

## ANNOTATION

**of report on a pre-diploma practice of a student of the 2nd year, a group of BT-71s of the specialty 162 - Biotechnology and bioengineering specialization Industrial Biotechnology**

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**on "Production of ELISA Test System for HCV Detection"**

The report on pre-diploma practice is outlined on 79 pages of printed text. The report consists of an introduction, ten chapters, conclusions, a list of references, and contains 8 figures, 4 formulas and 2 tables.

The report on pre-diploma practice describes the production of an IFA system for the detection of viral hepatitis C.

The introduction substantiates the relevance of the chosen topic of research, describes the purpose of pre-diploma practice and its task.

The first part of the report is devoted to the purpose and objectives of the manufacturing practice.

The second part of the report provides data on the history of the invention and development of PJSC "NPK" DIAPROF-MED ", the evolution of the production process on it.

The third part of the report presents the theoretical foundations of technology at the enterprise.

The fourth part of the report describes the etiology and pathogenesis of HCV.

The fifth part contains data on the ELISA test system DIA-HCV.

The sixth part contains the technological scheme of production of the test system.

The seventh part contains an apparatus scheme for the production of a test system.

The eighth part is devoted to a brief description of the main stages of the technological process of producing the ELISA test system for the detection of HCV.

The ninth part provides data on the control of production and finished products.

The tenth part is devoted to the technology of safety and protection of the environment.

As a result of the implementation of the pre-diploma practice, the following tasks were solved: the process of producing the ELISA test system for the detection of HCV was considered, the characteristics of the target product were given, the methods of technological control, the measures of labor protection and the environment were described.

According to the results of the pre-diploma practice, the following conclusions were made: high quality of production is ensured by the use of innovative technologies and equipment, adherence to GMP requirements, strict control of input raw materials. Recognition of the enterprise at the Ukrainian and international levels is ensured by the following characteristics of production, such as introduction of quality management, special attention to the environmental

factor, flexibility and mobility of production, optimal prices with high quality and efficiency.

IFA, PRAT "NVK" DIAPROF-MED ", TEST SYSTEM, SAFETY, QUALITY, EFFICIENCY.