

Bacteria	Categories <sup>1</sup>				Classification	
	I	II	III	IV	3MRGN <sup>5</sup>	4MRGN <sup>5</sup>
<i>Enterobacteriaceae</i> <sup>2</sup>	PIP	TAX	CIP	IMI <sup>3</sup> or MER or CARB	Resistance to three of four categories	Resistance to four of four categories or to category IV alone
<i>P. aeruginosa</i>	PIP	TAZ and FEM	CIP	IMI and MER	Resistance to three of four categories	Resistance to four of four categories
<i>A. baumannii</i>	PIP <sup>4</sup>	TAZ <sup>4</sup>	CIP	IMI or MER or CARB	Resistance to three of four categories	Resistance to four of four categories or to category IV alone

<sup>1</sup> PIP = piperacillin, TAX = cefotaxime, TAZ = ceftazidime, FEM = cefepime, CIP = ciprofloxacin, IMI = imipenem, MER = meropenem, CARB = carbapenemase detected in the isolate irrespectively of the resistance phenotype, intermediate test results are considered as resistant for the classification.

<sup>2</sup> *Enterobacteriaceae* includes a classification for the following species: *E. coli*, *Klebsiella* spp., *Proteus* spp., *Citrobacter* spp., *Enterobacter* spp. and *E. cloacae*, *S. marcescens*, *Morganella* spp., *Providencia* spp.

<sup>3</sup> Imipenem is not considered for *Proteus* spp., *Morganella* spp., *S. marcescens*, *Providencia* spp.

<sup>4</sup> PIP and TAZ are always considered as resistant due to missing clinical breakpoints for *A. baumannii*.

<sup>5</sup> Special hygiene precautions are required for patients with 4MRGN in all parts of the hospital and for patients with 3MRGN only on intensive care units or other units with immunocompromised patients according to local risk assessments.