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Organism	Microbial Group	Rod Length µm	Rod or Coccus Diameter µm	Source	Significance
<i>Absidia corymbifera</i>	Fungi		3.8	Environmental	Zygomycosis
<i>Acetobacter Melanogenus</i>	Bacteria	1.0-2.0	0.4-0.8		Strong beer/vinegar bacterium.
<i>Acinetobacter</i>	Bacteria		1.3	Environmental	Opportunistic infections
<i>Acremonium spp.</i>	Fungi		2.5	Environmental	Extrinsic Allergic Aveons
<i>Actinomyces israelii</i>	Bacteria		1.0	Humans	Antinomycosis
Adenovirus	Virus		0.08	Humans	Colds
<i>Alcaligenes Viscolactis</i>	Bacteria	0.8-2.6	0.6-1.0		Causes ropiness in milk.
<i>Alkaligenes</i>	Bacteria		0.75	Humans	Opportunistic infections
<i>Alternaria alternata</i>	Fungi		14.4	Environmental	Mycotoxicosis
Arenavirus	Virus		0.18	Rodents	Hemorrhagic fever
<i>Aspergillus spp.</i>	Fungi		3.5	Environmental	Aspergillosis, Volatile Organic Compound
<i>Aureobasidium pullulans</i>	Fungi		5	Environmental	Chromomycosis
<i>Bacillus anthracis</i>	Bacteria	3.0-10.0	1.0-1.3 (1.1 average)	Environmental	Causes anthrax in mammals
<i>Bacillus Stearothermophilus</i>	Bacteria	2.0-5.0	0.6-1.0		Biological indicator for steam sterilization
<i>Bacillus subtilis</i>	Bacteria	2.0-3.0	0.7-0.8		Biological indicator for ethylene oxide sterilization
<i>Blastomyces dermatitidis</i>	Fungi		14	Environmental	Blastomycosis
<i>Bordetella pertussis</i>	Bacteria		0.25	Humans	Whooping cough
<i>Botrytis cinera</i>	Fungi		7	Environmental	Extrinsic Allergic Aveons
<i>Cardiobacterium</i>	Bacteria		0.63	Humans	Opportunistic infections
<i>Chaetomium globosum</i>	Fungi		5.5	Environmental	Chromomycosis, Volatile Organic Compound
<i>Chiamydia psittaci</i>	Bacteria		0.3	Birds	Psittacosis
<i>Chlamydia pneumoiae</i>	Virus		0.3	Humans	Pneumonia
<i>Cladosporium spp.</i>	Fungi		9	Environmental	Chromblastomycosis
<i>Clostridium botulinum (B)</i>	Bacteria	3.0-8.0	0.5-0.8		Produces exotin causes botulism
<i>Clostridium Perinngens</i>	Bacteria	4.0-8.0	1.0-1.5		Produces toxin causing food poisoning
<i>Clostridium tetani</i>	Bacteria	4.0-8.0	0.4-0.6		Produces exotoxin causing tetanus
<i>Coccidioides immitis</i>	Fungi		4	Environmental	Coccidiomycosis
Coronavirus	Virus		0.11	Humans	Colds
<i>Corynebacteria diphtheria</i>	Bacteria		1.0	Humans	Diphtheria
<i>Coxiella burnetii</i>	Bacteria		0.5	Cattle, sheep	Q fever
Coxsackievirus	Virus		0.027	Humans	Colds
<i>Cryptococcus neoformans</i>	Fungi		5.5	Environmental	Cryptococcosis
<i>Diplococcus Pneumoniae</i>	Bacteria		0.5-1.25		Causes lobar pneumonia
Echovirus	Virus		0.028	Humans	Colds
<i>Emericella nidulans</i>	Fungi		3.3	Environmental	Mycotoxicosis, Volatile Organic Compound
<i>Epicoccum nigrum</i>	Fungi		20	Environmental	Extrinsic Allergic Aveons
<i>Erwina aroideae</i>	Bacteria	2.0-3.0	0.5		Causes soft rot in vegetables.
<i>Escherichia coll</i>	Bacteria	1.0-3.0	0.5		Indicator of fecal contamination in water.
