

Review Article

Floating Drug Delivery Systems

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ABSTRACT: Management of illness through medication is entering a new era in which growing number of novel drug delivery systems are being employed and are available for therapeutic use. Oral sustained release gastro-retentive dosage forms (GRDFs) offer many advantages for drugs with absorption from upper parts of gastrointestinal tract and for those acting locally in the stomach, improving the bioavailability of the medication. Floating Drug Delivery Systems (FDDS) is one amongst the GRDFs used to achieve prolonged gastric residence time. Multiple unit FDDS avoid “all-or-nothing” gastric emptying nature of single unit systems. Apart from the background, formulation aspects and evaluation of FDDS, recent developments are also covered in this review.

KEYWORDS: Floating drug delivery systems; single units and multiple units; Hydrodynamically balanced systems; floating microspheres.
