

**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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**«Production of ELISA test systems for the detection of antibodies IgG and**  
**IgM classes to HBcore»**

Report on a pre-diploma practice contained 58 pages of printed text. The report consists of an introduction, seven chapters, conclusions, references and contains 12 pictures and 3 tables.

The report on pre-diploma practice is described the production of ELISA test systems for the detection of antibodies IgG and IgM classes to HBcore.

In the introduction the urgency of the chosen theme proved, described purpose of pre-diploma practice and its problems.

The first part of the report is devoted to characteristics of the enterprise.

The second part of the report is presented the theoretical foundations of enterprise technologies.

In the third part of the report is presented etiology and pathogenesis of the disease and described ELISA.

In the fourth part of the report is described the ELISA test system «DIA-HBcore».

In the fifth and sixth parts of the report is provided technological and apparatus schemes test systems production.

In the seventh part of the report is described the stages of the technological process.

In the eighth part of the report is provided information on the control of production and finished products.

Ninth part is devoted to accident prevention and environmental protection.

As a result of pre-diploma practice have been resolved following tasks: considered technology of ELISA HBcore production, given the characteristics of the finished product, described the stages of the technological process.

According to the results of the pre-diploma practice was made the following conclusions: production test systems based on a large number of methods and includes auxiliary and main stages of the process that must be hard controlled for high quality finished product.