

ANNOTATION

**of report on a pre-diploma practice of a 4th year student, of group BT-21
direction of training 7.05140101 - Industrial Biotechnology**

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**on "Development of technological scheme of production of test system DIA-
HCVIII to detect specific antibodies to hepatitis C virus"**

Report on the pre-diploma practice is set out in 60 pages of printed text. The report consists of an introduction, seven chapters, conclusion, applications, and list of references and contains 7 figures, 6 tables and has no formulas.

In the report on externship the following description of the production of ELISA test-system "DIA-HCVIII for the detection of specific antibodies to the virus of hepatitis C.

In the introduction justified the relevance of the chosen topic of the research, described the purpose of externship and its objectives.

The first part is devoted to the characteristics of the enterprise and its main technical and economic indicators.

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

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

In the fourth part of the report contains General information on immunoassay system.

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

The sixth part is the control of production and finished products.

In the seventh part describes the safety and environmental protection.

The attachment contains the hardware and technological scheme of production of enzyme immunoassay system DIA-HCVIII for the detection of specific antibodies to the virus of hepatitis C.

As a result of performing externship following tasks were solved: the production of ELISA test-system DIA-HCVIII for the detection of specific antibodies to hepatitis C virus, given the characteristics of the enterprise and the technology used on it, described the hepatitis C virus, its etiology and pathogenesis, the technological and

hardware schemes, describes the main stages of production, safety and environmental protection.

For the results of the externship following conclusions were made: company "Diaprof-Med", which was held, teaching practice, has a high technological discipline, and established a quality system, therefore, is one of the most successful on the market.