

# ***In Vitro* Activity of Biapenem against Gram-Negative Bacteria Isolated from Hospitalized Patients at Siriraj Hospital**

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## **ABSTRACT**

*In vitro* activity of biapenem against 30 clinical isolates each of ESBL-producing *Escherichia coli*, ESBL-producing *Klebsiella pneumoniae*, *Pseudomonas aeruginosa* and *Acinetobacter baumannii* was determined by disk diffusion and agar dilution method. The susceptibility rates of ESBL-producing *E. coli*, ESBL-producing *K. pneumoniae*, *P. aeruginosa* and *A. baumannii* to biapenem by disk diffusion were 100 percent, 100 percent, 70 percent and 37 percent, respectively. The MIC<sub>50</sub> and MIC<sub>90</sub> of biapenem against ESBL-producing *K. pneumoniae*, ESBL-producing *E. coli*, *P. aeruginosa* and *A. baumannii* were 0.06/0.06, 0.125/0.25, 1/32 and 32/64 mg/L, respectively. (*J Infect Dis Antimicrob Agents* 2010;27:55-9.)

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