
Candida utilis	fungus	cheese
Candida valida[10]	fungus	sourdough
Candida vini[10]	fungus	Reblochon cheese, wine
Candida zeylanoides	fungus	Reblochon cheese
Carnobacterium divergens	bacterium	cheese
Carnobacterium divergens	bacterium	fish
Carnobacterium divergens	bacterium	meat
Carnobacterium maltaromaticum	bacterium	dairy
Carnobacterium piscicola	bacterium	meat
Corynebacterium ammoniagenes	bacterium	cheese
Corynebacterium casei	bacterium	smear-ripened cheese
Corynebacterium flavescens	bacterium	cheese
Corynebacterium mooreparkense	bacterium	smear-ripened cheese
Corynebacterium variabile	bacterium	cheese
Cyberlindnera mrakii	fungus	wine
Cystofilobasidium infirmominiatum	fungus	cheese
Debaryomyces hansenii	fungus	smear-ripened cheese
Debaryomyces hansenii	fungus	Reblochon cheese
Debaryomyces kloeckeri	fungus	Limburger cheese
Enterococcus faecalis	bacterium	cheese
Enterococcus faecalis	bacterium	cream
Enterococcus faecalis	bacterium	ham
Enterococcus faecalis	bacterium	miso
Enterococcus faecalis	bacterium	pickle

Microorganism	**Type Of Microorganism**	**Food or Beverage**
Enterococcus faecalis	bacterium	sausage
Enterococcus faecalis	bacterium	soy sauce
Enterococcus faecium	bacterium	Manchego cheese
Enterococcus faecium	bacterium	ham
Enterococcus faecium	bacterium	miso
Enterococcus faecium	bacterium	pickle
Enterococcus faecium	bacterium	soy sauce
Fusarium domesticum	fungus	cheese
Geotrichum candidum	fungus	cheese
Gluconacetobacter azotocaptans	bacterium	chocolate
Gluconacetobacter azotocaptans	bacterium	coffee
Gluconacetobacter diazotrophicus	bacterium	chocolate
Gluconacetobacter diazotrophicus	bacterium	coffee
Gluconacetobacter entanii	bacterium	vinegar
Gluconacetobacter europaeus	bacterium	vinegar
Gluconacetobacter hansenii	bacterium	vinegar
Gluconacetobacter johannae	bacterium	chocolate
Gluconacetobacter johannae	bacterium	coffee
Gluconacetobacter oboediens	bacterium	vinegar
Gluconacetobacter xylinus	bacterium	vinegar
Gluconobacter oxydans	bacterium	chocolate
Hafnia alvei	bacterium	cheese
Halomonas elongata	bacterium	meat
Issatchenkia orientalis	fungus	kefir
Kazachstania exigua	fungus	kefir
Kazachstania unispora	fungus	kefir
Kloeckera africana	fungus	chocolate
Kloeckera apis	fungus	chocolate
Kloeckera javanica	fungus	chocolate
Kluyveromyces lactis	fungus	cheese

Microorganism	**Type Of Microorganism**	**Food or Beverage**
Kluyveromyces marxianus	fungus	cheese
Kluyveromyces marxianus	fungus	chocolate
Kocuria rhizophila	bacterium	cheese
Kocuria rhizophila	bacterium	meat
Kocuria varians	bacterium	dairy
Kocuria varians	bacterium	sausage
Lactobacillus acetotolerans	bacterium	fruit
Lactobacillus acetotolerans	bacterium	sourdough bread
Lactobacillus acetotolerans	bacterium	vegetables
Lactobacillus acidifarinae	bacterium	sourdough bread
Lactobacillus acidipiscis	bacterium	dairy
Lactobacillus acidipiscis	bacterium	fish
Lactobacillus acidophilus	bacterium	vegetables
Lactobacillus acidophilus	bacterium	yogurt
Lactobacillus alimentarius	bacterium	fish
Lactobacillus alimentarius	bacterium	meat
Lactobacillus brevis	bacterium	Canestrato Pugliese cheese
Lactobacillus brevis	bacterium	vegetables
Lactobacillus brevis ssp. *linens*	bacterium	kefir
Lactobacillus bucheri	bacterium	bread
Lactobacillus bucheri	bacterium	wine
Lactobacillus cacaonum	bacterium	chocolate
Lactobacillus casei	bacterium	Idiazabal cheese
Lactobacillus casei	bacterium	Manchego cheese
Lactobacillus casei	bacterium	Roncal cheese
Lactobacillus casei	bacterium	yogurt
Lactobacillus casei ssp. *pseudoplantarum*	bacterium	Grana Padano cheese
Lactobacillus casei ssp. *pseudoplantarum*	bacterium	Parmigiano-Reggiano cheese
Lactobacillus cellobiosus	bacterium	chocolate
Lactobacillus collinoides	bacterium	cider

