



Job Aid

Document G_90_J_10_A Author: J Ferguson Authorised: W Porau 7/04/22 Review: 7/04/24

Bacterial Isolates for Referral

For each referred isolate, complete the Inventory of stored bacterial and fungal isolates form (G_90_WS_2) and record isolate on the as a “sendaway” in the LIMS.

Fresh subcultures of isolates specified below are to be stored in glycerol broth at -20 deg C pending transport in the monthly air shipment to the central reference lab at CPHL/PMGH.

1. Any species of the Enterobacterales family (*E. coli*, *Klebsiella*, *Enterobacter* etc) isolated from any specimen site that tests as resistant to meropenem. Biobank: all presumptive Carbapenemase producing Enterobacterales (CPE) – flag is meropenem resistance

2. Bloodstream isolates as specified:

Use 14 day cut-off – i.e. repeat isolates of same species from the same patient not sent if < 14 days.

- *Staphylococcus aureus* (VRSA, MRSA or MSSA)
- Other *Staphylococcus* species (coagulase negative) – maximum 5 isolates per month
- Enterococcal species (*E. faecium* or *E. faecalis*)
- *Streptococcus pneumoniae*
- *Streptococcus* Viridans (other alpha-haemolytic strep. species) isolated from 2 or more different blood culture collections from same patient within 2 days
- Penicillin resistant beta-haemolytic *Streptococci* groups A, B, C or G (PEN1 disc zone < 18mm)
- *E. coli*, *Klebsiella*, other Enterobacterales species, *Salmonella* (Biobank: ESBL isolates)
- *Acinetobacter* or *Pseudomonas* species (see below) Biobank: *Acinetobacter baumannii* complex
- *Neisseria meningitidis*
- Other Gram negative diplococci/coccobacilli (unidentified)

3. CSF isolates:

- *Streptococcus pneumoniae*
- *Neisseria meningitidis*
- Any other isolate obtained from a turbid CSF sample

4. Faeces

- *Vibrio cholerae*
- *Salmonella* or *Shigella* species

5. Isolates from other specimens

- ESBL *E. coli*, *Klebsiella* species from urine if isolate is resistant to either ceftriaxone OR ceftazidime on disc testing
- Up to 10 other Gram negative isolates of any species type from urine per month
- *Acinetobacter* species (presumptive) isolates from blood, sterile site (i.e. pleural, peritoneal, joint fluid etc) or ET aspirate (ventilated patient – PMGH only) Biobank: *Acinetobacter baumannii* complex only
- *Pseudomonas aeruginosa* - isolates from blood, sterile site or ET aspirate (ICU) Biobank: meropenem-resistant isolates
- *Neisseria gonorrhoeae*
- All suspected *Burkholderia pseudomallei* or *Bacillus anthracis*

Reference Lab. biobanking required for species / phenotypes that are underlined.

Reference: G_90_SOP_5 Bacterial Isolate Preparation for Storage and or Transport 11Feb22.