AIM & OBJECTIVE

Day by day numbers of new combination of anti histaminic agents are either in single or in combination with other drugs are marketed as well it under investigation. So Market is flooded with combination of drugs in various dosage forms. Nowadays the multicomponent formulation have gained a lot of importance due to greater patient acceptability, increased potency, multiple action, fewer side effect and quicker relief with one or more medicinally active ingredients. In combined dosage form, determination of individual drug content is difficult without separation due to the interference between the drugs as well as between the drugs and excipients.

A literature survey revealed that several methods reported like Spectrophometric Method(UV), High performance Liquid Chromatography(HPLC), High performance Thin layer chromatography(HPTLC), Flurimetry, Stability indicating method & Extraction technique available for some of Histaminic drug in either alone or in combination with other drugs. There were No method reported for the Simultaneous estimation of new combination of antihistaminic agents

So, the objective of the work is to develop a simple, precise, accurate, rapid & economical analytical RP HPLC for simultaneous estimation of antihistaminic drug in their combined dosage form. The advantage of HPLC methods possess speedy separation, high resolving power, high sensitivity and accurate quantitative measurements

Statistically validate the newly developed methods to ensure their accuracy, precision, repeatability, reproducibility and other analytical method validation parameters as per ICH guidelines. Scientist as well as industrial community to make a use of research work for the formulation of good quality of pharmaceutical dosage forms.