

(54) Title of the invention : AN IN VITRO AND EX VIVO ASSESSMENT OF THE FORMULATION OF SILDENAFIL CITRATE-LOADED NASAL MICROSPHERES

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(57) Abstract :

AN IN VITRO AND EX VIVO ASSESSMENT OF THE FORMULATION OF SILDENAFIL CITRATE-LOADED NASAL MICROSPHERES A method by implanting an implantation device in vivo within the body of a living animal, the technology described herein is directed to methods and devices that can be used to induce functional organ structures to form within the implantation device. This allows cells and tissues to impregnate the implantation device and establish normal microenvironmental architecture and tissue-tissue interfaces. The confined cells and tissues can then be surgically separated intact and either transplanted into another animal or kept ex vivo by supplying it with the medium and/or gases required for cell survival through one or more of the fluid channels. refers to half (C1-C4) alkyl esters of poly (methyl vinyl ether-co-maleic anhydride) (PVM/MA) copolymers, which are used to create and employ nanoparticles for encapsulating chemicals. These nanoparticles can include or encapsulate a product that is useful for usage in the pharmaceutical, cosmetic, food, or agricultural industries.

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