

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 technology of recombinant insulin»

Report on a pre-diploma practice contained 31 pages of printed text. The report consists of an introduction, six chapters, conclusions, list of sources and contains 2 pictures and 3 table.

The report on a pre-diploma practice describes the production technology of recombinant insulin.

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

The first part of the report is devoted to the history of the company "Indar".

In the second part of the report shows the characteristics of insulin: the history of the discovery of insulin structure, types of insulin and its analogues.

The third part of the report is devoted to the production of insulin. The methods of production of insulin . the advantages and disadvantages of recombinant insulin were shown.

The fourth part of the report devoted to the technology of production of insulin by the company "Indar".

The fifth part deals with waste and methods of it disposal.

In six part are given the safety information and labor protection.

In the appendix presented technological and hardware circuits of insulin production.

As a result of pre-diploma practice have been resolved following tasks:
are shown the modern technology of production of insulin, are characterized the insulin analogs

and described basic methods of waste disposal.

According to the results of the pre-diploma practice it was made the following conclusions:

Production of insulin is a difficult and responsible process, which is requires the appropriate training of personnel and constant monitoring of premises and equipment cleanliness.