Microorganism	Type Of Microorganism	Food or Beverage
Lactobacillus composti	bacterium	*shōchū*
Lactobacillus coryniformis	bacterium	cheese
Lactobacillus crispatus	bacterium	sourdough bread
Lactobacillus curvatus	bacterium	Cacio di Fossa cheese
Lactobacillus curvatus	bacterium	Canestrato Pugliese cheese
Lactobacillus curvatus	bacterium	Pecorino Romano cheese
Lactobacillus curvatus	bacterium	Pecorino Sardo cheese
Lactobacillus curvatus	bacterium	sausage
Lactobacillus delbrueckii	bacterium	vegetables
Lactobacillus delbrueckii ssp. *bulgaricus*	bacterium	cheese
Lactobacillus delbrueckii ssp. *bulgaricus*	bacterium	yogurt
Lactobacillus delbrueckii ssp. *lactis*	bacterium	Pecorino Romano cheese
Lactobacillus dextrinicus	bacterium	meat
Lactobacillus diolivorans	bacterium	chicha
Lactobacillus fabifermentans	bacterium	chocolate
Lactobacillus farciminis	bacterium	fish
Lactobacillus farciminis	bacterium	soy
Lactobacillus fermentum	bacterium	chocolate
Lactobacillus fermentum	bacterium	Pecorino Romano cheese
Lactobacillus fermentum	bacterium	sourdough bread
Lactobacillus gasseri	bacterium	dairy
Lactobacillus gasseri	bacterium	sourdough bread
Lactobacillus ghanensis	bacterium	chocolate
Lactobacillus hammesii	bacterium	sourdough bread
Lactobacillus harbinensis	bacterium	vegetables
Lactobacillus helveticus	bacterium	cheese
Lactobacillus helveticus	bacterium	vegetables
Lactobacillus hilgardii	bacterium	chocolate
Lactobacillus hilgardii	bacterium	wine
Lactobacillus homohiochii	bacterium	sake

Microorganism	Type Of Microorganism	Food or Beverage
Lactobacillus homohiochii	bacterium	sourdough bread
Lactobacillus jensenii	bacterium	bread
Lactobacillus johnsonii	bacterium	dairy
Lactobacillus johnsonii	bacterium	sourdough bread
Lactobacillus kefiranofaciens	bacterium	kefir
Lactobacillus kefiri	bacterium	kefir
Lactobacillus kimchii	bacterium	kimchi
Lactobacillus kisonensis	bacterium	pickle
Lactobacillus kunkeei	bacterium	wine
Lactobacillus mali	bacterium	cider
Lactobacillus mali	bacterium	rum
Lactobacillus mali	bacterium	wine
Lactobacillus manihotivorans	bacterium	cassava
Lactobacillus mindensis	bacterium	sourdough bread
Lactobacillus mucosae	bacterium	sourdough bread
Lactobacillus nagelii	bacterium	wine
Lactobacillus namuresis	bacterium	sourdough bread
Lactobacillus nantesis	bacterium	sourdough bread
Lactobacillus nodensis	bacterium	dairy
Lactobacillus oeni	bacterium	wine
Lactobacillus otakiensis	bacterium	pickle
Lactobacillus panis	bacterium	sourdough bread
Lactobacillus parabrevis	bacterium	cheese
Lactobacillus parabrevis	bacterium	kefir
Lactobacillus parabrevis	bacterium	vegetables
Lactobacillus parabuchneri	bacterium	sourdough bread
Lactobacillus paracasei	bacterium	dairy
Lactobacillus paracasei	bacterium	meat
Lactobacillus paracasei ssp. *paracasei*	bacterium	Cacio di Fossa cheese
Lactobacillus paracasei ssp. *paracasei*	bacterium	Canestrato Pugliese cheese

