

ViRNAEx™ - Viral RNA Extractor

ViRNAEx™ enables fast purification of high-quality RNA from cells collected by standard nasopharyngeal swabbing. Samples can be conveniently delivered in classical viral transport media (VTM).

RNA purification using the **ViRNAEx™** can be automated on any pipetting automat. For smaller and larger samples, the volume of extracting buffer may be adjusted. The recommended starting volume is 100 µl of sampling solution (VTM).

Introduction

ViRNAEx™ RNA extraction solution enables instant and inexpensive RNA isolation from viruses with a possibility to use RNA subsequently in real time PCR testing (**5-10 µl of RNA- solution per qPCR reaction is recommended**). The duration of RNA sample preparation is shortened to 17 minutes including pipetting steps.

Kit Components

- 10mL tube with extracting mixture **ViRNAEx™** or
- 50mL tube with extracting mixture **ViRNAEx™**

Product specifications

Storage after opening: under 8 °C

Unit Definition: 10mL or 50mL

Quality Control: QAM 20200414

RNAse testing: RNAses free 20200414

Research Use Only

For fresh samples, only!!! Do not use VTM- frozen samples!!!

Protocol - Isolation of RNA from nasopharyngeal, buccal swabs

1. Mix **100µl** of the biological sample (VTM) with **100µl** of the extraction solution **ViRNAEx™**
2. Incubate at **70°C (158°F)** for **11 or 15 minutes** (Some VTMs may work better after heating for 15 minutes, please check your VTM for 11 or 15 minutes and adjust the best time for your samples)
3. Dilute the pre-heated mix **1:1** with nuclease free water
4. Use the diluted solution (**5-10µl**) for down-stream PCR applications

