



Conference Abstract

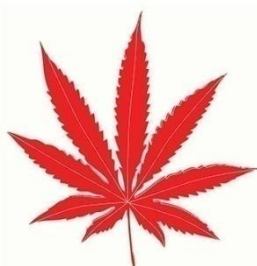
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Conference Abstract

DISSOLUTION PROFILE OF METRONIDAZOLE TABLET 400 MG IN DIVERSE FATTY DISSOLUTION MEDIUMS

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ABSTRACT

The aim of the study was to confirm the interaction of food with metronidazole 400 mg tablet with diverse dissolution medium like milk, oil and gastric fluid to observe the effects of physiological changes in terms of absorbance. The brand flagyl (metronidazole) 400 mg were purchased from the local pharmacies of Karachi (Pakistan) for the evaluation of dissolution profile in diverse medium. The outcomes related to this research study is clearly showing that all the results comes out within the specified limits of BP/USP which is not less 85 %. The results of one way ANOVA test between the groups and within the groups showing significant difference i.e. p value < 0.05. Multiple comparisons also performed by tukey HSD and LSD test of standards with diverse dissolution mediums showing a significant difference between the medium i.e. p value < 0.05. We concluded from our study that metronidazole is not contraindicated with milk, oil and gastric fluid.

Key words: Metronidazole, milk, oil, in vitro dissolution.