

English Name	Application fields	Use yeast extract or not?	Recommendation of Angel yeast extract
Biological bait	Agriculture	yes	FM902
			LM800
Mashroom	Agriculture	yes	FM902
			LM800
Rhizobia	Agriculture	yes	FM902
			YP101
Photosynthetic bacteria	Agriculture	yes	LM800
Microorganism Fertilizer	Agriculture	yes	FM902
			LM800
			YP101
Microecologies	Agriculture/Animal feed	yes	FM902
			LM800
Effective Microorganisms	Agriculture/Environment	yes	FM902
			LM800
L-isoleucine	Amino acids	yes	FM902
			LM800
Glutmate	Amino acids	yes	FM902
L-Leucine	Amino acids	yes	FM902
			LM800
L-Glutamine	Amino acids	Unknown	
S-adenosylmethionine (SAME)	Amino acids	yes	FM902
			LD00
L-Tryptophan	Amino acids	yes	FM803
			FM902
			LD00
			LM800
L-Alanine	Amino acids	yes	FM902
L-Phenylalanine	Amino acids	yes	LD00
			LM800
L-Threonine	Amino acids	yes	FM902
			LD00
			LM800

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L-Arginine	Amino acids	yes	FM803
			LM800
L-Valine	Amino acids	yes	FM902
			LM800
L-Serine	Amino acids	Unknown	
L-Lysine	Amino acids	yes	FM902
			LM800
Xanthan	Bio-conversion	yes	FM902
			LM800
			YP101
Gellan gum	Bio-conversion	yes	FM902
			LM800
			YP101
Glycerol	Bio-conversion	Unknown	
1,3-propanediol (PDO)	Bio-conversion	yes	FM902
2,3-butandiol	Bio-conversion	Unknown	
Butanol	Bio-conversion	Unknown	
Acrylamide	Bio-conversion	yes	FM902
			FM860
			LP101
			LM800
Nicotinamide	Bio-conversion	yes	FM902
			FM860
			LP101
			LM800
Hydroxyacetic acid	Bio-conversion	Unknown	
Pullulan	Bio-conversion	Unknown	
Polysaccharide	Bio-conversion	yes	FM803
			FM902
Cordyceps polysacchride	Bio-conversion	yes	FM902
			FM860
			LM800

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D- ribose	Bio-conversion	yes	LM800
Xylitol	Bio-conversion	yes	LM800
Polyhydroxyalkanoates (PHAs)	Biodegradable Plastics	yes	FM803
Polylactic acid	Biodegradable Plastics	Unknown	
Bacillus thuringiensis	Biological pesticide	yes	YP101 LM800
Spinosad	Biological pesticide	Unknown	
Abscisic Acid (ABA)	Biological pesticide	Unknown	
Natamycin	Biological preservatives	yes	YP101 LM800
Nisin	Biological preservatives	yes	FM803
			FM902
			FM860
			LM800
Polylysine	Biological preservatives	yes	FM902
Dihydroxysuccinic acid	Biopharmaceuticals	yes	YP101 LM800
Clavulanic acid	Biopharmaceuticals	Unknown	
Pneumocandin B0	Biopharmaceuticals	Unknown	
zhongshengmycin	Biopharmaceuticals	Unknown	
Gentamicin B	Biopharmaceuticals	Unknown	
Pravastatin	Biopharmaceuticals	Unknown	
Distamycin	Biopharmaceuticals	Unknown	
Paclitaxel	Biopharmaceuticals	Unknown	
AmphotericinB	Biopharmaceuticals	Unknown	
Spectinomycin	Biopharmaceuticals	Unknown	
Acarbose	Biopharmaceuticals	Unknown	
Monensin	Biopharmaceuticals	Unknown	
Tobramycin	Biopharmaceuticals	Unknown	
Apramycin	Biopharmaceuticals	Unknown	
Bruneomycin	Biopharmaceuticals	Unknown	

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Gentamicin C	Biopharmaceuticals	Unknown	
Capreomycin	Biopharmaceuticals	Unknown	
Gibberellin (GA3)	Biopharmaceuticals	Unknown	
Vancomycin	Biopharmaceuticals	yes	FM803 FM902 YP101
Neomycin sulfate	Biopharmaceuticals	yes	YP101 LM800
Pristinamycin	Biopharmaceuticals	Unknown	
Erythromycin	Biopharmaceuticals	Unknown	
Spiramycin/Rovamycin	Biopharmaceuticals	Unknown	
Tacrolimus	Biopharmaceuticals	yes	YP101
A Cyclosporin A	Biopharmaceuticals	Unknown	
Cephalosporin C	Biopharmaceuticals	yes	FM902 LM800
7-ACA	Biopharmaceuticals	yes	FM902 FM801 LM800
Flavomycin	Biopharmaceuticals	Unknown	
Daunomycin	Biopharmaceuticals	Unknown	
Carminomycin	Biopharmaceuticals	Unknown	
Bleomycin	Biopharmaceuticals	Unknown	
Lovastatin	Biopharmaceuticals	Unknown	
Lipstatin	Biopharmaceuticals	Unknown	
Paromomycin	Biopharmaceuticals	Unknown	
Tylosin	Biopharmaceuticals	yes	FM902 YP101 LM800
Kasugamycin	Biopharmaceuticals	yes	FM902 YP101
Polyoxin	Biopharmaceuticals	Unknown	
Compactin	Biopharmaceuticals	Unknown	

