

LIST OF RESTRICTED MICROORGANISMS PART B

October 25, 2001

SCIENTIFIC NAME

FUNGI

*Absidia* - all species in genus except:

*A. coerulea*                      *A. corymbifera*  
*A. ramosa*                        *A. spinosa*

*Acremonium* - all species in genus except:

*A. falciforme*                    *A. kiliense*  
*A. recifei*                        *A. vitis*

*Agaricus* - all species in genus except:

*A. bitorquis*                      *A. bisporus*  
*A. campestris*                    *Agaricus sp.* (Portabello mushroom)

*Allescheria boydii*

*Aureobasidium* - all species in genus except:

*A. pullulans*

*Basidiobolus ranarum*

*Blakeslea trispora*

*Blastoschizomyces* - all species in genus except:

*B. capitatus*

*Brettanomyces* - all species in genus

*Candida* - all species in genus except:

*C. albicans*                        *C. famata*  
*C. geochares*                      *C. glabrata*  
*C. humicola*                        *C. immitis*  
*C. kefyri*                            *C. krusei*  
*C. lipolytica*                        *C. lusitaniae*  
*C. parapsilosis*                      *C. pseudotropicalis*  
*C. quilliermondii*                    *C. rugosa*  
*C. stellatoidea*                      *C. tropicalis*  
*C. zeylanoides*

*Chaetomium* - all species in genus except:

*C. globosum*

*Chalaropsis* - all species in genus

*Chrysosporium* - all species in genus except:

*C. keratinophilum*                    *C. liquorum*  
*C. pruinatum*

SCIENTIFIC NAME

*Cryptococcus* - all species in genus except:

<i>C. albidus</i>	<i>C. gastricus</i>
<i>C. huminocola</i>	<i>C. laurentii</i>
<i>C. luteolus</i>	<i>C. neoformans</i>
<i>C. terreris</i>	<i>C. uniguttulatus</i>

*Cunninghamella* - all species in genus except:

<i>C. bertholletiae</i>	<i>C. blakesleena</i>
<i>C. elegans</i>	

*Curvularia* - all species in genus except:

<i>C. geniculata</i>
<i>C. lunata</i>

*Entomophthora coronata*

*Epicoccum* - all species in genus except:

<i>E. nigrum</i>
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*Epidermophyton* - all species in genus except:

<i>E. floccosum</i>
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*Exophiala* - all species in genus except:

<i>E. dermatitidis</i>	<i>E. jeanselmei</i>
<i>E. spinifera</i>	<i>E. werneckii</i>

*Fonsecaea* - all species in genus except:

<i>F. compacta</i>
<i>F. pedrosoi</i>

*Fusarium* - all species in genus

*Geotrichium* - all species in genus except:

<i>G. candidum</i>
<i>G. penicillatum</i>

*Gliocladium* - all species in genus except:

<i>G. roseum</i>
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*Glomus* - all species in genus except:

<i>G. brasilianum</i>	<i>G. clarum</i>
<i>G. deserticola</i>	<i>G. etunicatum</i>
<i>G. fasciculatum</i>	<i>G. intraradices</i>
<i>G. monosporus</i>	<i>G. mosseae</i>

*Hansenula* - all species in genus except:

<i>H. anomala</i>	<i>H. pollymorpha</i>
<i>H. wingei</i>	

*Hormodendrom pedrosoi*

*Hyphochytrium catenodites*

*Lagenidium giganteum*

*Macrosporium laminarianum*

SCIENTIFIC NAME

*Malassezia* - all species in genus except:

*M. furfur*

*M. pachydermatis*

*Mortierella ramannianda* var. *angulispora*

*Neurospora* - all species in genus except:

*N. crassa*

*N. tetrasperma*

*Nigrospora* - all species in genus except:

*N. oryzae*

*Phialophora* - all species in genus except:

*P. bubakii*

*P. parasitica*

*P. repens*

*P. richardsiae*

*P. verrucosa*

*Pichia* - all species in genus except:

*P. canadensis*

*P. pastoris*

*Pilobolus* - all species in genus

*Pleurotus* - all species in genus except:

