

Enterobacteriaceae

Ertapenem and/or  
Imipenem and/or  
Meropenem

Resistant

Microscan  
Alert

### CRE Workflow

Make sure:

- Check plate is pure
- Microscan plate is pure
- Verify resistance (not intermediate)

- Release MIC
- Enter .KPC code in results comment field on the isolate line
- Perform CIM with QC

Consult supervisor

CIM Neg

CIM Indet.

CIM Pos

- Record CIM QC on clipboard at QC bench
- Do Reportable Disease
- Call floor and document in Beaker
- Enter .CIMPOS code after the .KPC code in the results comment field on the isolate line
- Enter CIM result (in mm) in the yellow lab comment field
- Perform CARBA-R
- Enter Carba-R results in the yellow lab comments field (Carba-R=?)
- Place worksheet from GeneXpert in the book (shelf near Torch)
- If Carba-R results are other than KPC+, sub 2 BHI slants
- Leave 1 slant at QC bench for Dr. P to send out and leave 1 slant in the sendout rack at blood bench

**Pos** = Zone 6-15 mm or presence of pinpoint colonies within a 16-18 mm zone  
**Neg** = Zone ≥ 19 mm (clear zone)  
**Indeterminate** = Zone 18-16 mm OR Zone diameter of 19 ≥ mm and the presence of pinpoint colonies within the zone

**QUALITY CONTROL:**  
 Test positive and negative QC strains each day of testing:

- K pneumo ATCC BAA-1705 – CRE positive
- K pneumo ATCC BAA-1706 – CRE negative
- Meropenem disk QC - Perform QC of Meropenem disks with each run by placing a Meropenem disk on the Mueller Hinton Agar plate inoculated with E. coli ATCC 25922 and incubate 16-18 hours.

- Record CIM QC on clipboard at QC bench
- Enter .CIMNEG code after the .KPC code in the results comment field on the isolate line
- Enter CIM result (in mm) in the yellow lab comment field