

Initial Antimicrobial Treatment for Inpatient Code Sepsis (All doses listed below are LOADING doses and are intended for initial doses only.)

GIVE IMMEDIATELY (Hang concurrently if possible through available lines – or hang in order listed)

Hang 1st: Piperacillin/Tazobactam 4.5 g IV x 1 dose over 30 minutes [subsequent doses by extended infusion, if applicable] **OR**
Cefepime 2 g IV x 1 over 30 minutes (*if febrile neutropenia or CNS infection*) **OR**
Meropenem 1 g IV x 1 dose over 30 minutes (*if organ transplant or re-induction within 3 months, febrile neutropenia on cefepime, current/recent (<7 days) piperacillin/tazobactam or cefepime, or hepatic failure and meets criteria per LTU protocol*)

Hang 2nd: *Vancomycin 1 g IV x 1 dose over 1 hour **OR**
Linezolid 600 mg IV x 1 dose over 30 minutes
(*if severe vancomycin allergy, history of VRE infection, or recent vancomycin and meets criteria per LTU protocol*)

Alternatives for Penicillin Allergy:

- ➔ If non-life threatening: Cefepime 2 g IV x 1 dose over 30 minutes
- ➔ If life-threatening: *Aztreonam 2 g IV x 1 dose over 30 minutes + **Gram (+) Coverage** (Only has gram (-) coverage)

THEN CONSIDER (Hang concurrently if possible through available lines)

If vancomycin started, complete load with following **AND** initiate vancomycin per pharmacy for subsequent dosing
61 – 89 kg ➔ *Vancomycin 500 mg IV x 1 dose over 30 minutes
> 90 kg ➔ *Vancomycin 1 g IV x 1 dose over 60 minutes

If meropenem started **AND** patient with cystic fibrosis or CNS infection, give an additional dose: Meropenem 1 g x 1 over 30 minutes

SPECIAL POPULATIONS

Febrile neutropenia with hemodynamic instability or high risk for MDR organisms

Add *Tobramycin 7 mg/kg IV x 1 dose over 30 minutes **OR**

Add Levofloxacin 750 mg IV x 1 dose over 30 minutes (*if renal impairment*)

Febrile neutropenia not on voriconazole **OR** Severe hepatic failure on fluconazole **OR** surgical patient w/persistent intra-abdominal infection from anastomotic leak/GI perforation

Add Caspofungin 70 mg IV x 1 dose over 30 minutes

Suspected intra-abdominal source **AND** cefepime or aztreonam selected initially

Add Metronidazole 500 mg IV x 1 dose over 30 minutes

*Need combination therapy Febrile neutropenia [T ≥ 38.3°C once or ≥38.0°C for over 1 hr.] + [ANC < 500 **or** ANC < 1000 expected to drop < 500 w/in 48 hr.]