

1. Content of Product and Shelf Life

Product	Content	Definition	Quantity
TUSEB DiaVnat Extraction and Transfer Tube *	TUSEB DiaVnat Extraction and Transfer Tube	Microbial nucleic acid storage and stabilization fluid	100 tubes

*Shelf Life: 36 months.

2. Storage and Transfer Conditions of TUSEB DiaVnat Extraction and Transfer Tube

TUSEB DiaVnat Extraction and Transfer Tube should be stored and transported at 5-25 °C.

3. Intended Use

The TUSEB DiaVnat Extraction and Transfer Tube contains 1.8 mL of a viral nucleic acid extracting and protective liquid. When clinical samples taken with suspected respiratory tract infection are transferred into this tube, the nucleic acid extracting and protective fluid inside the tube can be used directly in real-time PCR (qPCR) reactions. The nucleic acid extracting and protective liquid inside the tube inactivates all viral, bacterial or eukaryotic pathogens in the sample 3 minutes after contact with the clinical sample.

4. Sampling Protocol

Swab Samples:

After sampling, place the Sample Collection Swab into the TUSEB DiaVnat Extraction and Transfer Tube and vortexed for 10 sec.

Samples in Liquid Form:

The sample tube at the highest speed for 15 sec. after vortex, the liquid sample ($1 \text{ mL} \leq \text{sample volume} \leq 2 \text{ mL}$) is transfer into the TUSEB DiaVnat Extraction and Transfer Tube and vortexed for 10 sec.

Sputum:

An equal amount of sputum and nuclease-free water (VTM or 1xPBS can be used instead of water) are mixed and homogenized. It is kept for 1 minute to settle the solid/ viscous layer. The sample from the liquid portion remaining on the upper side ($1 \text{ mL} \leq \text{sample volume} \leq 2 \text{ mL}$) is transferred to the TUSEB DiaVnat Extraction and Transfer Tube.

5. Transportation, Storage and Analysis Protocol

1. The TUSEB DiaVnat Extraction and Transfer Tube containing the sample is stored and delivered to the laboratory at 2-8 °C.
2. TUSEB DiaVnat Extraction and Transfer Tube is vortexed at highest speed for 10 sec.
3. The sample in the TUSEB DiaVnat Extraction and Transfer Tube is ready for use in the qPCR reaction.