

Title (en)
FLOW CHAMBER HAVING A GMR SENSOR AND A CELL GUIDING DEVICE

Title (de)
DURCHFLUSSKAMMER MIT GMR-SENSOR UND ZELLEITEINRICHTUNG

Title (fr)
CHAMBRE DE CIRCULATION COMPORTANT UN CAPTEUR À MAGNÉTORÉSISTANCE GÉANTE ET UN DISPOSITIF DE GUIDAGE DE CELLULES

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Application
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Abstract (en)
[origin: WO2011038984A1] The invention relates to a flow chamber of a flow cytometer, wherein magnetically labeled cells can be detected by means of a GMR sensor. The flow chamber comprises a cell guiding device having at least one first and one second magnetic or magnetizable flow strip. The flow strips, which serve to guide the flowing cells across the sensor in a target-oriented manner, are mounted at a distance from each other such that a magnetic field BF is produced between them. The GMR sensor is arranged in the region of the magnetic field BF between the flow strips such that the magnetic field BF can be used as the operating magnetic field BGMR of the GMR sensor. In this way, the need for additional magnets for operating the GMR sensor is eliminated.

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