IMPLANTABLE CONTROLLED RELEASE DRUG DELIVERY TESTING

mott
MISSION CRITICAL PRECISION

DESCRIPTION

Let Mott conduct your initial drug diffusion feasibility studies to guide the design criteria for your next generation controlled release drug delivery technology. Built off established surrogate suspensions that serve as a baseline for your unique compounds, our diffusion studies provide you with reliable early assessment of drug diffusion rates and insight into form, fit and function of your device.

IN-VITRO DRUG DIFFUSION STUDIES FOR IMPLANTABLE DEVICES

- Determine Drug Diffusion Rates
- Estimate Length of Therapeutic Efficacy Window
- Guide Volumetric Constraints
- Optimize Drug Concentrations

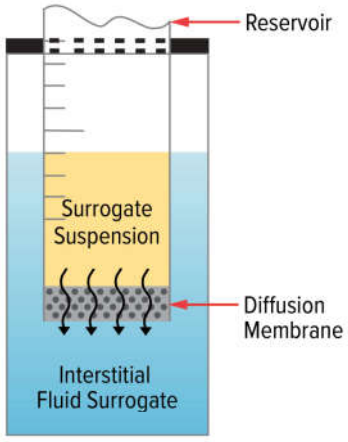


Illustration of Benchtop Testing Cell

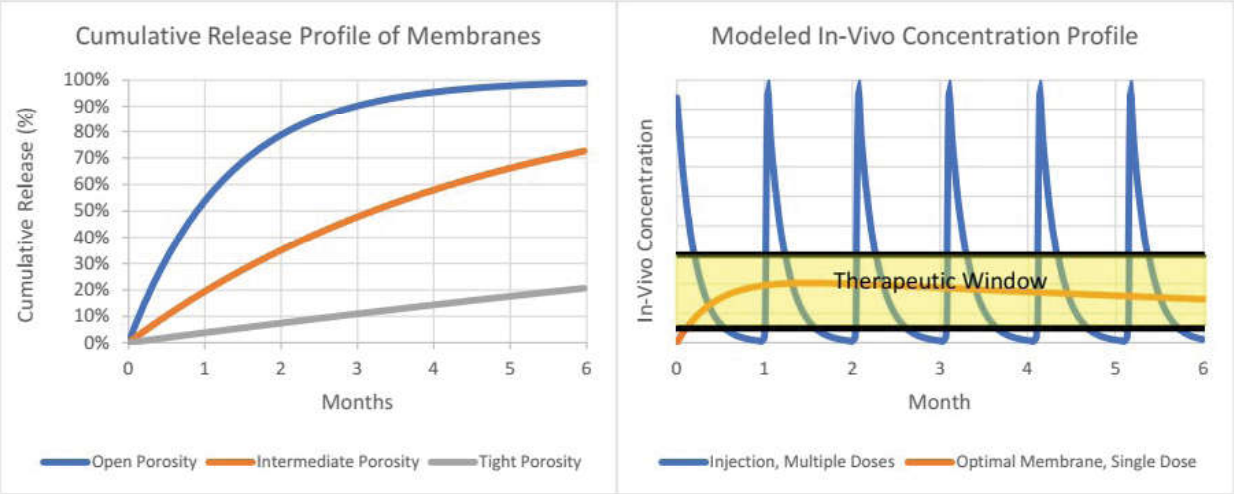
TESTING

Mott's Materials Research Lab can perform controlled release drug delivery studies using our porous media as the diffusion membrane.

Our experienced scientists and engineers will provide you with a comprehensive analysis and report on the use of Mott diffusion technology with surrogate samples to provide baseline performance data. Further testing with your unique product is also possible.

Evaluation may include:

- Diffusion Membrane Sizes
- Porosities
- Receptor Fluid Concentrations
- Suspension Concentrations



Consult with a Mott representative to learn more about drug delivery testing for your controlled release drug delivery application.