

# **In Vitro activities of B-lactam antibiotics alone and in combination with sulbactam against gram-negative bacteriae**

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摘要

## **Abstract**

The resistance rates of ampicillin/sulbactam 2:1 against imipenem-susceptible and -resistant *Acinetobacter baumannii* were 23.5 and 30%, respectively. Ceftazidime/sulbactam combination showed significant reduction of resistant rates against *Enterobacter cloacae*, *A. baumannii*, ESBL *Klebsiella pneumoniae*. MIC<sub>90</sub> of cefoperazone against *E. cloacae*, *Serratia marcescens*, *A. baumannii* and ESBL *K. pneumoniae* were > 128 mg/l. Addition of sulbactam enhanced the antimicrobial activities significantly. When imipenem was combined with sulbactam, the resistant rates against imipenem-resistant *A. baumannii* were significantly reduced. Cefepime/sulbactam combination was active against imipenem-resistant *A. baumannii*. The resistance rates of aztreonam/sulbactam combination against *E. cloacae*, imipenem-sensitive and resistant *A. baumannii*, ESBL *K. pneumoniae* were lowered significantly. The cefotaxime/sulbactam combination showed a significant improvement of activities against *E. cloacae*, *S. marcescens*, *A. baumannii* and ESBL *K. pneumoniae*. Copyright 2004 Elsevier B.V