



RP-HPLC Method for the Estimation of Fexofenadine and Pseudoephedrine

P.D.Chaithanya Sudha^{1*}, Prof.D.Gowrishankar²

1 Assistant Professor, St.Mary's College of Pharmacy, Surampalem, AP-533435.

2. Professor, A.U. College of Pharmaceutical Sciences and Research, Andhra University, vizag.

E-mail: chaithumpharm@gmail.com

ABSTRACT

A simple, accurate, rapid, reproducible HPLC method has been developed for estimation of Fexofenadine and pseudoephedrine using different mobile phases. Such as for Fexofenadine-pH-2.0 phosphate buffer, acetonitrile and triethyl amine in the ratio of 65:35:0.3v/v at a flow rate 1.5ml/min and for pseudoephedrine pH 3.0 phosphoric acid buffer and acetonitrile in the ratio of 90:10v/v at a flow rate 1.5ml/min. A zorbax SB Phenyl RP 18- 250x4.6mm column was used as a stationary phase. Quantification was performed using UV detector for Fexofenadine at 220nm and for pseudoephedrine at 210nm. The method showed good resolution of the peaks for two compounds. The result was validated by linearity studies.

Keywords: Estimation, Fexofenadine and Pseudoephedrine, HPLC, linearity, results.