*P. cystidiosus*

*P. djamor*

*P. ostreatus*

*P. sajor-caju*

*Pseudoallescheria* - all species in genus except:

*P. boydii*

*Rhizomucor* - all species in genus

*Rhizopus* - all species in genus except:

*R. stolonifer*

*Saccharomycopsis* - all species in genus

*Schizosaccharomyces* - all species in genus

*Sordaria* - all species in genus except:

*S. fimicola*

*Sporobolomyces* - all species in genus except:

*S. salmonicolor*

*Sporotrichum* - all species in genus except:

*S. pruinosum*

*Stemphylium* - all species in genus except:

*S. sarcinaeforme*

*Trichoderma* - all species in genus except:

*T. harzianum*

*T. virens*

*T. viridae*

*Trichothecium* - all species in genus except:

*T. roseum*

*Ulocladium* - all species in genus except:

*U. atrum*



SCIENTIFIC NAME

*Actinomadura* - all species in genus except:  
     *A. madurae*  
     *A. pelletieri*  
*Actinoplanes philippinensis*  
*Actinomyces* - all species in genus except:  
     *A. odontolyticus*  
     *A. pyrogenes*  
*Aerococcus* - all species in genus except:  
     *A. viridans*  
*Aeromonas* - all species in genus except:  
     *A. caviae*                      *A. hydrophila*  
     *A. sobria*                     *A. veronii*  
*Agrobacterium* - all species in genus  
*Alcaligenes* - all species in genus except:  
     *A. acidocaldarius*        *A. acidoterrestris*  
     *A. cupidus*                 *A. cycloheptanicus*  
     *A. dispar*                 *A. eutrophus*  
     *A. faecalis*                *A. viscolactis*  
     *A. viscosus*  
*Alteromonas* - all species in genus except:  
     *A. putrefaciens*  
*Aquaspirillum* - all species in genus  
*Arachnia propionica*  
*Arcanobacterium* - all species in genus except:  
     *A. haemolyticum*  
*Arizona* - all species in genus except:  
     *A. hinshawii*  
*Arthrobacter* - all species in genus except:  
     *A. agalis*                    *A. citreus*  
     *A. crystallopoietes*        *A. globiformis*  
     *A. marinus*                 *A. paraffineus*  
*Aureobacterium* - all species in genus  
  
*Bifidobacterium* - all species in genus  
*Brevundimonas* - all species in genus  
  
*Capnocytophaga* - all species in genus  
*Cardiobacterium* - all species in genus  
*Caulobacter bacteroides*  
*Chlorobium* - all species in genus  
*Chromatium* - all species in genus except:  
     *C. warmingii*  
*Chryseomonas* - all species in genus  
*Clavibacter* - all species in genus except:  
     *C. michiganensis subsp. insidiosus*  
*Comamonas* - all species in genus except:  
     *C. testosteroni*

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*Curtobacterium* - all species in genus except:  
*C. flaccumbaciens*

*Desulfotomaculum ruminis*

*Edwardsiella* - all species in genus except:  
*E. tarda*

*Ectothiorhodospira* - all species in genus

*Eikenella* - all species in genus except:  
*E. corrodens*

*Enterococcus* - all species in genus except:  
*E. avium* *E. durans*  
*E. faecalis* *E. faecium*  
*E. hirae*

*Erwinia* - all species in genus except:  
*E. amylovora* *E. cartovora*  
*E. stewartii* *E. dissolvens*

*Eubacterium* - all species in genus except:  
*E. lentum*

*Flavobacterium* - all species in genus except:  
*F. multivorum* *F. meningosepticum*  
*F. odoratum*

*Flexibacter* - all species in genus

*Francisella* - all species in genus except:  
*F. tularensis*

*Gemella* - all species in genus

*Halobacterium* - all species in genus except:  
*H. salinarium*

*Haemophilus* - all species in genus except:  
*H. ducreyi* *H. influenzae*  
*H. parahaemolyticus* *H. paraphrophilus*  
*H. parasuis* *H. sommus*

*Kingella* - all species in genus except:  
*K. kingae*

*Lactococcus* - all species in genus except:  
*L. cremoris*  
*L. lactis*

*Leuconostoc* - all species in genus except:  
*L. citrovorum* *L. cremoris*  
*L. mesenteroides*

