



List of Approved Microorganisms for use in the Production of Enzymes

Acetobacter spp.

Achromobacter denitrificans syn. *Alcaligenes denitrificans*

Acremonium cellulolyticus

Actinomadura viridis syn. *Microtetraspora viridis*, *Actinomadura malachitica*

Ampelomyces quisqualis syn. *Cicinnobolus cesatti*

Anabaena cylindrica

Anaerobacter polyendosporus

Aspergillus aculeatus

Aspergillus brasiliensis

Aspergillus flavus

Aspergillus niger

Aspergillus oryzae

Azorhizobium caulinodans

Bacillus acidopullulyticus

Bacillus amyloliquefaciens

Bacillus coagulans

Bacillus ginsengihumi

Bacillus halodurans

Bacillus licheniformis

Bacillus methylotrophicus

Bacillus mojavensis

Bacillus pumilus syn. *Bacillus mesentericus*, *Bacillus aminoglucoSIDICUS*

Bacillus simplex

Bacillus subtilis

Bacillus thuringiensis



Beauveria bassiana syn. *Tritirachium shiotae*
Bifidobacterium spp.
Brevibacillus brevis syn. *Bacillus brevis*
Brevibacterium linens
Candida spp
Chaetomium gracile
Citrobacter koseri
Citeromyces spp.
Clavispora spp.
Debaryomyces spp.
Dehalobacter spp.
Dehalococcoides spp.
Dehalogenimonas spp.
Dekkera spp.
Delftia acidovorans syn. *Comamonas acidovorans*, *Pseudomonas acidovorans*
Ensifer adhaerens syn. *Sinorhizobium adhaerens*
Ensifer meliloti syn. *Sinorhizobium meliloti*, *Rhizobium meliloti*
Enterobacter asburiae
Enterococcus durans
Enterococcus faecalis
Enterococcus faecium
Erwinia tasmaniensis
Fusarium venenatum
Geobacter spp.
Geotrichum candidum
Gigaspora margarita
Gliocadium catenatum
Hansenula spp.
Hasegawaea spp.



Hirsutella rhossiliensis

Humicola insolens

Hyphopichia spp.

Isochrysis galbana

Issatchenkia spp.

Kluyveromyces spp.

Lactic acid bacteria

Lactobacillus spp.

Lactococcus spp.

Leuconostoc spp. (*Oenococcus* spp.)

Metarhizium acridum

Metarhizium anisopliae syn. *Entomophthora anisopliae*

Monascus spp.

Nannochloropsis spp.

Ochrobactrum anthropi

Pediococcus pentosaceus

Paenarthrobacter spp. syn. *Arthrobacter* spp.

Paenibacillus alvei

Paenibacillus brasiliensis

Paenibacillus polymyxa syn. *Bacillus polymyxa*

Penicillium camemberti (also known as *Penicillium camembertii* and *Penicillium candidum*)

Penicillium funiculosum

Penicillium oxalicum

Penicillium roqueforti (also known as *Penicillium roquefortii*)

Penicillium velutinum

Phaffia spp.

Pichia spp.

Pleomorphomonas oryzae

Pristionchus pacificus



Propionibacterium spp.

Pseudomonas antarctica

Pseudomonas citronellolis

Pseudomonas geniculata syn. *Bacillus geniculatus*

Pseudomonas monteilli

Pseudomonas putida syn. *Bacillus fluorescens putidus*, *Bacillus putidus*, *Pseudomonas eisenbergii*, *Pseudomonas convexa*, *Pseudomonas incognita*, *Pseudomonas ovalis*, *Pseudomonas rugosa*, *Pseudomonas striata*

Rhabditis myriophila

Rhizopus spp.

Rhodococcus erythropolis syn. *Mycobacterium erythropolis*, *Nocardia calcarea*, *Arthrobacter picolinophilus*

Rhodococcus pyridinivorans

Saccharomyces spp.

Saccharopolyspora spinosa

Schizosaccharomyces spp.

Schwanniomyces spp.

Scutellospora dipurpurescens

Sporosarcina pasteurii syn. *Bacillus pasteurii*

Staphylococcus carnosus

Staphylococcus xylosus

Streptococcus cremoris

Streptococcus diacetylactis

Streptococcus durans

Streptococcus faecalis

Streptococcus lactis

Streptococcus salivarius

Streptococcus thermophilus

Streptomyces olivaceus

Streptomyces olivochromogenes

Streptomyces murinus



Streptomyces mobaraensis (former name *Streptoverticillium mobaraensis*)

Streptomyces rubiginosus

Streptomyces violaceoruber

Streptoverticillium rectiverticillatum syn. *Streptomyces rectiverticillatus*, *Actinomyces rectiverticillatus*

Suillus granulatus

Talaromyces emersonii (former name *Penicillium emersonii*)

Torulaspora spp.

Torulopsis spp.

Trichoderma harzianum (former name *Trichoderma longibrachiatum*)

Trichoderma reesei

Trichoderma viride

Wolinella succinogens

Xanthobacter spp.

Zygoascus spp.

Zygosaccharomyces spp.
