

A Comprehensive Review of Transdermal Patch Delivery Systems

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Abstract: *In order to overcome the difficulties associated with administering medication, especially orally, the application of medication transdermal administration technique was developed. Transdermal patches are a sticky medication-infused patch and put to the skin to provide a certain quantity of medicine transdermally entering the blood. It promotes the recuperation process when a body part is injured. By using a membrane that is permeable to cover a supply of medicine or by liquefying small layers of drugs imbedded within the glue with body heat transdermal application allows for a managed delivery of medicine to the individual. One advantage of transdermal medicine delivery above alternative kinds of administration, like current, i.v., and i.m., or oral, is that the remedy offers a regulated medication release.*

Keywords: TDDS, Transdermal patches, Skin, Matrix, Reservoir, Systemic circulation, routes of penetration