

NYC Health + Hospitals Special Pathogens Response Matrix

Disease	Causative Agent	Initial Signs/Symptoms	Isolation Precautions	Personal Protective Equipment (PPE)	Notification to Hospital AOD/Attending/ Med. Director	Notification to local Department of Health Provider Access Line: 866-692-3641	Notification to Central Office Special Pathogens	Activation of Hospital Incident Command System	Transfer to Specialty Hospital	POC Testing	Altered Lab Practices	Packaging & Shipping of Specimen	Division 6.2 Infectious Substances Category: A or B
Ebola	<i>Ebola virus (filovirus)</i>	Fever, Severe headache Muscle pain, Weakness Fatigue, Diarrhea, Vomiting, Abdominal (stomach) pain, unexplained hemorrhage (bleeding or bruising)	Standard, Contact, and Airborne	SP Level 2 VHF	Yes	Yes	Yes	Yes	Yes	Consult IPAC, ID-on call and NYC DOHMH ◊	Yes	Packaged by certified staff; Specimen packaged in basic triple packaging system; Sent to NYC DOHMH	Category A
Lassa Fever	<i>Lassa fever virus (arenavirus)</i>	slight fever, general malaise and weakness, and headache	Standard, Contact, and Airborne	SP Level 2 VHF	Yes	Yes	Yes	Yes	Yes	Consult IPAC, ID-on call and NYC DOHMH ◊	Yes	Packaged by certified staff; Specimen packaged in basic triple packaging system; Sent to NYC DOHMH	Category A
Marburg	<i>Marburg virus (filovirus)</i>	fever, chills, headache, and myalgia	Standard, Contact, and Airborne	SP Level 2 VHF	Yes	Yes	Yes	Yes	Yes	Consult IPAC, ID-on call and NYC DOHMH ◊	Yes	Packaged by certified staff; Specimen packaged in basic triple packaging system; Sent to NYC DOHMH	Category A
Crimean-Congo Hemorrhagic Fever	<i>Nairovirus</i>	headache, high fever, back pain, joint pain, stomach pain, vomiting, red eyes, flushed face, red throat, petechiae (red spots) on the palate	Standard, Contact, and Airborne	SP Level 2 VHF	Yes	Yes	Yes	Yes	Yes	Consult IPAC, ID-on call and NYC DOHMH ◊	Yes	Packaged by certified staff; Specimen packaged in basic triple packaging system; Sent to NYC DOHMH	Category A
Lujo Hemorrhagic Fever (South Africa)	<i>Lujo virus (arenavirus)</i>	a morbilliform rash of the face and trunk, face and neck swelling, pharyngitis (sore throat), diarrhea	Standard, Contact, and Airborne	SP Level 2 VHF	Yes	Yes	Yes	Yes	Yes	Consult IPAC, ID-on call and NYC DOHMH ◊	Yes	Packaged by certified staff; Specimen packaged in basic triple packaging system; Sent to NYC DOHMH	Category A
S. American Hemorrhagic Fever's (Machupo, Junin)	<i>Machupo virus, Junin virus</i>	fever, headache, fatigue, myalgia, arthralgia	Standard, Contact, and Airborne	SP Level 2 VHF	Yes	Yes	Yes	Yes	Yes	Consult IPAC, ID-on call and NYC DOHMH ◊	Yes	Packaged by certified staff; Specimen packaged in basic triple packaging system; Sent to NYC DOHMH	Category A
Smallpox	<i>Variola virus</i>	fever, head and body aches, vomiting, rash	Standard, Contact, and Airborne	SP Level 1	Yes	Yes	Yes	Yes	Yes	Consult IPAC, ID-on call and NYC DOHMH ◊	Yes	Packaged by certified staff; Specimen packaged in basic triple packaging system; Sent to NYC DOHMH	Category A
SARS-CoV	<i>Corona virus</i>	fever, headache, fatigue, myalgia	Standard, Contact, and Airborne	SP Level 1	Yes	Yes	Yes	Yes	case-by-case basis	Consult IPAC, ID-on call and NYC DOHMH ◊	No	Packaged by certified staff; Specimen packaged in basic triple packaging system; Sent to NYC DOHMH	Category B
Monkeypox	<i>monkeypox virus</i>	Fever, Headache, Muscle aches, Backache, Swollen lymph nodes, Chills, Exhaustion, rash	Standard, Contact, and Airborne	SP Level 1	Yes	Yes	Yes	Yes	case-by-case basis	Consult IPAC, ID-on call and NYC DOHMH ◊	No	Packaged by certified staff; Specimen packaged in basic triple packaging system; Sent to NYC DOHMH	Category A
MERS-CoV	<i>Corona virus</i>	fever, cough, shortness of breath	Standard, Contact, and Airborne	SP Level 1	Yes	Yes	Yes	Yes	case-by-case basis	Consult IPAC, ID-on call and NYC DOHMH ◊	No	Packaged by certified staff; Specimen packaged in basic triple packaging system; Sent to NYC DOHMH	Category B
Plague (pneumonic)	<i>Yersinia Pestis</i>	Fever, headache, weakness, rapidly developing pneumonia, chest pain, shortness of breath	Standard and Droplet	SP Level 1	Yes	Yes	Yes	Yes	case-by-case basis	Consult IPAC, ID-on call and NYC DOHMH ◊	No	Packaged by certified staff; Specimen packaged in basic triple packaging system; Sent to NYC DOHMH	Category A (cultures only)
Hantavirus (hemorrhagic)	<i>Hantavirus</i>	Headache, back and abdominal pain, fever, chills, nausea, blurred vision	Standard	SP Level 1	Yes	Yes	Yes	Yes	case-by-case basis	Consult IPAC, ID-on call and NYC DOHMH ◊	No	Packaged by certified staff; Specimen packaged in basic triple packaging system; Sent to NYC DOHMH	Category A
Novel influenza with pandemic potential (e.g., H3N1, H7N9, H5N1)	<i>influenza virus</i>	—	Standard, Contact and Airborne	SP Level 1	Yes	Yes	Yes	Yes	case-by-case basis	Consult IPAC, ID-on call and NYC DOHMH ◊	No	Packaged by certified staff; Specimen packaged in basic triple packaging system; Sent to NYC DOHMH	—
Unknown Illness of Public Health Concern	—	—	Standard, Contact, and Airborne	SP Level 1 or SP Level 2 VHF	Yes	Yes	Yes	Yes	case-by-case basis	Consult IPAC, ID-on call and NYC DOHMH ◊	—	Packaged by certified staff; Specimen packaged in basic triple packaging system; Sent to NYC DOHMH	—

