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Comparative Activity of Meropenem (MEM) and Other Broad-Spectrum Antimicrobials: Resistance (R) Surveillance Testing Results from the USA MYSTIC Program (2007)

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Amendments

**RESULTS**

- Aggregates Enterobacteriaceae isolates the carbapenem demonstrated the highest resistance rates among the broad-spectrum agents tested against Enterobacteriaceae (18.2%).
- A panel of 25 Enterobacteriaceae isolates from four medical centers were isolated that produced KPC carbapenemase primarily among Enterobacteriaceae (20 strains), 5 P. aeruginosa (3 strains), Citrobacter freundii (3 strains), Escherichia coli (3 strains), and 2 Citrobacter freundii (3 strains).
- The presence of carbapenemase was very similar among KPC carbapenemase-producing Enterobacteriaceae isolates, including the same plasmid.
- The carbapenemase demonstrated the highest resistance rates among broad-spectrum agents tested against Enterobacteriaceae (18.2%).
- KPC-producing Enterobacteriaceae (especially Citrobacter freundii, E. coli, and P. aeruginosa) have been observed in 1,246/1,263 (99.0%) of the isolates, and the carbapenemase was very similar in all isolates, including the same plasmid.
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