BACTEC Effluent Culture & Gram Stain Lab Workflow

ASCEND

DAY 1

YELLOW TOP TUBE
- Gram stain
- If positive, call to clinic

Culture Bottles & Yellow Top Tube Received in Laboratory

BOTTLES PLACED IN BACTEC

DAY 2

POSITIVE
- Gram stain
- Call to clinic
- Subculture
- Preliminary Report

NEGATIVE
- Preliminary Report
- 'No growth to date'
- Leave bottles in BACTEC until growth

DAY 3

- Set up ID by MALDI-ToF
- Set up Sensitivity, if applicable to organism
- Interim Report for ID

POSITIVE (SLOW GROWING ORGANISMS)
- Gram stain
- Call to clinic
- Subculture
- Preliminary Report

DAY 4

FINAL REPORT

YEAST ISOLATED FINAL REPORT
- Culture is saved for 1 week
- If Yeast ID is ordered, additional 1-2 weeks

DAY 5

SUSPECTED ANAEROBES OR FASTIDIOUS ORGANISMS
- Set up ID by MALDI-ToF
- Set up Sensitivity, if applicable to organism

POSITIVE
- Gram stain
- Call to clinic
- Subculture
- Prelimary report

IF NEGATIVE WITH FLUID CELL COUNT (FCC)
WBC >100 cells/uL, >50% PMNs
- Incubated additional 9 days in BACTEC

NEGATIVE
- 'No growth'

FINAL REPORT

DAY 6

FINAL REPORT

- Set up ID by MALDI-ToF
- Set up Sensitivity, if applicable to organism
- Interim Report for ID

DAY 7

FINAL REPORT

DAY 14

FINAL REPORT

- Effluent culture bottles are continuously monitored for microbial growth.
- Slow growing organisms may need prolonged incubation.
- Effluent specimens suggestive of peritonitis based on elevated WBC count in FCC are incubated 14 days.
- Additional studies can take 1 to 2 weeks.