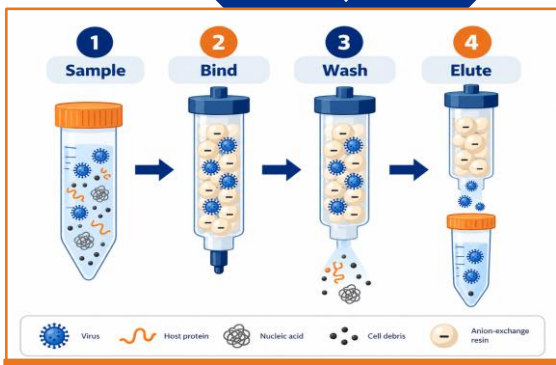
University of Pécs
1367

Anion-Exchange Virus Purification Technology

Patent-pending technology for efficient and scalable virus purification



From Sample to Purified Virus

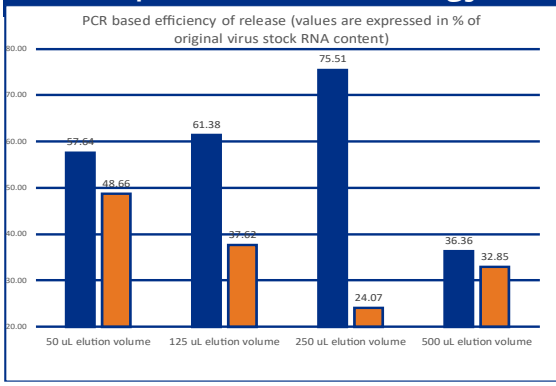
CHALLENGE

Virus purification is a critical and costly step in vaccine manufacturing, diagnostics, and biotechnology. Conventional methods face limitations in viral recovery, product losses, and scalability, creating a need for more efficient and cost-effective downstream processing technologies.

SOLUTION

A patent-pending, resin-based anion-exchange virus purification platform. Combining optimized viral binding with a proprietary elution formulation, the technology improves virus recovery and offers compatibility with industrial chromatography systems. **Validated using SARS-CoV-2 and Zika virus models at TRL6.**

PCR-Based Viral RNA Recovery Blue represents our technology



INVESTMENT HOOK

A patent-pending, experimentally validated virus purification technology with exclusive commercialization rights held by RoLink Biotechnology. The platform offers opportunities in vaccine manufacturing, diagnostics, and industrial bioprocessing, with potential for international technology licensing and scalable commercial applications.

WE ARE SEEKING FOR

We are seeking a minimum of **HUF 150–250 million (approximately EUR 375,000–625,000)** in development funding, strategic industrial partnerships, or investment to support industrial scale-up, continuous-flow integration, pilot validation, and international commercialization.

THE TEAM



Dr. Gábor Kemenesi
National Laboratory of Virology
scientific leadership and project coordination



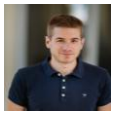
Dr. Anett Kuczmog
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scientific supervision and process development



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technology development, validation, implementation, and data evaluation



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technology development, validation, implementation, and data evaluation



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technology development, validation, implementation, and data evaluation

Tradition & Innovation

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Technology demonstrated in a relevant environment.

Global vaccine manufacturing, viral purification, diagnostic reference materials, and biotechnology CDMO services. **Multibillion-dollar global industry**

Patent application P2400154

Already generated around 55 000 EUR in revenue

Involved in UP PoC / RoLink / EDF grants and projects

2.4× Higher recovered infectious virus titre with our proprietary elution formulation

Dual Validation Antigen detection and infectious virus recovery

Scale-Up Ready* Resin-based platform compatible with column chromatography