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Daptomycin	Biopharmaceuticals	Unknown	
Ramoplanin	Biopharmaceuticals	Unknown	
Demethylchlortetracycline (DMCT)	Biopharmaceuticals	Unknown	
Lincomycin	Biopharmaceuticals	yes	FM803 FM902 YP101
Chlortetracycline	Biopharmaceuticals	yes	YP101
Tetracycline	Biopharmaceuticals	yes	
Oxytetracycline	Biopharmaceuticals	yes	LM800
Streptomycin	Biopharmaceuticals	Unknown	
Rifamycin	Biopharmaceuticals	Unknown	
Fusidic Acid	Biopharmaceuticals	Unknown	
Medimycin	Biopharmaceuticals	Unknown	
Maduramicin	Biopharmaceuticals	Unknown	
Mitomycin C	Biopharmaceuticals	Unknown	
Rapamycin Sirolimus	Biopharmaceuticals	Unknown	
Ascomycin	Biopharmaceuticals	Unknown	
Penicillin G	Biopharmaceuticals	Unknown	
Kanamycin	Biopharmaceuticals	Unknown	
RIFAMYCIN	Biopharmaceuticals	Unknown	
Abamectin	Biopharmaceuticals	yes	LM800
Enramycin	Biopharmaceuticals	Unknown	
Mycophenoic acid	Biopharmaceuticals	Unknown	
Avilamycin	Biopharmaceuticals	Unknown	
Salinomycin	Biopharmaceuticals	Unknown	
Nystatin	Biopharmaceuticals	Unknown	
Pleuromutilin	Biopharmaceuticals	Unknown	
Monensin	Biopharmaceuticals	Unknown	
Lysergic acid	Biopharmaceuticals	Unknown	
Bacitracin	Biopharmaceuticals	yes	LM800
Antimicrobial peptide	Biopharmaceuticals	yes	FM803 FM902

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Vaccine	Biopharmaceuticals	yes	FM888 FM808
Mupirocin	Biopharmaceuticals	Unknown	
Validamycin	Biopharmaceuticals	Unknown	
Miglitol	Biopharmaceuticals	Unknown	
Nikkomycin	Biopharmaceuticals	Unknown	
Polymyxin B	Biopharmaceuticals	Unknown	
Polymyxin E	Biopharmaceuticals	Unknown	
AMOXICILLIN	Biopharmaceuticals	Unknown	
Tiamulin	Biopharmaceuticals	Unknown	
Fosfomycin	Biopharmaceuticals	Unknown	
Chloramphenicol	Biopharmaceuticals	Unknown	
Griseofulvin	Biopharmaceuticals	Unknown	
Micronomicin	Biopharmaceuticals	Unknown	
Virginmycin	Biopharmaceuticals	Unknown	
Armillarisin	Biopharmaceuticals	Unknown	
Milbemycin	Biopharmaceuticals	Unknown	
Moxidectin	Biopharmaceuticals	Unknown	
Doramectin	Biopharmaceuticals	Unknown	
Tulathromycin	Biopharmaceuticals	Unknown	
micafungin	Biopharmaceuticals	Unknown	
anidulafungin	Biopharmaceuticals	Unknown	
Liuyangmycin	Biopharmaceuticals	Unknown	
Ningnanmycin	Biopharmaceuticals	Unknown	
streptomycin	Biopharmaceuticals	Unknown	
Veglibose	Biopharmaceuticals	Unknown	
Doxorubicin	Biopharmaceuticals	Unknown	
Dactinomycin D	Biopharmaceuticals	Unknown	
Epirubicin	Biopharmaceuticals	Unknown	
Idarubicin	Biopharmaceuticals	Unknown	
Pirarubicin	Biopharmaceuticals	Unknown	
Atorvastatin	Biopharmaceuticals	Unknown	

