



## *In Vitro* Antibacterial Activity of Metal Complexes Containing a Cephaclor Derivative Ligand

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**SUMMARY.** New transition metal complexes  $[M(L)Cl(H_2O)]$  ( $M(II) = Mn, Fe, Co, Ni$ ) with a ligand (HL) derived from the condensation of cephaclor antibiotic with 1,2-diaminobenzene, were synthesized and characterized on the basis of analytical and spectral data. The ligand and the complexes were tested for their antimicrobial activity against several bacterial strains such as *Staphylococcus aureus* ATCC 25923, *Bacillus subtilis* ATCC 6051, *Klebsiella pneumoniae* ATCC 10031 *Salmonella enteritidis* ATCC 497, *Pseudomonas aeruginosa* ATCC 10145 and *Escherichia coli* ATCC 35939 to assess their inhibiting potential.

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**KEY WORDS:** Antimicrobial activity, Cephaclor, Transition metal complexes.

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