

### Test Menu

TOPIC	DESCRIPTION
<b>Test Name</b>	Aerobic Isolate Identification - Diphtheria
<b>Other Name (s)</b>	N/A
<b>Analyte(s)</b>	<i>Corynebacterium diphtheriae</i>
<b>Test Code</b>	2300
<b>Lab location</b>	Jacksonville location
<b>Department</b>	Microbiology
<b>Pre-Approval Required</b>	Yes, contact regional epidemiologist prior to sending.
<b>Required Forms</b>	DH1847
<b>Specimen Sources</b>	Throat or pharynx Swab (Deep throat specimen and/or piece of membrane if present) Isolate
<b>Supplemental Information- Special Specimen Preparation</b>	Both clinical specimens and isolates accepted. Clinical Specimens: throat or pharynx (NP swabs in sterile transport medium)
<b>Minimum Volume</b>	Clinical specimens: swabs in at least 1 ml volume
<b>Storage Conditions</b>	N/A
<b>Collection Media</b>	Specimens of the throat or pharynx received on swabs in a sterile cotton top tube or in a transport medium.
<b>Specimen Labeling</b>	Patient name, DOB, date of collection, and NPI
<b>Packaging and Shipping Instructions and Handling</b>	15-30°C shipping on a nutrient agar slant or in appropriate culture transport media (if not isolated) within 48 of collection Include paperwork with specimens but separate them physically
<b>Test Methodology</b>	Culture, MALDI-TOF, 16S rRNA gene sequencing, WGS
<b>Turnaround Time</b>	7 - 28 days
<b>Result Indicator</b>	Qualitative: Isolation and identification of <i>C. diphtheriae</i>
<b>Unsatisfactory Specimen</b>	Specimen not received within 48 hours after collection No patient identification on specimen Name on specimen tube and requisition do not match Specimen damaged or leaked in transit Dry swabs
<b>Interferences and Limitations</b>	Non-viable or grossly contaminated samples may not yield reportable results
<b>Additional Information &amp; Notes</b>	Diphtheria culture requests must be reviewed and approved by the regional/state epidemiologist prior to submitting swab or isolate to BPHL-Jax. Epi arranges for antitoxin to be shipped for administration to the patient.
<b>Reference Range</b>	Negative-positive
<b>Reference Lab</b>	CDC
<b>Reflex testing</b>	WGS