

### Antimicrobial treatment recommendations for initial Film Array results

| Pathogen Detected                                                                    | Preferred Therapy                                                          | Comments                                                                                                          |
|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Enterococcus genus<br>VanA/B negative<br>VanA/B positive                             | vancomycin<br>linezolid                                                    | change to ampicillin if sensitive consider ID consult                                                             |
| <i>Staphylococcus aureus</i><br>MecA negative<br>MecA positive                       | nafcillin or cefazolin<br>vancomycin                                       | linezolid only for specific needs <sup>1</sup>                                                                    |
| <i>Staphylococcus</i> genus (not <i>S. aureus</i> )                                  | consider as a likely contaminant<br><br>vancomycin if a suspected pathogen | unless:<br>>1 positive culture, or if<br>a neonate, oncology pt or a pt with an<br>indwelling central catheter    |
| <i>Streptococcus pyogenes</i> (grp A)                                                | ampicillin                                                                 |                                                                                                                   |
| <i>Streptococcus agalactiae</i> (grp B)                                              | ampicillin                                                                 |                                                                                                                   |
| <i>Streptococcus pneumoniae</i><br>Non-CNS infection<br>CNS infection (or suspected) | ampicillin<br>ceftriaxone plus vancomycin                                  |                                                                                                                   |
| <i>Streptococcus</i> genus<br>(not Group A, B or<br>pneumococcus)                    | consider as likely contaminant                                             | unless:<br>>1 positive culture, or if<br>a neonate, oncology pt or a pt with an<br>indwelling central<br>catheter |
| <i>Listeria monocytogenes</i>                                                        | ampicillin                                                                 |                                                                                                                   |
| <i>Acinetobacter baumannii</i>                                                       | meropenem                                                                  | consider adding gentamicin in<br>severely ill patients                                                            |
|                                                                                      |                                                                            |                                                                                                                   |
| <i>Enterobacteriaceae</i> family<br>(not included below)                             | Cefepime or pip/tazo<br>Meropenem with serious infection<br>and meningitis | narrow coverage when sensitivities<br>available                                                                   |
| <i>E coli</i>                                                                        | ceftriaxone (if ESBL negative)                                             |                                                                                                                   |
| <i>Klebsiella pneumoniae</i>                                                         | ceftriaxone (if ESBL negative)                                             |                                                                                                                   |
| <i>Klebsiella oxytoca</i>                                                            | ceftriaxone (if ESBL negative)                                             |                                                                                                                   |
| <i>Serratia marcescens</i>                                                           | ceftriaxone<br>cefepime                                                    |                                                                                                                   |
| <i>Enterobacter cloacae</i> complex                                                  | cefepime<br>meropenem                                                      |                                                                                                                   |
| <i>Proteus</i>                                                                       | ceftriaxone                                                                |                                                                                                                   |
| ESBL positive                                                                        | meropenem                                                                  | usually associated with <i>E coli</i> and<br><i>Klebsiella</i>                                                    |
| <i>Pseudomonas aeruginosa</i>                                                        | pip/tazo                                                                   | for CF patients consult previous<br>cultures and antibiogram                                                      |
| <i>Neisseria meningitidis</i>                                                        | penicillin or ceftriaxone                                                  |                                                                                                                   |
| <i>Haemophilus influenzae</i>                                                        | ceftriaxone                                                                |                                                                                                                   |
| <i>Candida albicans</i>                                                              | fluconazole                                                                |                                                                                                                   |
| <i>Candida glabrata</i>                                                              | micafungin                                                                 |                                                                                                                   |
| <i>Candida krusei</i>                                                                | micafungin                                                                 |                                                                                                                   |
| <i>Candida parapsilosis</i>                                                          | micafungin                                                                 |                                                                                                                   |
| <i>Candida tropicalis</i>                                                            | micafungin                                                                 |                                                                                                                   |

<sup>1</sup> See recommendations for linezolid use under Antibiotic Recommendations