

약물전달을 위한 마이크로 디바이스

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Drug encapsulating parts were separated from base by external force for rapid delivery of drug delivery. Microdevices were prepared using micromolding methods and out of biocompatible materials of poly-lactic-co-glycolic acid. Master structures were made by photolithographic process. New system could provide delivery of predetermined dose quickly. The insertion depth was a function of applied force. Main application of new system is quick delivery into dermal layer through stratum corneum for intradermal delivery.