

**METHOD AND DEVICE FOR OPENING AN EXTERNAL LAYER STRUCTURE OF
CELLS USING LASER**

5 The present disclosure relates to a method and an apparatus for opening the external layer structure of cells using laser, wherein the short pulse laser beam excited from a laser source is converged via the optical lens and concentrated at a focus, a biological sample which is fixed on the focus or moves through the focus is treated with the concentrated short pulse laser beam, so that the cell membrane or cell wall of cells in the sample is broken.

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(Figure 1 to accompany the abstract)