Abstract

There is provided a processing apparatus and a processing method for micro-chamber for cell culture having a desired culturing space.

The micro-chamber processing apparatus for cell culture of the present invention comprises a micro-chamber comprising no more than one absorption layer and at least one gel layer, in this order, laminated on a transparent base plate having no conspicuous absorbency in visible and infrared regions, and at least one light source, said absorption layer having absorbency in visible and infrared regions, and said gel-like material being a substance which has a gel dissolution temperature of 100 degree C or less, solates when heated and is in a gel state at room temperature and has absorbency for a specific wave length of visible and infrared regions, and said light source having a monochromatic light in said specific wave length, wherein said light source is disposed such that it irradiates on said absorption layer and /or said gel layer, with the exception that when no absorption layer is provided, at least two layers each composed of a gel-like material are laminated on said transparent base plate.