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Computer processing of large datasets in the diagnosis of cancer micrometastases in the bone marrow

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The analysis of very large number of bone marrow cells (about 100 million) is necessary for the diagnosis of micrometastases of cancer by flow cytometry. The use of fluorochromes with nonoverlapping emission spectra in modern flow cytometry technique with an acoustic focus and the subsequent logical gating of cell population were proposed to solve this problem.

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