



rNAT Transfer Tube

REF No: RC-NA-513



Content	Amount	Storage	Transfer
rNAT Transfer Tube	100 Tube	Room temperature	Room temperature
Materials supplied by the user			
1) Vortex			
2) 100-1000 µl Micropipette and tips (DNase and RNase free)			

INTENDED USE

rNAT Transfer Tube contains 2 mL of viral nucleic acid extractive and preservative liquid. When clinical specimens suspected of respiratory tract infection are transferred in this tube, the liquid inside the tube can be used directly in real-time PCR (qPCR) reactions. The nucleic acid extractive and protective liquid inactivates all viral, bacterial or eukaryotic pathogens in the sample 5 minutes after contact with the clinical specimen.

SAMPLE PROTOCOL

Swab samples:

- Place the swab into rNAT Transfer Tube after the sampling.

Samples in liquid form

- After vortexing the sample tube for 15 seconds, transfer 2 ml liquid sample into rNAT Transfer Tube.

Sputum

- Mix and homogenize equal amount of sputum and nuclease-free water (VTM or 1x PBS can be used instead of water)
- Transfer 2 ml liquid homogenized sputum into rNAT Transfer Tube.

TRANSPORTATION, ANALYSIS AND STORAGE PROTOCOL

- Deliver rNAT Transfer Tube containing the sample to the laboratory at 2-8 ° C within 3 days at the latest.
- Vortex the tube at the highest speed for 15 seconds.
- The sample in the tube is ready to use in qPCR.
- If the samples are not subjected to qPCR analysis immediately, store them for no more than 5 days at 2-8 ° C. If further delay is expected, samples can be stored for 1 year at -20 ° C.

qPCR ANALYSIS PROTOCOL

The sample transferred with the rNAT Transfer Tube can be added directly to the qPCR reactions without any processing. The sample volume added to the qPCR reaction should not exceed 25% of the total reaction volume.

Reverse-transcriptase qPCR (RT-qPCR) set-up example	
Content	Volume
The enzyme, oligonucleotide and reaction buffer mixture required for RT-qPCR	35 µL
Sample transferred with rNAT Transfer Tube	15 µL
TOTAL RT-qPCR volume	50 µL



REDCELL BIOTECHNOLOGY A.S. Şerifali Mah. Beyit Sok. No: 66 / 4 Ümraniye İstanbul Tel: +90 216 449 49 27 info@redcell.com.tr