Microorganism	Type Of Microorganism	Food or Beverage
Lactobacillus paracasei ssp. *paracasei*	bacterium	Pecorino Sardo cheese
Lactobacillus parakefiri	bacterium	kefir
Lactobacillus paralimentarius	bacterium	sourdough bread
Lactobacillus paraplantarum	bacterium	cheese
Lactobacillus paraplantarum	bacterium	vegetables
Lactobacillus pentosus	bacterium	Canestrato Pugliese cheese
Lactobacillus pentosus	bacterium	fish
Lactobacillus pentosus	bacterium	fruit
Lactobacillus pentosus	bacterium	wine
Lactobacillus perolens	bacterium	cheese
Lactobacillus perolens	bacterium	vegetables
Lactobacillus plantarum	bacterium	Cacio di Fossa cheese
Lactobacillus plantarum	bacterium	Canestrato Pugliese cheese
Lactobacillus plantarum	bacterium	chocolate
Lactobacillus plantarum	bacterium	Idiazabal cheese
Lactobacillus plantarum	bacterium	Manchego cheese
Lactobacillus plantarum	bacterium	Pecorino Romano cheese
Lactobacillus plantarum	bacterium	Roncal cheese
Lactobacillus plantarum	bacterium	sausage
Lactobacillus plantarum	bacterium	vegetables
Lactobacillus pobuzihii	bacterium	fruit
Lactobacillus pontis	bacterium	sourdough bread
Lactobacillus rapi	bacterium	pickle
Lactobacillus rapi	bacterium	vegetables
Lactobacillus reuteri	bacterium	sourdough bread
Lactobacillus rhamnosus	bacterium	Grana Padano cheese
Lactobacillus rhamnosus	bacterium	Parmigiano-Reggiano cheese
Lactobacillus rhamnosus	bacterium	meat
Lactobacillus rhamnosus	bacterium	vegetables
Lactobacillus rossiae	bacterium	sourdough bread

Microorganism	Type Of Microorganism	Food or Beverage
Lactobacillus sakei	bacterium	sake
Lactobacillus sakei	bacterium	sausage
Lactobacillus salivarius	bacterium	dairy
Lactobacillus sanfranciscensis	bacterium	sourdough bread
Lactobacillus satsumensis	bacterium	*shōchū*
Lactobacillus secaliphilus	bacterium	sourdough bread
Lactobacillus senmaizukei	bacterium	pickles
Lactobacillus siliginis	bacterium	sourdough bread
Lactobacillus similis	bacterium	rum
Lactobacillus spicheri	bacterium	sourdough bread
Lactobacillus suebicus	bacterium	fruit
Lactobacillus spp.	bacterium	butter
Lactobacillus spp.	bacterium	olive
Lactobacillus sunkii	bacterium	pickle
Lactobacillus tucceti	bacterium	dairy
Lactobacillus tucceti	bacterium	sausage
Lactobacillus vaccinostercus	bacterium	fruit
Lactobacillus vaccinostercus	bacterium	vegetables
Lactobacillus versmoldesis	bacterium	sausage
Lactobacillus yamanashiensis	bacterium	cider
Lactobacillus yamanashiensis	bacterium	wine
Lactococcus lactis	bacterium	buttermilk
Lactococcus lactis	bacterium	chocolate
Lactococcus lactis ssp. *cremoris*	bacterium	Cheddar cheese
Lactococcus lactis ssp. *lactis*	bacterium	cheese
Lactococcus raffinolactis	bacterium	cheese
Lactococcus spp.	bacterium	butter
Lecanicillium lecanii	fungus	cheese
Leuconostoc carnosum	bacterium	meat
Leuconostoc citreum	bacterium	cheese

