

OPEN-TOP MICROFLUIDIC DEVICES AND METHODS FOR SIMULATING A FUNCTION OF A TISSUE

Abstract

A device for simulating a function of a tissue includes a first structure, a second structure, and a membrane. The first structure defines a first chamber. The first chamber includes a matrix disposed therein and an opened region. The second structure defines a second chamber. The membrane is located at an interface region between the first chamber and the second chamber. The membrane includes a first side facing toward the first chamber and a second side facing toward the second chamber. The membrane separates the first chamber from the second chamber.

[FIG. 3]