COMPLETE SOLUTIONS FOR SARS-COV-2 DIAGNOSTICS

THE KIT CONTAINS:

ATM-1 sampling device

Quick identification of COVID-19 cases enables us to react quickly, in order to preserve the safety of our community and stop the spreading of the virus. Early testing also helps to identify individuals who came into contact with someone infected, hence they can be isolated and treated quickly.

The SARS-COV-2 diagnostic testing kit provides you with a complete solution that enables easy identification of COVID-19 disease.

Test and preserve the safety of your community.

Benefits of the test package are:

- **Safe handling:** The ATM-1 sampling device immediately inactivates viruses hence enables safe handling and transportation of the specimen.
- **Fast:** The AviRNA extraction kit is designed for a rapid and efficient purification of high-quality virus RNA (nucleid acid that carriecd2026s the genetic information of many viruses).
- **Easy:** 1-step real-time quantitative PCR detection to identify the virus by the quantification kit.
- **CE/IVD certificaton:** All devices and reagents of the test package have been CE/IVD certified and are suitable for diagnostic purposes.
- **Shaped to your needs:** The items can be purchased in a package and individually also.

AviRNA viral
RNA extraction kit

Compared to past PCR methods Real-Time PCR enables:

- Fast real-time RNA detection
- No need for post PCR detection methods
- Quantitative method, hence more precise

Cov2QuantTM SARS-Cov-2
Quantification kit

THINKING AHEAD

FEMTONICS

Femtonics Ltd. HQ
info@femtonics.eu | www.femtonics.eu

CE IVD

CE/IVD certified
devices and reagents

HOW IT WORKS?

The kit contains the following items:

1. ATM-1 sampling device
2. AviRNA viral RNA extraction kit
3. Cov2QuantTM SARS-Cov-2 Quantification kit

1. ATM-1 sampling device
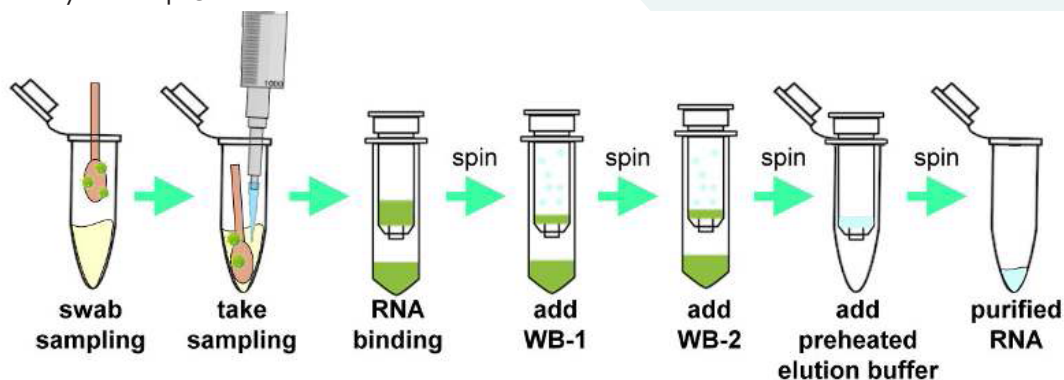### SAMPLING DEVICE – SAFE HANDLING AND TRANSPORTION

ATM-1 contains ready-to-use virus transport medium with sterile otolaryngological swabs for professional *in vitro* diagnostic use which is suitable for the sampling, storage and transmission of biological samples containing viral hereditary material. Based on the unique properties of ATM-1 solution, it immediate inactivate viruses, and stabilize the RNA for up to 96 hours to provide safer and more efficient workflow for molecular diagnostic purposes, testing and sequencing.