Legend:

Special Pathogen Level 1 N95 mask, 2 pairs of extended cuff gloves, surgical gown, face shield

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Special Pathogen Level 2 \ N95 mask, 2 pairs of gloves, coverall, apron, face shield, booties, hood

! Adhere to airborne precautions for any aerosol generating procedure

0 Point-of-Care (POC) Testing - Avoid performing diagnostic tests or invasive procedures except in emergency situations in patients with low likelihood of Infectious Substance Category A special pathogens (as determined by the IP, ID-on call and NYC DOHMH).

* Applicable if collecting and sending specimens / Packaging checklist <https://www.cdc.gov/coronavirus/mers/downloads/lab/Saf-T-Pak-packaging-checklist.pdf> *and* https://hazmatonline.phmsa.dot.gov/services/publication_documents/Transporting%20Infectious%20Substances%20Safely.pdf

CATEGORY A: An infectious substance in a form capable of causing permanent disability or lifethreatening or fatal disease in otherwise healthy humans or animals when exposure to it occurs. An exposure occurs when an infectious substance is released outside of its protective packaging, resulting in physical contact with humans or animals. Classification must be based on the known medical history or symptoms of the source patient or animal, endemic local conditions, or professional judgment concerning the individual circumstances of the source human or animal. Category A poses a higher degree of risk than Category B.

CATEGORY B: An infectious substance not in a form generally capable of causing permanent disability or life-threatening or fatal disease in otherwise healthy humans or animals when exposure to it occurs. This includes Category B infectious substances transported for diagnostic or investigational purposes.