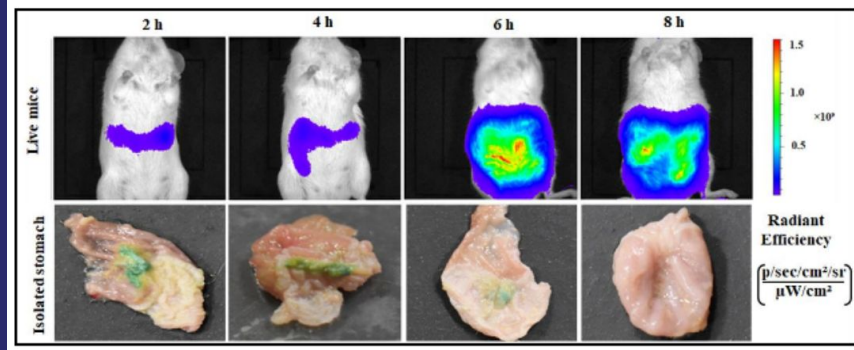


Granted IN467618

# Drug delivery patch



## NEED

Delivering a therapeutic drug level to sensitive or damaged organs is challenging, often requiring high dosages, which may harm the organ and surrounding structures

## SOLUTION

An implantable drug delivery patch is developed for sustained, unidirectional drug release directly to an organ's surface, enhancing site-specific treatment efficacy.

## INNOVATION

The patch utilizes a substrate with pharmaceuticals between two polymer layers, where the second layer is impermeable, ensuring precise, unidirectional drug release to the organ, optimizing treatment efficacy and safety.

## MARKET ANALYSIS

Market: Drug Delivery Systems  
CAGR: Expected to grow at a compound annual growth rate (CAGR) of around 7-8%.  
Potential Indian Clients: Pharmaceutical companies, hospitals, research institutions, and medical device manufacturers.

## WHY INVEST?

- Drug delivery system
- Site-specific
- Catheter
- Iontophoretic device

## AT A GLANCE

- Current TRL NA
- Funded by NA
- IPC A61K, A61L, A61M
- Domain  
Biomedical Engineering



Prof. Venuganti Venkata Vamsi Krishna,  
Prof. Bandi Sony Priyanka

Department of, Pharmacy  
BITS Pilani, Hyderabad Campus

For more information, reach out to (contact person), (designation), (organization) at (email ID) and (phone number)

