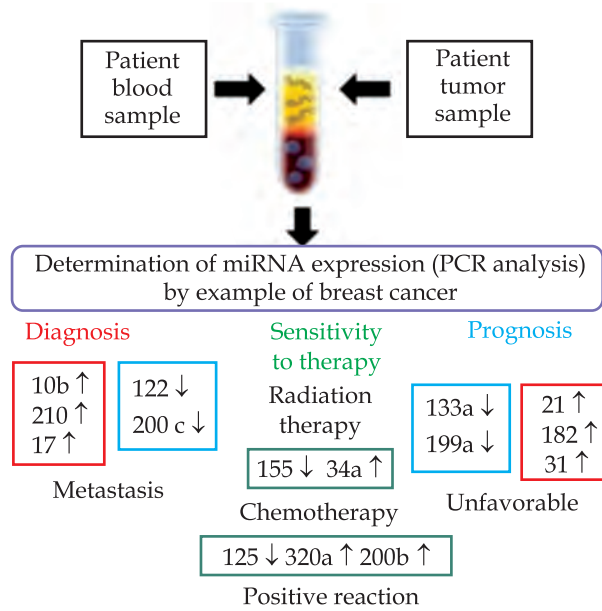


PANEL OF BIOMARKERS FOR PERSONALIZED CANCER MONITORING



Algorithm for personalized cancer monitoring

Areas of Application

The panel is designed for personalized monitoring of tumor, adjustment of treatment regimens and improvement of the life quality of cancer patients

Specification

The method is based on a new class of highly sensitive, tissue-specific epigenetic tumor markers – miRNAs and analysis of their dependence on and correlation with characteristics of molecular tumor profile

Advantages

Important advantages of miRNAs over other biomarkers are their stability, selectivity, and specificity to a particular type of cancer. The microRNA analysis provides comprehensive information about tumors (risk of recurrence, degree of malignancy, sensitivity to chemotherapy, hormone therapy, and radiotherapy, etc.). The proposed panel of biomarkers is informative, highly sensitive, and enables time saving

Stage of Development. Suggestion for Commercialization

IRL5, TRL6
Personalized monitoring with the use of proposed tumor biomarker panel, upon request

IPR Protection

IPR1, IPR3

Contact Information

Tatiana V. Pyatchanina, RE Kavetsky Institute of Experimental Pathology, Oncology and Radiobiology of the NAS of Ukraine; +38 044 259 01 67, e-mail: tanya_pyatchanina@ukr.net