

ANNOTATION
of report on a pre-diploma practice of a 4th year student, of group BT-21
direction of training 6.051401 - Industrial Biotechnology
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« Immune-enzyme test systems for the detection of antibodies to *Treponema pallidum* »

Report on a pre-diploma practice contains in 58 pages of printed text. The report consists of introduction, eight chapters, conclusions, a list of references and contains 7 figures and 3 tables.

In the report on the pre-diploma practice the description of immune-enzyme test systems for the detection of antibodies to *Treponema pallidum*.

In the introduction the topicality 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 company.

In the second part of the report a description of the foundations of the technologies used in the enterprise.

The third part of the report contains data on syphilis, its etiology and pathogenesis.

The fourth section is devoted directly ELISA test system «DIA-SYPH». Shows its purpose, principle analysis kit and location analysis.

In the fifth section, the flowsheet test systems.

The sixth part concerns the main stages of the process.

In the seventh part describes the quality control system of production.

In eight of the highlights safety and environmental protection.

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

Production test systems is time consuming and responsible process that requires constant monitoring, skilled work and proper maintenance of equipment.