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Rosuvastatin	Biopharmaceuticals	Unknown	
Simvastatin	Biopharmaceuticals	Unknown	
Fluvastatin	Biopharmaceuticals	Unknown	
SPIRONOLACTONE	Biopharmaceuticals	Unknown	
Eplerenone	Biopharmaceuticals	Unknown	
Orlistat	Biopharmaceuticals	yes	FM803 FM902
Insulin	Biopharmaceuticals	yes	FM888 FM808
Culture media	Culture media	yes	FM888
Rhamnolipid biosurfactant	Environment	yes	LM800
Environmental Microorganism	Environment	yes	YP101 LM800
Phytase	Enzymes	yes	FM803 FM902 FM801 LM800
Celluase/Hemicellulase	Enzymes	yes	FM902 FM801 LM800
Lactate dehydrogenase	Enzymes	yes	FM803 FM902
Rennin	Enzymes	yes	FM860
Natto kinase	Enzymes	yes	FM888 FM902
Amylase	Enzymes	yes	FM803 FM902
Diastatic enzyme	Enzymes	yes	FM902 LM800
Lactase	Enzymes	yes	FM902
Catalase	Enzymes	yes	FM902

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Lipase	Enzymes	yes	FM902
Protease	Enzymes	Unknown	
Acylase	Enzymes	Unknown	
Penicillin G amidase	Enzymes	Unknown	
Superoxide Dismutase (SOD)	Enzymes	yes	FM902
Glutaminetransaminase (TG)	Enzymes	yes	LM800
Glutathione (GSH)	Functional peptides	yes	FM902
			LM800
Anostenedione (AD)	Hormones	yes	FM803
			FM902
			FM860
			LM800
androsta-1,4-diene-3,17-dione (ADD)	Hormones	yes	FM803
			FM902
			FM860
			LM800
Prednisolone	Hormones	yes	FM803
			FM902
			FM860
			LM800
Testosterone	Hormones	yes	FM803
			FM902
			FM860
			LM800
Methandrostenolone	Hormones	yes	FM803
			FM902
			FM860
			LM800
Hydrocortisone	Hormones	yes	FM803
			FM902
			FM860
			LM800

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Pregna 1, 4, 9, 17 acetate	Hormones	yes	FM803
			FM902
			FM860
			LM800
Pregna 1, 2, 9, 21 acetate	Hormones	yes	FM803
			FM902
			FM860
			LM800
Guanosine	Nucleosides	yes	FM803
			FM902
			LM800
Inosine	Nucleosides	yes	FM803
			FM902
			LM800
Adenosine	Nucleosides	yes	FM803
			FM902
			LM800
Arachidonic acid (AA)	Organic acids	yes	YP101
			LM800
Hyaluronic acid (HA)	Organic acids	yes	FM888
			FM808
			FM803
Itaconic	Organic acids	Unknown	
Long-chain dicarboxylic acid	Organic acids	yes	FM803
			FM902
Pyruvic acid	Organic acids	Unknown	
Citric acid	Organic acids	Unknown	
Shikimic Acid	Organic acids	Unknown	
L-Lactic acid	Organic acids	yes	FM803
			FM902
			LM800
Succinic acid	Organic acids	Unknown	

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Malic acid	Organic acids	Unknown	
Taurine	Organic acids	Unknown	
Acetic acid, Vinegar	Organic acids	yes	FM803 FM902 LM800
Docosahexaenic Acid(DHA)	Organic acids	yes	FM803 FM902 YP101 LM800
Kojic acid	Organic acids	yes	LM800
calcium propionate	Other	yes	FM902 LM800
Pipeline detection	Other	yes	FM803
Monascorubin	Other	yes	FM902 LM800
Marine microorganism	Other	yes	FM902
Bacillus subtilis	Probiotics	yes	LM800
Clostridium butyricum	Probiotics	yes	FM803 FM902 YP101
Lactobacillus acidophilus, bifidobacterium, Streptococcus thermophilus	Probiotics	yes	FM803 FM902 LM800
Dairy starter	Probiotics	Yes	FM808 FM803 FM902
Erythritol	Sweetener	yes	FM902 FM801 LM800
Xylo oligosaccharides	Sweetener	yes	FM803 FM902
Isomaltulose	Sweetener	yes	LM800

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Vitamin B12	Vitamins	Unknown	LM815
Vitamin C	Vitamins	yes	LM800
			LM815
Vitamin B2	Vitamins	yes	FM801
			YP101
			LM800
Vitamin B5	Vitamins	yes	FM803
			FM902
Beta Carotene	Vitamins	Unknown	
Coenzyme Q10	Vitamins	yes	FM803
			FM902
			LM800
Lycopene	Vitamins	Unknown	
Astaxanthin	Vitamins	Unknown	
Vitamin D2	Vitamins	Unknown	
Vitamin D3	Vitamins	Unknown	
Vitamin A	Vitamins	Unknown	
Vitamin H	Vitamins	Unknown	
D-isoascorbate	Vitamins	Unknown	
Ergosterol	Vitamins	Unknown	
Pit mud	Wine	yes	FM902
			LM800
Health wine	Wine	yes	FM803
			FM902