

Table 8. Summary

Indication	Ertapenem	Ampicillin/ sulbactam	Piperacillin/ tazobactam	Ticarcillin/ clavulanate	Imipenem/ cilastatin	Cefotaxime + metronidazole
Mechanism of action	Inhibition of PBP 4	Inhibition of PBP 3	Inhibition of PBP 6	Inhibition of PBP 7	Inhibition of PBP 8	Inhibition of PBP 11
Indications	4	3	6	7	8	11
Selected in vitro activity	—	• <i>Clostridium difficile</i>	• <i>Pseudomonas aeruginosa</i> • <i>Enterococcus faecalis</i>	• <i>Pseudomonas aeruginosa</i>	• <i>Pseudomonas aeruginosa</i> • <i>Enterococcus faecalis</i> • <i>Clostridium difficile</i>	• <i>Clostridium difficile</i>
Dosing schedule	QD	QID	QID	QID	QID	TID-QID
Drug interactions	Lowest	Low	High	Intermediate	Intermediate	High
Dose adjustments in renal /hepatic impairment	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/Yes
Pediatric use	Not recommended	Yes	Safety and efficacy not established	Yes	Yes	Yes
Pregnancy	B	B	B	B	C	B if not 1st trimester
Projected cost savings or losses with ertapenem use	—	Lose money	Save money	Save money	Save money	Lose money