

Information flow-cytometric systems in the diagnosis of breast cancer

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Information flow-cytometric systems in the diagnosis of breast cancer Burov D.A. 1, Selchuk, V.Y.1, 2, 3, Polyakov E.V.2, Tupitsyn N.N.1 1N.N. Blokhin Russian Cancer Research Center, Russian Federation, 115478, Moscow, Kashirskoe shosse, 23 2National Research Nuclear University MEPhI (Moscow Engineering Physics Institute), Russian Federation, 115409, Moscow, Kashirskoe shosse, 31 3A.I. Evdokimov Moscow State University of Medicine and Dentistry, Russian Federation, 127473, Moscow, Delegatskaya st., 20/1.

Immunohistochemical studies in the diagnosis of breast cancer are largely subjective, as it does not allow quantification of low expression levels. The method of multicolor flow cytometry provides the possibility of quantification. The application of information flow-cytometric systems have shown their efficiency and accuracy in the diagnosis of breast cancer.

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