

# **INFORMATION**

## **BULLETIN**

**SUBJECT: Pathogenic Microorganism  
Classification**

**SECTION: V  
NUMBER: 10  
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Attached for reference purposes is a list of bacteria, viruses and fungi, their classification, and the disease or infection they can cause.

Your Infection Control Practitioner customer will also find this information helpful and informative.

# Pathogenic Microorganisms

ORGANISM	TYPE	POTENTIAL DISEASE OR INFECTION
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## BACTERIA

Acinetobacter sp.	Gram neg. rod	Upper respiratory infection, UTI, wound infection
Campylobacter jejuni	Gram neg. rod	Diarrhea, abdominal pains, fever
Clostridium difficile	Gram pos. rod (forms spores)	Diarrhea, pseudomembranous colitis
Clostridium tetani	Gram pos. rod (forms spores)	Tetanus
Corynebacterium diphtheriae	Gram pos. rod	Toxin cause of diphtheria, skin, eye and ear infections
Enterobacter aerogenes	Gram neg. rod	Urinary tract, respiratory, wound, blood and CNS infections
Enterococcus faecalis (formerly streptococcus faecalis)	Gram pos. coccus	Urinary tract, subacute endocarditis
Escherichia coli	Gram neg. rod	Diarrhea, urinary tract, septicemia
Klebsiella pneumoniae	Gram neg. rod	Bacterial pneumonia, urinary and respiratory infections
Listeria monocytogenes	Gram pos. rod	Meningitis, encephalitis, septicemia
Mycobacterium tuberculosis	Acid fast mycobacterium	Tuberculosis
Proteus vulgaris	Gram neg. rod	Urinary tract, burn and respiratory tract infections
Proteus mirabilis	Gram neg. rod	Urinary tract infections, bacteremia
Pseudomonas aeruginosa	Gram neg. rod	Eye, wound and burn infections, diarrhea
Salmonella choleraesuis, Paratyphi, schottmuelleri	Gram neg. rod	Gastroenteritis, enteric fever, bacteremia, pneumonia
Serratia marcescens	Gram neg. rod	Wound, blood, CNS, respiratory and urinary tract infections
Shigella dysenteriae	Gram neg. rod	Bacterial dysentery
Staphylococcus aureus	Gram pos. coccus	Wound infections, boils, carbuncles, impetigo, pneumoniae, bacteremia, food poisoning, toxic shock syndrome
Staphylococcus epidermidis	Gram pos. coccus	Skin abscesses, ventriculitis, meningitis, bacteremia
Streptococcus pneumoniae	Gram pos. coccus	Pneumonia, scarlet fever, meningitis
Streptococcus pyogenes	Gram pos. coccus	Tonsillitis, impetigo, rheumatic fever, skin infections
Streptococcus salivarius	Gram pos. coccus	Endocarditis
Vibrio cholerae	Gram neg. rod	Diarrhea, abdominal pains

## VIRUSES

Adenovirus	Intermediate	Upper respiratory tract plus conjunctiva and lower respiratory tract
Cytomegalovirus (CMV)	Lipophilic	Usually asymptomatic in adults (may infect unborn fetus)
Coxsackie	Hydrophilic	Herpangina, aseptic meningitis, pleurodynia, myalgia
Echovirus	Hydrophilic	Aseptic meningitis, encephalitis, exanthema, respiratory disease
Hepatitis A (formerly infectious hepatitis)	Hydrophilic	Low-grade fever, fatigability, mylogia, anorexia, vomiting
Hepatitis B (formerly serum hepatitis)	Lipophilic	Acute and chronic hepatitis
Hepatitis C (formerly non-A, non-B)	Lipophilic	Acute and chronic hepatitis
Herpes Simplex 1	Lipophilic	Skin lesions, eye, ear and face infections
Herpes Simplex 2	Lipophilic	Skin lesions on and around genitalia
Human Immunodeficiency virus (HIV-1)	Lipophilic	Destroys immune system
Influenza A2 and B	Lipophilic	Headache, chills, fever, muscular pain, lower respiratory tract and pneumoniae
Parainfluenza	Lipophilic	Upper respiratory infections
Poliovirus	Hydrophilic	Polionmyelitis, aseptic meningitis
Respiratory Syncytial virus (RSV)	Lipophilic	Lower respiratory tract infection
Rhinovirus 39	Hydrophilic	Common cold, upper respiratory tract infections
Rotavirus	Hydrophilic	Diarrhea, vomiting, fever
Rubella	Lipophilic	German measles
Vaccinia	Lipophilic	Used as model for smallpox virus

## FUNGI

Aspergillus niger	Mold	Mildew on surfaces
Candida albicans	Yeast	Mouth, skin, hand and lung infections, thrush
Tricophyton mentagrophytes	Fungus	Athlete's Foot fungus