

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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«Technology of ELISA test system DIA[®]-Toxo-IgG»

The report of the pre-diploma practice contained 58 pages of printed text. The report consists of an introduction, seven chapters, conclusions, list of references and contains 8 figures, 2 circuits and 2 table.

The report gives a valuable information on the production of ELISA test systems for the quantitative determination of antibodies to *T. gondii*.

Much attention in the introduction is given to the urgency of the chosen research topic, purpose of pre-diploma practice and its problems.

The company and its main technical and economic indicators are described in the first part of the report.

The second part of the report gives a detailed analysis of the theoretical basis of technology of recombinant DNA.

The etiology and pathogenesis of pathogen of toxoplasmosis are discussed in the third part of the report.

The fourth part of the report gives a detailed analysis of the ELISA test system DIA[®]-Toxo-IgG.

The fifth, sixth and seventh parts consist of the technological scheme, production control and safety .

The technological and hardware circuits of production test systems DIA[®]-Toxo-IgG is proposed in the addition .

The description of technological process of production test systems, the characteristic of final product and main methods of quality control have been examined and resolved as a result of pre-diploma practice.

It was made the following conclusions according to the results of the pre-diploma practice: production test systems is complex and time-consuming process that requires constant quality control.