

or counter clocks, allow you to analyze the state of health. As a result, if you know the characteristics of your body, you can conclude, which amount of consumed calories is the norm for the organism, and which is not. That's why these inventions should not be ignored, because they can provide quite exact information on calorie counting.

## **COMMODITY ANALISYS OF MEDICAL PRODUCTS: CITO-TESTS-FOR ONCOMARKERS DEFINITION.**

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**Introduction.** The increase in the incidence of oncological pathologies, the development of malignant neoplasms, children's oncology are one of the most serious medical problems. To diagnose cancer on an early stage, medical samples are used, oncomarkers that detect specific substances, the products of the vital activity of tumor cells, or substances produced by normal tissues in response to invasion of cancer cells in the blood and / or urine. Tumor markers can be antigens located on the surface of cell membranes, cytoplasm fragments, enzymes, etc. Today, more than two hundred oncomarkers are known. Some are quite specific, this means that by the value of the analysis it is possible to determine the localization of the tumor in the human body, which is a great advantage in diagnosing this pathology among the population.

**Aim.** To study the types of medical products intended for recognition of oncomarkers, as well as for early diagnosis of a tumor process.

**Materials and methods.** In carrying out these studies, we have used such empirical and theoretical methods: observation, analysis of literature data of consumer questioning, classification, generalization, description.

**Results and discussions.** In medical practice, there are situations when the results of laboratory research should be obtained in the shortest possible time. Often urgent diagnostics relieve serious complications and health consequences, and often the life of a patient depends on their urgency. In the early treatment of cancer, early diagnosis is important (including analysis for oncomarkers). There are many criteria for the classification of oncomarkers, but in practice, two are distinguished - based on their origin and localization of the diagnosed tumor. By origin, oncomarkers are classified into: immunological, enzymes, hormones, metabolic products, plasma proteins, receptors, protein decay products of tumors. On the localization of the tumor: mammary glands, ovaries, lungs and other human organs. The leading manufacturers of these medical products are companies: ORGENTEC Diagnostika GmbH, BCM Diagnostics, Bender MedSystems GmbH, Technoclone GmbH, Bio-Rad Laboratories, Inc. and etc. The price for oncomarkers depends on the indicators being checked, their variety, urgency and price policy of the chosen medical institution. The average price range depending on the type of test is from 90 to 150 UAH.

**Conclusion:** we have studied the species, assortment, manufacturers and the range of prices for medical products cito-tests for determining oncomarkers.