Microorganism	**Type Of Microorganism**	**Food or Beverage**
Leuconostoc citreum	bacterium	fish
Leuconostoc fallax	bacterium	sauerkraut
Leuconostoc holzapfelii	bacterium	coffee
Leuconostoc inhae	bacterium	kimchi
Leuconostoc kimchii	bacterium	kimchi
Leuconostoc lactis	bacterium	cheese
Leuconostoc mesenteroides	bacterium	chocolate
Leuconostoc mesenteroides	bacterium	vegetables
Leuconostoc mesenteroides ssp. *cremoris*	bacterium	cheese
Leuconostoc mesenteroides ssp. *cremoris*	bacterium	vegetables
Leuconostoc mesenteroides ssp. *dextranicum*	bacterium	butter
Leuconostoc mesenteroides ssp. *dextranicum*	bacterium	Idiazabal cheese
Leuconostoc mesenteroides ssp. *dextranicum*	bacterium	pickle
Leuconostoc mesenteroides ssp. *dextranicum*	bacterium	Roncal cheese
Leuconostoc mesenteroides ssp. *mesenteroides*	bacterium	Idiazabal cheese
Leuconostoc mesenteroides ssp. *mesenteroides*	bacterium	Roncal cheese
Leuconostoc palmae	bacterium	palm wine
Leuconostoc pseudomesenteroides	bacterium	butter
Leuconostoc pseudomesenteroides	bacterium	buttermilk
Leuconostoc pseudomesenteroides	bacterium	sour cream
Leuconostoc spp.	bacterium	butter
Leuconostoc spp.	bacterium	olive
Leuconostoc spp.	bacterium	wine
Macrococcus caseolyticus	bacterium	cheese
Macrococcus caseolyticus	bacterium	sausage
Microbacterium foliorum	bacterium	surface-ripened cheese
Microbacterium gubbeenense	bacteria	Limburger cheese
Microbacterium gubbeenense	bacterium	smear-ripened cheese
Microbacterium gubbeenense	bacteria	Tilsit cheese
Micrococcus luteus	bacterium	cheese

Microorganism	**Type Of Microorganism**	**Food or Beverage**
Micrococcus lylae	bacterium	sausage
Mucor hiemalis	fungus	soy bean curd
Mucor plumbeus	fungus	cheese
Mucor racemosus	fungus	cheese
Mucor racemosus	fungus	chocolate
Neurospora intermedia	fungus	oncom
Oenococcus oeni	bacterium	wine
Pediococcus acidilactici	bacterium	sausage
Pediococcus acidilactici	bacterium	vegetables
Pediococcus pentosaceus	bacterium	sausage
Penicillium album	fungus	farmhouse cheeses
Penicillium camemberti	fungus	cheese
Penicillium caseifulvum	fungus	cheese
Penicillium chrysogenum	fungus	cheese
Penicillium chrysogenum	fungus	sausage
Penicillium commune	fungus	surface-ripened cheese
Penicillium nalgiovense	fungus	cheese
Penicillium nalgiovense	fungus	ham
Penicillium nalgiovense	fungus	sausage
Penicillium roqueforti	fungus	cheese
Penicillium solitum	fungus	meat
Pichia fermentans	fungus	dairy
Pichia fermentans	fungus	kefir
Pichia fermentans	fungus	wine
Propionibacterium acidipropionici	bacterium	cheese
Propionibacterium freudenreichii ssp. *freudenreichii*	bacterium	dairy
Propionibacterium freudenreichii ssp. *shermanii*	bacterium	Emmental cheese
Propionibacterium jensenii	bacterium	cheese
Propionibacterium thoenii	bacterium	cheese

