

BILH COVID-19 Testing Matrix by Specimen Type

| Specimen Type | Role in Testing | Specimen Collection Site | Time to Obtain Testing | Location for Specimen to be Analyzed |
|--|---|--|--|---|
| Nasopharyngeal Swab | Symptomatic or asymptomatic patients meeting current testing criteria within BILH | <ul style="list-style-type: none"> Inpatient Outpatient Emergency Department/ Urgent Care | <ul style="list-style-type: none"> Symptomatic: Test performance optimal within 7 days of symptom onset Asymptomatic close contact of COVID-positive individuals: Test during 14 days of home quarantine | <ul style="list-style-type: none"> All nucleic acid amplification testing platforms including rapid tests within BILH Quest Diagnostics Mass DPH |
| Oropharyngeal Swab | Symptomatic or asymptomatic children meeting current testing criteria within BILH | <ul style="list-style-type: none"> Outpatient Testing Sites/ Urgent Care | <ul style="list-style-type: none"> Symptomatic: Test performance optimal within 7 days of symptom onset Asymptomatic Close Contact of COVID+ individuals: Test during 14 days of home quarantine | <ul style="list-style-type: none"> All nucleic acid amplification testing platforms including rapid tests within BILH Quest Diagnostics Mass DPH |
| Bronchoalveolar Lavage Specimen | Symptomatic patients with suspected lower respiratory tract infection | <ul style="list-style-type: none"> Inpatient | <ul style="list-style-type: none"> Within 14 days of symptom onset | <ul style="list-style-type: none"> BIDMC Abbott m2000 High-Throughput Testing Quest Diagnostics Mass DPH |
| Tracheal Washings Specimen | Symptomatic patients with suspected lower respiratory tract infection | <ul style="list-style-type: none"> Inpatient | <ul style="list-style-type: none"> Within 14 days of symptom onset | <ul style="list-style-type: none"> Not Validated at BILH, Quest Diagnostics or Mass DPH |
| Nasal or Mid-Turbinate Swab | Symptomatic or asymptomatic patients meeting current testing criteria within BILH | <ul style="list-style-type: none"> Outpatient Testing Sites Home Testing with Nasal Swabs | <ul style="list-style-type: none"> Symptomatic: Test performance optimal within 7 days of symptom onset Asymptomatic Close Contact of COVID+ individuals: test during 14 days of home quarantine | <ul style="list-style-type: none"> Not Validated at BILH, Quest Diagnostics or Mass DPH |



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| Sputum | Symptomatic patients with suspected lower respiratory tract infection | <ul style="list-style-type: none">• Inpatient | <ul style="list-style-type: none">• Within 14 days of symptom onset | <ul style="list-style-type: none">• Quest Diagnostics• Mass DPH |
| Saliva or Buccal Swab | Symptomatic patients meeting current testing criteria within BILH | <ul style="list-style-type: none">• Home testing | <ul style="list-style-type: none">• Test performance optimal within 7 days of symptom onset | <ul style="list-style-type: none">• <u>Not validated</u> at BILH, Quest Diagnostics or Mass DPH |
| Serology- IgG Antibody Test | <ul style="list-style-type: none">• Diagnose COVID-19 in symptomatic patients when PCR testing negative• Determine exposure to COVID-19 | <ul style="list-style-type: none">• Inpatient/Outpatient• Outpatient | <ul style="list-style-type: none">• Symptomatic: at least 7 days after symptom onset | <ul style="list-style-type: none">• BILH• Quest Diagnostics |