

# Tufts Division of Infectious Diseases and New England Regional Biosafety Laboratory Pathogens Available for Study

Pathogens in **red** are NIAID Category A Priority Pathogens. Pathogens in **blue** are NIAID Category B Priority Pathogens. Pathogens in **green** are NIAID Category C Priority Pathogens.

See: <http://www.niaid.nih.gov/topics/biodefenserelated/biodefense/research/pages/cata.aspx>

## Bacteria

- **Bacillus anthracis (anthrax)**
- **Yersinia pestis (plague)**
- **Francisella tularensis (tularemia)**
- **Tuberculosis, including multi-drug-resistant TB**
- Clostridium difficile
- Neisseria gonorrhoea
- Staphylococcus aureus
- Helicobacter pylori
- Leptospira sp.
- Orientia tsutsugamushi (Scrub Typhus, or formerly Rickettsia tsutsugamushi)

## Food and Waterborne Bacteria

- Diarrheagenic E. coli
  - Enterohemorrhagic Escherichia coli (O157:H7)
  - Enteropathogenic Escherichia coli (EPEC)
  - Enterotoxigenic Escherichia coli (ETEC)
  - Enteroaggregative Escherichia coli (EAEC)
- Pathogenic Vibrios (Vibrio cholerae)
- Shigella sp. (S. sonnei, S. dysenteriae, S. flexneri)
- Salmonella sp.
- Listeria monocytogenes
- Campylobacter jejuni
- Yersinia enterocolitica

## Toxins

- **Clostridium botulinum toxins A-G (botulism)**
- Ricin toxin (from Ricinus communis)
- Shiga toxins 1 and 2 (Stx1 and Stx2)
- C. difficile toxins TcdA and TcdB
- E. coli heat-labile enterotoxin (LT) and heat-stable enterotoxin (ST)

## Viruses

- Flaviruses
  - Dengue
- Caliciviruses
  - Norovirus
- West Nile Virus
- Venezuelan Encephalitis Virus (VEE)
- Eastern Equine Encephalitis Virus (EEE)
- Japanese Encephalitis Virus
- Influenza
- Adenovirus
- Rotavirus

## Protozoa

- Cryptosporidium, *C. parvum*, *C. Hominis*, *C. meleagridis*
- Giardia lamblia
- Leishmania sp.
- Trichomonas vaginalis

## Fungi

- Microsporidia
  - Enterocytozoon bieneusi
  - Encephalitozoon intestinalis, *E. cuniculi*, *E. hellum*
- Candida albicans
- Aspergillus sp.
- Cryptococcus neoformans, *C. gattii*
- Geomyces destructans

## Helminthes

- Schistosoma mansoni, *S. haematobium*, *S. japonicum*
- Ancylostoma caninum (hookworm)
- Taenia solium

## Contact Information

Other pathogens may be available upon request, please contact:

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