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(54) **Title:** MICROFLUIDIC DEVICE FOR CELL CULTURE AND METHOD OF FABRICATING THE SAME

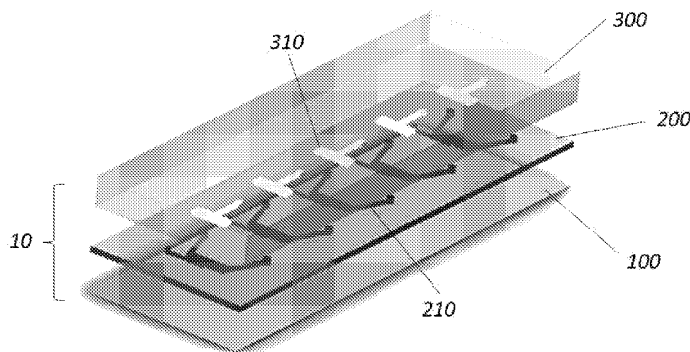


FIG. 1

(57) **Abstract:** Microfluidic devices and method of fabricating the microfluidic devices are provided. The microfluidic device (10) includes a base layer (100), a first layer (200) disposed on the base layer (100) and a second layer (300) disposed on the first layer (200). The first layer (200) defines one or more cell culture chambers (210). Each of the one or more cell culture chambers (210) configured to contain one or more cells. The second layer defines one or more air chambers (310). Each of the one or more air chambers (310) is adjacent a respective cell culture chamber (210). The microfluidic device allows the culture of single or multiple human-derived or animal-derived cells, or their co-culture with microorganisms under static or dynamic culture conditions.

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