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METHOD OF BACTERIOPHAGE PARTICLE CONDENSATION

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Commercialization opportunities



- Licensing agreement
- Transfer of ownership
- Spin off

■ IP Status



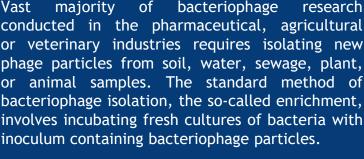
The invention was submitted for patenting according to Polish (P.410134) procedures.

Implementation progress



TRI 4

Technology validated in laboratory conditions



Existing enrichment methods posess a number disadvantages. Firstly. bacteriophage multiplication rate in the culture relies on the size of inoculum used, with smaller volumes resulting slower multiplication. enrichment methods lacks selectivity - if two or more species of bacteriophage are present in the sample, only one of them may propagate, at the expense of other phage species. Alternative methods based on centrifugation, dialysis or adsorption of bacteriophage particles are not only time-consuming, but also require costly laboratory equipment and skilled personnel.

Invented method allows for bacteriophage concentration without selective multiplication in host culture cultures, which results in significant acceleration of bacteriophage particle production and cost reduction. The method is simple, quick, reliable and enables bacteriophages to succesfully isolated from samples with hundredfold lower of concentration phage than conventional particles propagation bacterial culture. Moreover, the method does not require specialized laboratory equipment and is signifficantly less expensive than other methods based on centrifugation, filtration or dialysis.

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