

ANNOTATION
of report on a pre-diploma practice of a sixth-year student, group BT-51s
specialty 7.05140101 - Industrial Biotechnology
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«Technology of production of immune-enzyme test-system
DIA-HCV-III»

Report of the pre-graduation practice contains 57 pages of printed text. The report consists of an introduction, nine chapters, conclusions, list of references and contains 6 figures and 4 tables.

The report of the pre-graduation practice describes the production of DIA-HCV-III test-system.

In the introduction described the urgency of a selected research topic, the purpose of pre-diploma practice and its tasks.

The first part of the report is devoted to the company and its main technical and economic indicators.

In the second part of the report presents the theoretical foundations of the technologies used in the enterprise.

In the third part of the report presents the etiology and pathogenesis of the disease under study hepatitis C.

The fourth part describes the immune-enzyme test system, namely its purpose, principles of analysis, kit and circuit of analysis.

In the fifth part of the report there is technological scheme of production.

In the sixth part of the report there is hardware circuits of production.

In the seventh part of the report describes the main stages of the technological process.

In the eighth part of the report describes control of the production and finished products.

The ninth section of the report describes the safety and environmental protection.

As a result of pre-diploma practice was solved the following problems: the general description of the company was given; principles of the immune-enzyme test, its benefits and using in the diagnosis of the virus of hepatitis C was described; the characteristic of the test-system DIA-HCV-III and the technology of its production was given.

According to the results of the pre-diploma practice the following conclusions:

- «Diaproph-Med» is a modern immunobiotechnological company specializing in developing and manufacturing test-systems based on methods of

immune-enzyme test for the diagnosis of various infectious human and animal diseases;

- immune-enzyme test has become very popular nowadays due to a number of indisputable advantages, foremost of which is the high sensitivity and specificity;

- hepatitis C has one of the main places in infectious pathology of humans and urgent problem of medical science, that's why development and production of the immune-enzyme test-systems for its diagnosis is extremely important.