

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 topic “Production of immunoenzymometric test-system DIA-HIV-
Ag/Ab”**

The report contains 65 pages of printed text. It consists of an introduction, seven chapters, conclusions, list of references and contains 8 figures and 2 tables.

The report of the pre-diploma practice describes the production of recombinant protein gp 41 HIV-1.

In the introduction the urgency of the chosen research topic, purpose of the pre-diploma practice and its problems are described.

The first chapter of the report is devoted to enterprise characteristic and its main technical and economical data.

The second chapter of the report presents the theoretical foundations of technology.

In the third chapter of the report the etiology and pathogenesis of HIV infection is described.

In the fourth chapter using an immunoenzymometric test-system in the diagnosis of HIV infection is described.

In the fifth chapter an immunoenzymometric test-system DIA-HIV-AG/AB is analyzed.

The sixth chapter is dedicated to the control of production and product quality.

The appendixes contain process flowsheet and technical design for essential equipment for immunoenzymometric test-system DIA-HIV-AG/AB production.

As a result of the pre-diploma practice the following tasks have been resolved: the technology of production is reviewed; the characteristic of the enterprise is noted; the theoretical points is described.

According to the results of the pre-diploma practice, the following conclusions were made: as a result of practical training at the enterprise "Diaprof- Med" we gain information about the enterprise structure and the variety of manufactured products.