IJARSCT



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 4, Issue 4, May 2024

Review : Field Flow Fractionation

Jestadi Ragaswetha, V. Nikhila, B. Lakshmi Kalyani, M. Adarsh, Varsha Padhi, N. Avinash Chilkur Balaji College of Pharmacy, Aziznagar, Telangana, India

Abstract: Field flow Fractionation is a technique which is used for the separation of colloidal or high molecular weight substances in liquid solution, flowing through the separation platform, which does not have a stationary phase. It is similar to liquid chromatography, as it works on dilute solutions or suspensions of the solute, carried by a flowing eluent.separation is done by applying a fields like hydraulic, centrifugal, thermal, electrical, magnetic, gravitational or cross flowing, perpendicular to the direction of the sample .Field flow fractionation (FFF) is a chromatography-like separation technique used to separate macromolecules, colloids, and particles. The idea is straightforward. A parabolic velocity profile is created by a laminar flowof carrier liquid between two walls separated by approximately 0.1 mm.

Keywords: Field flow Fractionation

