Abstract

CULTURING STATION FOR MICROFLUIDIC DEVICE

A station for culturing biological cells in a microfluidic device is provided. The station includes one or more thermally conductive mounting interfaces, each mounting interface configured for having a microfluidic device detachably mounted thereon; a thermal regulation system configured for controlling a temperature of microfluidic devices detachably mounted on the one or more mounting interfaces; and a media perfusion system configured to controllably and selectively dispense a flowable culturing media into microfluidic devices detachably mounted on the one or mounting interfaces.

Figure 5