

**ANNOTATION**  
**of report on a pre-diploma practice of a 2th year student, of group BT-71mp**  
**specialty 162 - Biotechnologies and Bioengineering**

**specialization Industrial Biotechnology**

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**on the topic "Production of immunoassay for the detection of antibodies**  
**IgG to herpes simplex virus types 1 and 2**

Report on manufacturing practices contained 55 pages of printed text. The report consists of an introduction, eight chapters, conclusions, list of references and contains 9 figures and 2 tables.

The report of the characteristics of industrial practice enterprise Diaproph-med and considered production ELISA test kits for detection of herpes simplex virus types 1 and 2.

The introduction substantiates the importance of practice, practice and described the goal of the task.

In the first part of the report shows the characteristics of 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.

The third part of the report is devoted to the etiology and pathogenesis of herpes simplex virus.

The fourth part tells of ELISA test kits DIA-HSV1 / 2-IgG and DIA-HSV1 / 2-IgM.

In the fifth part shows the technological scheme of the test system and a brief description of the main stages of the process.

In the sixth part deals with hardware circuits manufacturing test systems.

In the seventh explains how control and production of finished products.

Eighth part gives the basic principles of safety and environmental protection.

As a result of production practices have been resolved following tasks: the theoretical foundations of technology businesses, given the characteristic ELISA test

kits DIA-HSV1 / 2-IgG and DIA-HSV1 / 2-IgM, describes technological and hardware circuits manufacturing test systems.

**KEY WORDS:** herpes simplex virus, ELISA, recombinant DNA, antibodies, IgG, IgM.