

Title (en)

METHOD AND DEVICE FOR MANIPULATING SAMPLES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR MANIPULATION MIT PROBEN

Title (fr)

PROCEDE ET DISPOSITIF POUR MANIPULER DES ECHANTILLONS

Publication

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Application

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Abstract (en)

[origin: WO2004040264A1] The invention relates to a method and a device for manipulating samples, in particular tissue samples, comprising at least one needle (2) for punching holes (34) in sample carriers (4), at least one additional needle (3) for punching samples out of preparations (5) and a device for detecting the position of the surface of the sample carriers (4) or preparations (5). According to the invention, the device for detecting the position of the surface of the sample carriers (4) or preparations (5) is formed by suction lines (9) that open into the needles (2, 3). Said lines are connected to a unit (10) for generating a negative pressure and a unit (11) for detecting a negative pressure, in such a way that the approach of the needles (2, 3) towards the surface of the sample carrier (4) or preparation (5) can be detected by means of the corresponding negative pressure. The inventive device is also equipped with a drive unit (7) for displacing the needles (2, 3) relative to the sample carrier (4) or preparation (5) from the detected position of the surface to a predefined punching depth (D).

IPC 1-7

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IPC 8 full level

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