SCIENTIFIC NAME

*Methanococcus* - all species in genus  
*Methylobacterium* - all species in genus  
*Microbacterium imperiale*  
*Microscilla* - all species in genus  
*Morganella* - all species in genus except:  
     *M. morganii*  
*Moraxella* - all species in genus except:  
     *M. catarrhalis*                      *M. ureolytica*  
     *M. urethralis*                      *M. osloensi*

*Neisseria* - all species in genus except:  
     *N. cinerea*                      *N. flavascens*  
     *N. gonorrhoeae*                      *N. lactamica*  
     *N. meningitidis*                      *N. mucosa*  
     *N. perfalva*                      *N. sicca*  
     *N. subflava*  
*Norcardia farcinia*  
*Nocardiopsis* - all species in genus except:  
     *N. dassonvillei*

*Ochrobactrum* - all species in genus  
*Oerskovia* - all species in genus except:  
     *O. xanthieolytica*  
*Oligella* - all species in genus except:  
     *O. ureolytica*                      *O. urethralis*

*Pasteurella pestis* avirulent strain  
*Peptostreptococcus* - all species in genus except:  
     *P. anaerobium*                      *P. elsdenii*  
     *P. magnus*                      *P. micros*  
*Polysphondylium pallidum*  
*Polysphondylium violaceum*  
*Porphyromonas* - all species in genus except:  
     *P. asaccharolytica*                      *P. gingivalis*  
     *P. levii*

*Providencia* - all species in genus  
*Prevotella* - all species in genus except:  
     *P. intermedia*                      *P. loeschii*  
     *P. melaninogenica*

*Propionibacterium* - all species in genus except:  
     *P. acidipropionici*                      *P. acnes*  
     *P. freudenreichii*                      *P. jensenii*  
     *P. pentosaceum*                      *P. shermanii*  
     *P. technicum*                      *P. thoenii*

*Prosthecochloris* - all species in genus  
*Proteus* - all species in genus except:  
     *P. mirabilis*                      *P. penneri*  
     *P. rettgeri*                      *P. vulgaris*

SCIENTIFIC NAME

*Pseudomonas* - all species in genus except:

<i>P. acidovorans</i>	<i>P. aeruginosa</i>
<i>P. alcaligenes</i>	<i>P. andropogonis</i>
<i>P. avenae</i>	<i>P. caryophyllii</i>
<i>P. cattleyae</i>	<i>P. cepacia</i>
<i>P. cichorii</i>	<i>P. citronellolis</i>
<i>P. delafieldii</i>	<i>P. denitrificans</i>
<i>P. facilis</i>	<i>P. flava</i>
<i>P. flectens</i>	<i>P. fluorescens</i>
<i>P. fuscovaginae</i>	<i>P. gladioli</i>
<i>P. glumae</i>	<i>P. lucifera</i>
<i>P. mallei</i>	<i>P. marginalis</i>
<i>P. nactus</i>	<i>P. nigrifaciens</i>
<i>P. oleovorans</i>	<i>P. oryzicola</i>
<i>P. palleronii</i>	<i>P. phaseolicola</i>
<i>P. pickettii</i>	<i>P. pseudoalcaligenes</i>
<i>P. pseudoflava</i>	<i>P. pseudomallei</i>
<i>P. putida</i>	<i>P. rubrilineans</i>
<i>P. saccharophila</i>	<i>P. solanacearum</i>
<i>P. stutzeri</i>	<i>P. syringae</i>
<i>P. testosteroni</i>	<i>P. viridiflava</i>
<i>P. woodsii</i>	

*Rhodomicrobium* - all species in genus

*Shewanella* - all species in genus except:

*S. putrefaciens*

*Sphingobacterium* - all species in genus except:

*S. multivorum*

*S. serpens*

*Sphingomonas paucimobilis*

*Stenotrophomonas* - all species in genus except:

*S. maltophilia*)

*Stomatococcus* - all species in genus

*Streptobacillus moniliformis*

*Streptosporangium roseum*

*Thiobacillus* - all species in genus except:

*T. dinitrificans*

*T. thioparus*

*Thiocystis* - all species in genus

*Thiodictyon* - all species in genus

*Thiospirillum* - all species in genus

*Variovorax* - all species in genus

*Veillonella* - all species in genus except:

*V. alcalescens*

*V. parvula*



SCIENTIFIC NAME

*Vibrio* - all species in genus except:

<i>V. adaptatus</i>	<i>V. alginus</i>
<i>V. anguillarum</i>	<i>V. fischeri</i>
<i>V. haloplanktis</i>	<i>V. marinus</i>
<i>V. marinagilis</i>	<i>V. marino vulgaris</i>
<i>V. marinofulvus</i>	<i>V. noctiluca</i>
<i>V. parahemolyticus</i>	<i>V. vulnificus</i>

*Xanthomonas* - all species in genus except:

*X. campestris* pv. *citri*  
*X. campestris* pv. *citricarpa*  
*X. campestris* pv. *vasculorum*  
*X. oryzae* pv. *oryzae*  
*X. oryzae* pv. *oryzicola*

## CYANOBACTERIA

*Aphanizomenon flos-aquae*

*Calothrix* - all species in genus

*Chamaesiphon* - all species in genus

*Chlorogloeopsis* - all species in genus

*Chroococciopsis* - all species in genus

*Dermocarpa* - all species in genus

*Fischerella* - all species in genus

*Gloeobacter* - all species in genus

*Gloeotheca* - all species in genus

*Gloeocapsa* - all species in genus

*Hapalosiphon* - all species in genus

*Lyngbya* - all species in genus

*Microcoleus* - all species in genus

*Nostoc* - all species in genus

*Oscillatoria* - all species in genus

*Phormidium* - all species in genus

*Plectonema* - all species in genus

*Porphyrosiphon notarisii*

SCIENTIFIC NAME

*Schizothrix* - all species in genus  
*Scytonema* - all species in genus  
*Spirulina* - all species in genus  
*Symphyonemopsis kataiensis*  
*Symploca muscorum*  
*Synechococcus* - all species in genus  
*Synechocystis* - all species in genus  
  
Tolypothrix - all species in genus

PLANT VIRUSES

mild strain of papaya ringspot virus-p  
(PRSV-p mild strain)  
zucchini yellow mosaic virus-weak strain

ALGAE

*Achnanthes* - all species in genus  
*Amphidinium* - all species in genus  
*Amphiprora* - all species in genus  
*Amphora* - all species in genus  
*Anadyomene* - all species in genus  
*Ankistrodesmus* - all species in genus  
*Astasia* - all species in genus  
*Asterococcus* - all species in genus  
*Astrephomene* - all species in genus  
*Atractomorpha* - all species in genus  
*Axilosphaera* - all species in genus  
  
*Bangia* - all species in genus  
*Basycladia* - all species in genus  
*Batrachospermum* - all species in genus  
*Boergesenia* - all species in genus  
*Botryococcus* - all species in genus  
*Borodinella* - all species in genus  
*Borodinellopsis* - all species in genus  
*Botrydiopsis* - all species in genus  
*Botrydium* - all species in genus  
*Brachiomonas* - all species in genus  
*Bracteacoccus* - all species in genus  
*Bulbochaete* - all species in genus  
*Bumilleriopsis* - all species in genus