- Transport tube (cryo tube with screw cap) filled with ATM-1 buffer
- Floacked sampling swab
- Properties of ATM-1: Immediate virus inactivation, solubilization, RNA protection

2. AviRNA Viral RNA Extraction kit
FAST, 3-STEP RNA PURIFICATION

The **AviRNA Viral RNA Extraction kit** is designed for a rapid and efficient purification of highquality RNA from otolaryngological swabs transferred in ATM-1 buffer (ATM-1 Virus Transport Medium, REF: ATM-1).
The kit utilizes spin minicolumns with membranes which efficiently and selectively bind nucleic acids from ATM-1 Virus Transport Medium. A two-step washing stage effectively removes impurities and enzyme inhibitors. Purified RNA may be used directly in RT-qPCR.
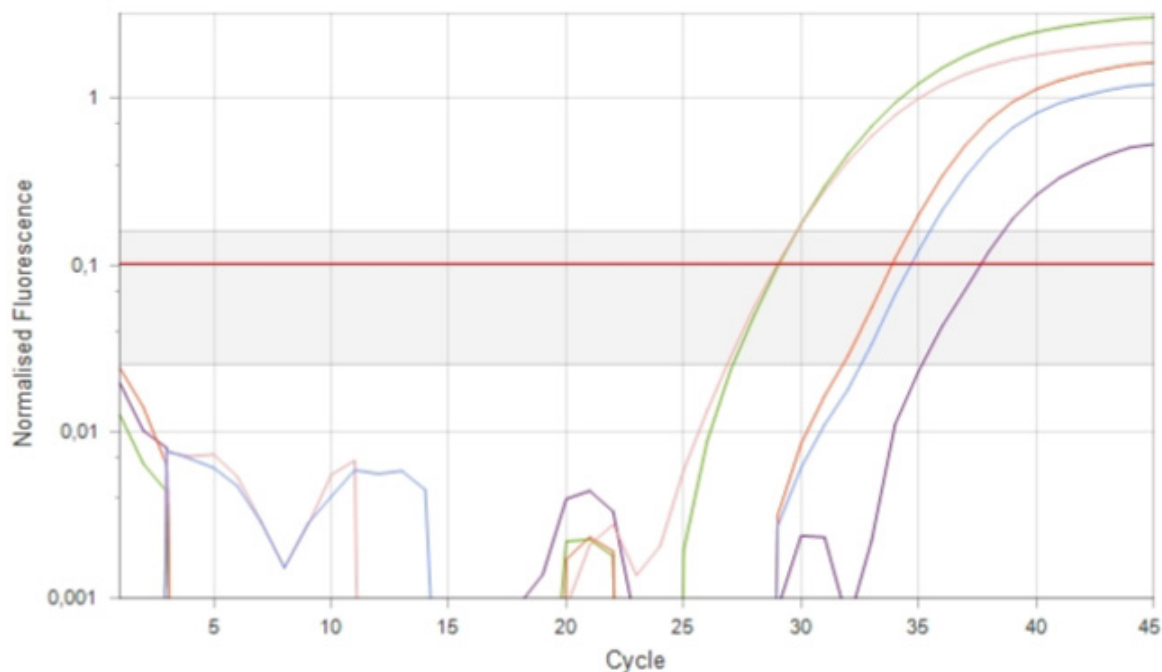

swab sampling → take sampling → RNA binding → spin → add WB-1 → spin → add WB-2 → spin → add preheated elution buffer → spin → purified RNA

3. Cov2QuantTM SARS-Cov-2 Quantification kit

EASY, 1-STEP RT-QPCR DETECTION

Cov2QuantTM SARS-Cov-2 Quantification kit is a One-step reverse transcription real-time PCR (RT-QPCR) kit designed to detect the novel corona virus, SARS-Cov-2, quantitatively by using reverse trascription reaction and quantitative real-time polymerase chain reaction.

Specific primers used for detection:
- Primers designed based on WHO recommendations
- SARS-CoV-2 gene specific primers
- Internal control
- Positive control

The figure shows PCR analysis of 5 samples. The growing number of DNA, resulting from the PCR amplification, involves the increase of fluorescent signal. After 30 cycles (approx. after 17 minutes) the significant increase in fluorescent signals (0.1<) indicates a positive result for the COVID-19.

Contact us

If the SARS-COV-2 diagnostic kit raised your interest, we are happy to assist you! Contact us at **sales@femtonics.eu** where you can inquire more in-depth information about the products and the prices.

THINKING AHEAD

FEMTONICS

Distributor:
Femtonics Ltd. HQ
info@femtonics.eu **|** www.femtonics.eu