

## CULTURES SUBMITTED ON GC LECT AGAR

**PURPOSE** This procedure is a standardized format for reading, evaluating, and reporting cultures submitted on GC Lect agar or MTM.

**SCOPE** This procedure is to be used with the M403 Microbiology Augmentation Set.

### PROCEDURE

STEP	ACTION
1	Read plates at less than 24 hours, 24 hours, 48 hours, and 72 hours.
2	<b>NO GROWTH</b> present: If no growth is detected at the end of 72 hours, the final report is "GC Screen Negative at 72 hours".  <b>GROWTH</b> present: If growth is present, proceed by performing an oxidase test on all colony types present.
3	<b>OXIDASE NEGATIVE:</b> If the colony type is oxidase negative and morphologically not consistent with <i>Neisseria sp.</i> no further workup is needed. If the colony type is oxidase negative and suspicious for <i>Neisseria sp.</i> perform Gram stain. If Gram stain is NOT gram negative diplococci no further workup is needed. If Gram stain shows gram negative diplococci consult with OIC/NCOIC.
4	<b>OXIDASE POSITIVE:</b> If the colony type is oxidase positive perform Gram stain. If Gram stain is NOT Gram negative diplococci no further workup is needed. If the colony type is oxidase positive and the Gram stain show gram negative diplococci pass organism to 2 Chocolate plates for further biochemical testing.

5	For oxidase positive, gram negative diplococci isolates: Perform rapid sugars for identification using API NH kit. Antimicrobial susceptibility testing is not performed.
---	--

---

## RESULTS

STEP	ACTION
1	Cultures are reviewed daily for 72 hours. If negative at 72 hours report as "GC Screen negative at 72 hours."
2	Cultures positive for <i>Neisseria gonorrhoeae</i> are reported as " <i>N. gonorrhoeae</i> ". If susceptibility testing is requested a consult with OIC/NCOIC.
3	For genital sources if the isolate tested does not identify as <i>N. gonorrhoeae</i> report as "Confirmatory testing indicates no <i>Neisseria gonorrhoeae</i> isolated". For nongenital sources report as "GC Screen Negative at 72 hours."
4	If the selective media is overgrown with yeast or other flora report "Media overgrown with mixed flora, please resubmit".

---

## REFERENCES

Murray, Patrick ed. Manual of Clinical Microbiology: American Society for Microbiology, 7<sup>th</sup> edition. Washington, D.C. 1995, pp. 586-603.