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## Antimicrobial Studies of Sulphasomidine and its Comparison with Transition Metal Complexes

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### Abstract

Synthesis, characterization and antimicrobial studies of sulphasomidine complexes with Hg, Zn, and Ag have been studied. The conductometric studies using monovariation and Job's method of continuous variation indicate that complexes formed are of L2M type and non-ionic except silver which form 1:1, complex. Analysis of the complex verifies the molecular formula which is supported by analytical data. Structure of the complexes proposed on the basis of stoichiometry are supported by spectral studies and particle size analysis etc. Antimicrobial activities of the complexes were found to be more as compared to drug alone.

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