SCIENTIFIC NAME

*Callithamnion* - all species in genus  
*Calyptrosphaera* -all species in genus  
*Capsosiphon* - all species in genus  
*Carteria* - all species in genus  
*Cephaleuros* - all species in genus  
*Chaetoceros concavicornis*  
*Chaetoceros convolutus*  
*Chaetomorpha* - all species in genus  
*Chaetopeltis* - all species in genus  
*Chaetophora* - all species in genus  
*Characium* - all species in genus  
*Chattonella* - all species in genus  
*Chlamydomonas* - all species in genus  
*Chlorochytrium* - all species in genus  
*Chlorocloster* - all species in genus  
*Chlorococcum* - all species in genus  
*Chlorogonium* - all species in genus  
*Chlorosarcina* - all species in genus  
*Chlorosarcinopsis* - all species in genus  
*Chodatella* - all species in genus  
*Chromulina* - all species in genus  
*Chroomonas* - all species in genus  
*Chrysosphaera* - all species in genus  
*Cladophoropsis* - all species in genus  
*Closteriopsis* - all species in genus  
*Closterium* - all species in genus  
*Coccolithophora* - all species in genus  
*Coccolithus* - all species in genus  
*Coccomyxa* - all species in genus  
*Coelastrum* - all species in genus  
*Colacium* - all species in genus  
*Coleochaete* - all species in genus  
*Compsopogon* - all species in genus  
*Coronastrum* - all species in genus  
*Cosmarium* - all species in genus  
*Cricosphaera* - all species in genus  
*Crucigeneiella* - all species in genus  
*Crucigenia* - all species in genus  
*Cryptoglana* - all species in genus  
*Cryptochrysis* - all species in genus  
*Cryptomonas* - all species in genus  
*Ctenocladus* - all species in genus  
*Cyanidium* - all species in genus  
*Cyclotella* - all species in genus  
*Cylindrocapsa* - all species in genus  
*Cylindrocystis* - all species in genus  
*Cylindrotheca* - all species in genus

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*Dactylococcus* - all species in genus  
*Desmidium* - all species in genus  
*Dichotomosiphon* - all species in genus  
*Dicrateria* - all species in genus  
*Dictyosphaeria* - all species in genus  
*Dimorphococcus* - all species in genus  
*Dinobryon* - all species in genus  
*Distigma* - all species in genus  
*Draparnaldia* - all species in genus  
*Dysmorphococcus* - all species in genus

*Ectocarpus* - all species in genus  
*Elakatothrix* - all species in genus  
*Ellipsoidon* - all species in genus  
*Emiliana* - all species in genus  
*Entocladia* - all species in genus  
*Eremosphaera* - all species in genus  
*Euastrum* - all species in genus  
*Eudorina* - all species in genus  
*Eunotia* - all species in genus  
*Eustigamatos* - all species in genus  
*Eutreptia* - all species in genus

*Franceia* - all species in genus  
*Fritschiella* - all species in genus

*Galdieria* - all species in genus  
*Gelidium* - all species in genus  
*Glenodinium* - all species in genus  
*Gloeocystis* - all species in genus  
*Gloeodinium* - all species in genus  
*Gloeothamnion* - all species in genus  
*Golenkinia* - all species in genus  
*Gonatozygon* - all species in genus  
*Gongrosira* - all species in genus  
*Gonyostomum* - all species in genus  
*Gloeomonas* - all species in genus  
*Gracilaria* - all species in genus  
*Gymnodinium* - all species in genus except:  
    *G. aureollaum*  
    *G. breve*

*Haematococcus* - all species in genus  
*Hemiselmis* - all species in genus  
*Heterococcus* - all species in genus  
*Heteromastix* - all species in genus  
*Heterothrix* - all species in genus  
*Hormotila* - all species in genus

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*Hormotilopsis* - all species in genus  
*Hyalotheca* - all species in genus  
*Hymenomonas* - all species in genus  
*Hypnomonas* - all species in genus

*Kirchneriella* - all species in genus  
*Klebsormidium* - all species in genus

*Laurencia* - all species in genus  
*Lepocinclis* - all species in genus  
*Leptosira* - all species in genus  
*Lobomonas* - all species in genus

*Macrocystis pyrifer*  
*Menoidium* - all species in genus  
*Mesotaenium* - all species in genus  
*Micrasterias* - all species in genus  
*Microdictyon* - all species in genus  
*Microspora* - all species in genus  
*Microthamnion* - all species in genus  
*Mischococcus* - all species in genus  
*Monas* (=Streptomonas) - all species in genus  
*Monodus* - all species in genus  
*Mougeotia* - all species in genus  
*Myrmecia* - all species in genus

*Nannochloris* - all species in genus  
*Neosporangiococcum* - all species in genus  
*Netrium* - all species in genus

*Neochloris* - all species in genus  
*Nephrochloris* - all species in genus  
*Nephroselmis* - all species in genus  
*Nitella* - all species in genus  
*Nitzschia* - all species in genus