<i>Eurotium spp.</i>	Fungi		5.8	Environmental	Extrinsic Allergic Aveons

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Exophiala jeanselmei	Fungi		2	Environmental	Chromomycosis
Francisella tularensis	Bacteria		0.2	Wild animals	Tularemia
Geomyces pannorum	Fungi		3	Environmental	Extrinsic Allergic Aveons
Haemophilus influenzae	Bacteria	0.5-2.0	0.2-0.3		Causes influenza and acute respiratory infections
Haemophilus influenzae	Bacteria		0.43	Humans	Meningitis, pneumonia
Haemophilus parainfluenzae	Bacteria		1	Humans	Opportunistic infections
Hantavirus	Virus		0.07	Rodents	Hantavirus
Helminthosporium	Fungi		12.5	Environmental	Extrinsic Allergic Aveons
Histoplasma capsulatum	Fungi		3	Environmental	Histoplasmosis
Influenza	Virus		0.1	Humans, birds	Flu
Klebsiella pneumoniae	Bacteria	5	0.4-0.5	Environmental	Opportunistic infections, causes pneumonia and other respiratory inflammation
Lactobacillus Delbrueckii	Bacteria	2.0-9.0	0.5-0.8		Causes souring of grain-mashes
Legionella pneumophila	Bacteria		0.6	Environmental	Pontiac fever
Micromonospora faeni	Actinomycetes		1	Agricultural	Farmers' lung, Hypersensitivity Pneumonitis
Micropolyspora faeni	Actinomycetes		0.69	Agricultural	Farmers' lung, Hypersensitivity Pneumonitis
Moraxella catarrhalis	Bacteria		1.3	Humans	Opportunistic infections
Moraxella lacunata	Bacteria		1	Humans	Opportunistic infections
Morbillivirus	Virus		0.12	Humans	Measles (rubeola)
Mucor plumbeus	Fungi		7.5	Environmental	Mucormycosis
Mycobacterium avium	Bacteria		1.2	Environmental	Cavitary pulmonary disorder
Mycobacterium intracellulare	Bacteria		1.2	Environmental	Cavitary pulmonary disorder
Mycobacterium kansasii	Bacteria		0.86	Unknown	Cavitary pulmonary disorder
Mycobacterium Tuberculosis	Bacteria	1.0-4.0	0.2-0.5 (0.86 average)	Humans	Hard swelling of body tissues. TB
Mycoplasma pneumoniae	Bacteria		0.25	Humans	Pneumonia
Mycoplasma pneumoniae (PPLO)	Bacteria		0.3-0.5		Smallest known free-living organism
Neisseria meningitidis	Bacteria		0.8	Humans	Meningitis
Nocardia Brasiliensis	Actinomycetes		1.5	Environmental	Pulmonary mycetoma
Nocardiaasteroides	Actinomycetes		1.1	Environmental	Nocardiosis
Paecilomyces variotii	Fungi		3	Environmental	Mucormycosis
Paracoccidioides brasiliensis	Fungi		23	Environmental	Paracoccidioidomycosis
Parainfluenza	Virus		0.22	Humans	Flu
Paramyxovirus	Virus		0.23	Humans	Mumps
Parvovirus B19	Virus		0.022	Humans	Filth disease, anemia
Pediococcus acidilactici	Bacteria		0.6-1.0		Causes mash spoilage in brewing
Pediococcus Cerevisiae	Bacteria		1.0-1.3		Causes deterioration in beer
Penicillium spp.	Fungi		3.3	Environmental	Mycotoxicosis, Volatile Organic Compound
Phialophora spp.	Fungi		1.5	Environmental	Chromomycosis
Phoma spp	Fungi		3.3	Environmental	Mucormycosis
Pneumocystis carinii	Bacteria		2	Environmental	Pneumocystosis
Poxvirus – Vaccinia	Virus		0.23	Agricultural	Cowpox
Pseudomonas aeruginosa	Bacteria		0.57	Environmental	Opportunistic infections
Pseudomonas mallei	Bacteria		0.77	Environmental	Opportunistic infections

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<i>Pseudomonas pseudomallei</i>	Bacteria		0.57	Environmental	Opportunistic infections
<i>Pseudomonas diminuta</i>	Bacteria		1.0 0.3		Test organism for retention 0.2 µm membranes
Rhinovirus	Virus		0.023	Humans	Colds
<i>Rhizopus stolonifer</i>	Fungi		8	Environmental	Zygomycosis
<i>Rhodoturula</i> spp.	Fungi		14	Environmental	Extrinsic Allergic Aveons
<i>Salmonella enteritidis</i>	Bacteria	2.0-3.0	0.6-0.7		Causes food poisoning
<i>Salmonella enteritidis</i>	Bacteria	2.0-3.0	0.6-0.7		Causes food poisoning
<i>Salmonella hirschefeldii</i>	Bacteria	1.0-2.5	0.3-0.5		Causes enteric fever
<i>Salmonella typhimurium</i>	Bacteria		1.0-1.5 0.5		Causes food poisoning in man
<i>Salmonella typhosa</i>	Bacteria	2.0-3.0	0.6-0.7		Causes typhoid fever
<i>Sarcina maxima</i>	Bacteria		4.0-4.5		Isolated from fermenting malt mash
<i>Scopulariopsis</i> spp.	Fungi		6	Environmental	Onychomycosis
<i>Serratia marcescens</i>	Bacteria	0.5-1.0	0.5		Test organism for retention of 0.45 µm membranes
<i>Serratia marcescens</i>	Bacteria		1.3	Environmental	Opportunistic infections
<i>Shigella dysenteriae</i>	Bacteria	1.0-3.0	0.4-0.6		Causes dysentery in man
<i>Sporothrix schenckii</i>	Fungi		6.5	Environmental	Sporotrichosis
<i>Stachybotrys</i> spp.	Fungi		5.7	Environmental	Stachybotryotoxicosis
<i>Staphylococcus Aureus</i>	Bacteria		0.8-1.0	Humans	Causes pus forming infections, opportunistic infections
<i>Streptococcus lactis</i>	Bacteria		0.5-1.0		Contaminant in milk
<i>Streptococcus pneumoniae</i>	Bacteria		0.9	Humans	Pneumonia, otitis media
<i>Streptococcus pyogenes</i>	Bacteria		0.6-1.0 (0.9 average)	Humans	Causes pus forming infections, scarlet fever, pharyngitis
<i>Thermoactinomyces sacchari</i>	Actinomycetes		0.86	Agricultural	Bagassosis
<i>Thermoactinomyces vulgaris</i>	Actinomycetes		1	Agricultural	Farmers' lung, Hypersensitivity Pneumonitis
<i>Thermomonospora viridis</i>	Actinomycetes		0.6	Agricultural	Farmers' lung, Hypersensitivity Pneumonitis
Togavirus	Virus		0.063	Humans	Rubella (german measles)
<i>Trichoderma</i> spp.	Fungi		4.1	Environmental	Mycotoxicosis, Volatile Organic Compound
<i>Ulocidium</i> spp.	Fungi		15	Environmental	Extrinsic Allergic Aveons
Varicella-zoster	Virus		0.3	Humans	Chickenpox
<i>Wallemia sebi</i>	Fungi		3	Environmental	Extrinsic Allergic Aveons
<i>Yersinia pestis</i>	Virus		0.75	Humans	Pneumonic plague