

Title (en)
SELECTIVE CELL ANALYSIS

Title (de)
SELEKTIVE ANALYSE VON ZELLEN

Title (fr)
ANALYSE SELECTIVE DE CELLULES

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Application
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Abstract (en)
[origin: WO9945094A1] A method and device for the laser scanning analysis of a selected small portion of specimen cells in a stationary and very localized area of a specimen slide, which cells are primarily specifically selected to be of scanning interest. The specimen may be pretreated with an adhering medium specifically tailored to characteristics of the selected cells whereby specific cells are made adherent thereby. The specimen slide is then locally provided with a co-acting adhering material or adhering device, or filtering device in a non-impeding gate position, whereby a statistically significant number of selected cells do not reach or are adhered to the gate position and remaining non-selected cells are removed from the gate position. It is the gate position which is then scanned by the laser scanning cytometer with increased efficiency. The adhering materials are either coated onto the surface of the gating area or are provided with magnetically susceptible particles. In the latter embodiment, a localized magnet is placed adjacent the gating area to adhere magnetized selected cells to the gating area. The cells of interest may be a cell class or set having a subset (e.g., white blood cells and monocytes), with characteristics of the subset being of analytic interest. Accordingly, initial reagents are used for the adhering and additional reagents are used for marking the subset and analyzing the desired characteristics.

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