

METHOD FOR MEASURING THE CONCENTRATION OF BACTERIOPHAGES

Technology transfer | Business opportunities

Fields

- Electrical engineering
- Electronics engineering
- Raman spectroscopy

Benefits

- Elimination of complex electronics components
- Costs reduction
- Selection procedure online

Intellectual property

- Unpublished patent application

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Description

A new approach based on the Photonic- RF and fiber all-optical Raman Spectroscopy has been developed.

The RAMARF system allows a simple assessment of the concentration of bacteriophages and their binding capacity target in multiple samples. This assessment can be done during the "stage of screening and leads to a more efficient procedure for selection of clones.

This system is suitable for the measurement of affinity between bacteriophage and the target peptide.

Development status

Basic research has proven the efficiency of this new approach.

A competitive prototype based on this process could be designed.



Technology Readiness Level 3: Experimental proof of concept
Next step: Validation of the technology in a laboratory