Microorganism	**Type Of Microorganism**	**Food or Beverage**
Proteus vulgaris	bacterium	surface-ripened cheese
Pseudomonas fluorescens	bacterium	yogurt
Psychrobacter celer	bacterium	cheese
Rhizopus microsporus ssp. *oligosporus*	fungus	oncom
Rhizopus microsporus ssp. *oligosporus*	fungus	tempeh
Rhodosporidium infirmominiatum	fungus	cheese
Rhodotorula glutinis	fungus	chocolate
Rhodotorula minuta	fungus	smear-ripened cheese
Rhodotorula rubra	fungus	chocolate
Saccharomyces bayanus	fungus	beer
Saccharomyces bayanus	fungus	cider
Saccharomyces bayanus	fungus	wine
Saccharomyces carlsbergensis	fungus	lager beer
Saccharomyces cerevisiae	fungus	ale beer
Saccharomyces cerevisiae	fungus	bread
Saccharomyces cerevisiae	fungus	cider
Saccharomyces cerevisiae	fungus	cheese
Saccharomyces cerevisiae	fungus	chocolate
Saccharomyces cerevisiae	fungus	wine
Saccharomyces pastorianus	fungus	lager beer
Saccharomyces rouzii	fungus	miso
Saccharomyces uvarum	fungus	lager beer
Staphylococcus carnosus	bacterium	cheese
Staphylococcus carnosus ssp. *carnosus*	bacterium	sausage
Staphylococcus condimenti	bacterium	soy
Staphylococcus equorum	bacterium	meat
Staphylococcus equorum ssp. *linens*	bacterium	cheese
Staphylococcus fleurettii	bacterium	cheese
Staphylococcus piscifermentans	bacterium	fish
Staphylococcus saphrophyticus	bacterium	Harzer cheese

Microorganism	Type Of Microorganism	Food or Beverage
Staphylococcus sciuri ssp. *carnaticus*	bacterium	cheese
Staphylococcus simulans	bacterium	sausage
Staphylococcus succinus	bacterium	dairy
Staphylococcus succinus	bacterium	meat
Staphylococcus vitulinus	bacterium	cheese
Staphylococcus vitulinus	bacterium	meat
Staphylococcus warneri	bacterium	meat
Staphylococcus xylosus	bacterium	cheese
Staphylococcus xylosus	bacterium	sausage
Streptococcus gallolyticus	bacterium	dairy
Streptococcus salivarius	bacterium	yogurt
Streptococcus thermophilus	bacterium	cheese
Streptococcus thermophilus	bacterium	yogurt
Streptomyces griseus	bacterium	meat
Tetragenococcus halophilus	bacterium	miso
Tetragenococcus halophilus	bacterium	soy sauce
Tetragenococcus koreensis	bacterium	kimchi
Torulaspora delbrueckii	fungus	smear-ripened cheese
Torulopsis versatilis	fungus	miso
Thrichosporon beigelii	fungus	smear-ripened cheese
Verticillium lecanii	fungus	Tomme cheese
Weissella beninensis	bacterium	cassava
Weissella cibaria	bacterium	kimchi
Weissella fabaria	bacterium	chocolate
Weissella ghanesis	bacterium	chocolate
Weissella koreensis	bacterium	kimchi
Weissella paramesenteroides	bacterium	sausage
Weissella thailandensis	bacterium	fish
Yarrowia lipolytica	fungus	Raclette cheese
Yarrowia lipolytica	fungus	smear-ripened cheese

Microorganism	**Type Of Microorganism**	**Food or Beverage**
Yarrowia lipolytica	fungus	dairy
Zygotorulaspora florentina	fungus	kefir
Zymomonas mobilis	bacterium	palm wine
Zymomonas mobilis	bacterium	pulque