“This review comprises properties and effects of extractables, leachables and discuss the characteristics of PFS technology; its composition, glass and polymer types, configuration of PFS, advantages over glass, technical and commercial applicability; its significance against patient, industry, quality, environment and cost; and its business potential.” Ingle and Agarwal (2014).

Reference:


Review of the pre-filled syringe as a ready-to-use drug delivery system http://ctt.ec/Q056E+ @ivteam #ivteam

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Abstract:

Introduction: Fueled by a growing global expectation of the health and medical fields, billions of dollars/euros/pounds are invested every year in the research of new biological and chemical entities. However, little interest is seen in the development of novel drug delivery systems. One such system, pre-filled syringe (PFS), was invented decades ago but is still a rare mode of delivery in many therapeutic segments.

Areas covered: This review comprises properties and effects of extractables, leachables and discuss the characteristics of PFS technology; its composition, glass and polymer types, configuration of PFS, advantages over glass, technical and commercial applicability; its significance against patient, industry, quality, environment and cost; and its business potential. We discuss in brief about PFS used in various major and life-threatening disorders and future prospects. It provides showers of knowledge in the field of PFS drug delivery technology to the reader’s, industrialist’s and researcher’s point of view.

Expert opinion: The PFS drug delivery system offers a wonderful panorama to lifesaving drugs that are currently only available in conventional vials and ampoules in the market. A novel approach of Form Fill Seal technology can be adopted for this particular ready-to-use dosage
form also, which opens the new global doors for budding researchers in the field of pre-filled drug delivery system.

Other intravenous and vascular access resources that may be of interest (External links – IVTEAM has no responsibility for content).