

Rapid viral diagnostics reagents, without the need for nucleic acid extraction

The standard protocol for virus detection in patient samples is nucleic extraction followed by amplification by Quantitative Polymerase Chain Reaction (qPCR) or Loop Mediated Isothermal Amplification (LAMP). For RNA viruses a reverse transcription step precedes qPCR (RT-qPCR) and LAMP (RT-LAMP).

The nucleic acid extraction step is critical to remove components of the viral transport media (VTM) and of the saliva/buccal swab which inhibit the qPCR/RT-qPCR and LAMP/RT-LAMP.

In the RVDR Project, the project partners will develop a series of qPCR and LAMP reagents, which are not inhibited by saliva, removing the cost and time of nucleic acid extraction steps in clinical diagnostics.

Project Data:

Project title: Rapid viral diagnostics reagents, without the need for nucleic acid extraction

Project ID: Eurostars-3 #168 RVDR; 2022-1.2.7-EUROSTARS-2022-00001

Contractor:

TargetEx Kft.

HQ: Madách Imre utca 31/2, Dunakeszi, Hungary, H-2120

Tel: +361-279-3153

E-mail: info@targetex.com

web: <http://www.targetex.com/>

Supporter:

National Research, Development and Innovation Office
Hungarian Government

Office: Kéthly Anna tér 1., Budapest, Hungary, H-1077

Tel: +36 1 795-9500

E-mail: nkfialap@nkfih.gov.hu

web: <https://nkfih.gov.hu/english-nkfih>