

Table S1. Search equation details and results from included databases

Databases	Search equation	Filters and results
PubMed	(carbapenemase OR CPE OR carbapenem-resistance) AND (enterobacteriaceae OR enterobacterales OR Escherichia coli OR Enterobacter cloacae OR Klebsiella pneumoniae OR Pseudomonas aeruginosa OR Acinetobacter baumannii) AND (companion animals OR pets OR dog OR cat) NOT review	"Initial: 97 2010–2021: 89 "
Scopus	(carbapenemase OR CPE OR carbapenem-resistance) AND (enterobacteriaceae OR enterobacterales OR pseudomonas OR acinetobacter) AND (companion AND animals OR pets OR dog OR cat)	"Initial: 40 Limit to → 2014, 2016, 2017, 2018, 2019, 2020, 2021: 39 Exclude → Review: 30 Exclude → German: 29"
Medline	(carbapenemase OR CPE OR carbapenem-resistance) AND (enterobacteriaceae OR enterobacterales OR Escherichia coli OR Enterobacter cloacae OR Klebsiella pneumoniae OR Pseudomonas aeruginosa OR Acinetobacter baumannii) AND (companion animals OR pets OR dog OR cat) NOT review	"Initial: 85 2010- 2021: 78"
Web of Science	(carbapenemase OR CPE OR carbapenem-resistance) AND (enterobacteriaceae OR enterobacterales OR Escherichia coli OR Enterobacter cloacae OR Klebsiella pneumoniae OR Pseudomonas aeruginosa OR Acinetobacter baumannii) AND (companion animals OR pets OR dog OR cat) NOT review	"Initial: 125 Refine → 2010- 2021: 117 Exclude → Review: 113"
Wiley Online Library	(carbapenemase OR CPE) AND (enterobacteriaceae OR enterobacterales OR pseudomonas OR acinetobacter) AND (companion animals OR pets OR dog OR cat) NOT review	"Initial: 30 2010- 2021:28 Publication Type → Journals: 17"
CABI: VetMed Resource	(carbapenemase OR CPE OR carbapenem resistance) AND (enterobacteriaceae OR enterobacterales OR pseudomonas OR acinetobacter) AND (companion animals OR pets OR dog OR cat) AND yr: [2010 TO 2021]	"Initial: 40 Limit to → abstract: 38 "