Formulation and Evaluation of In Situ forming Polymeric Drug Delivery Systems for Mixed Vaginal Infection

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Authors’ contributions

This work was carried out in collaboration between both authors. Author HAA designed the study, performed the statistical analysis, wrote the protocol, and wrote the first draft of the manuscript. Author RK managed the analyses of the study as well as the literature searches. Both authors read and approved the final manuscript.

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ABSTRACT

Aims: Vaginal preparations are still associated with number of problems including frequent administration and escape from vagina causing discomfort to patient. For efficient vaginal delivery of drugs, the delivery system should reside at the site of infection for a prolonged period of time therefore this work aims to prepare Vaginal Capsules containing sustained release in situ forming polymeric particles containing broad spectrum antibiotics to cover all the common pathogen associated with vaginal infections.

Study Design: Characterization for the developed beads, such as determination od,