*Oedocladium* - all species in genus  
*Oedogonium* - all species in genus  
*Olistodiscus* (=Heterosigma) - all species in genus  
*Onychonema* (=Sphaeroszoma) - all species in genus  
*Ophiocytium* - all species in genus  
*Ourococcus* - all species in genus  
*Oxyrrhia* - all species in genus

*Palmella* - all species in genus  
*Palmellopsis* - all species in genus  
*Paulschulzia* - all species in genus  
*Pectodictyon* - all species in genus

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*Pedinomonas* - all species in genus  
*Penium* - all species in genus  
*Phacotus* - all species in genus  
*Phacus* - all species in genus  
*Phaeodactylum* - all species in genus  
*Percursaria* - all species in genus  
*Peridinium* - all species in genus  
*Physocytium* - all species in genus  
*Pithophora* - all species in genus  
*Pleurotaenium* - all species in genus  
*Planktosphaeria* - all species in genus  
*Planophila* - all species in genus  
*Platydorina* - all species in genus  
*Platymonas* - all species in genus  
*Pleodorina* - all species in genus  
*Pleurastrum* - all species in genus  
*Pleurochloris* - all species in genus  
*Pleurochrysis* - all species in genus  
*Polytoma* - all species in genus  
*Polytomella* - all species in genus  
*Porphyra tenera*  
*Porphyra yezoensis*  
*Porphyridium* - all species in genus  
*Prasinocladus* - all species in genus  
*Protosiphon* - all species in genus  
*Pseudendoclonium* - all species in genus  
*Pseudocharaciopsis* - all species in genus  
*Pseudocharacium* - all species in genus  
*Pseudopleurococcus* - all species in genus  
*Pseudotetracystis* - all species in genus  
*Pseudotreboxia* - all species in genus  
*Pterocladia* - all species in genus  
*Pteromonas* - all species in genus  
*Pulchraspaera* - all species in genus  
*Pyramimonas* - all species in genus  
*Pyrobotrys (=Uva)* - all species in genus

*Radiofilum* - all species in genus  
*Radiosphaera (=Actinochloris)* - all species in genus  
*Raphidonema* - all species in genus  
*Rhabdomonas* - all species in genus  
*Rhizoclonium* - all species in genus  
*Rhodamonas* - all species in genus  
*Roya* - all species in genus

*Sarcinochrysis* - all species in genus  
*Scenedesmus* - all species in genus  
*Schizomeris* - all species in genus

SCIENTIFIC NAME

*Selenastrum* - all species in genus  
*Siphonocladus* - all species in genus  
*Sirogonium* - all species in genus  
*Spirotaenia* - all species in genus  
*Spongiochloris* - all species in genus  
*Staurostrum* - all species in genus  
*Stephanoptera* - all species in genus  
*Stichococcus* - all species in genus  
*Stigeoclonium* - all species in genus  
*Stephanosphaera* - all species in genus  
*Struvea* - all species in genus  
*Synura* - all species in genus

*Teradesmus* (=Tetradesmus) - all species in genus  
*Tetracystis* - all species in genus  
*Tetraedon* - all species in genus  
*Tetrallantos* - all species in genus  
*Tetraspora* - all species in genus  
*Trachelomonas* - all species in genus  
*Trebouxia* - all species in genus  
*Trentepohlia* - all species in genus  
*Tribonema* - all species in genus  
*Trichosarcina* - all species in genus  
*Trochischia* - all species in genus

*Ulothrix* - all species in genus

*Valonia* - all species in genus  
*Vaucheria* - all species in genus  
*Vischeria* - all species in genus  
*Volvulina* - all species in genus

*Wislouchiella* - all species in genus

*Zooxanthella* - all species in genus

## PROTOZOA

*Acanthamoeba* - all species in genus except:  
*A. castellani*

*Entamoeba* - all species in genus except:  
*E. histolytica*                      *E. coli*  
*E. gingivalis*                        *E. hartamanii*

SCIENTIFIC NAME

*Mansonella* - all species in genus except:

*M. ozzardi*

*M. perstans*

*Nosema* - all species in genus

*Trichomonas* - all species in genus except:

*T. hominis*

*T. tenax*

*T. vaginalis*

*Trypanosoma* - all species in genus