

ANNOTATION
of report on a pre-diploma practice of a 2th year student, of group BT-71mp
specialty 162 - Biotechnologies and Bioengineering
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The report on pre-diploma practice is outlined on 36 pages of printed text. The report consists of an introduction, three sections, conclusions, a list of references and contains 10 figures, 2 formulas and 2 tables.

The report on pre-diploma practice contains sections: introduction, review of literature, materials and methods of research, results and their discussion, conclusions, list of literature.

The introduction substantiates the relevance of the chosen topic of research, describes the purpose of the practice and its tasks.

The object of the research was the physico-chemical parameters of cultivation of the surface-dependent cell culture of the pork kidney embryonally-verified on the developed nozzle made of polyethylene film tapes.

In this work materials and methods are used, which are RINGA with a rare erythrocyte diagnostic library "Rotates", simple quick tests of CITO TEST ROTA (Pharmasco) based on the method of immunochromatographic analysis, centrifugation, cell sorter, glucometer.

The main results are the presentation of a new bioactive and non-toxic technology for the production of nozzles for cultivating surface-dependent cell cultures, which allows the creation of a spatially dense structure with a high ratio of surface area for attachment and growth of cells / volume of cultivation ($1 \text{ sm}^2 / 0.6 \text{ ml}$), elements of which are not sintered and do not change the area during sterilization.

As a result of the implementation of pre-diploma practice, the following tasks were solved: the processes and parameters of development of biotechnology of isolation and cultivation of rotaviruses in cell culture on polymeric media were substantiated and investigated in order to increase the amount of antigen in the production of the vaccine.

ROTAVIRUS, CULTURE, NOSTAK, POLYMER, CULTIVATION