



1335 W. 1650 N.
Springville, UT 84663 USA
+1.801.489.9100

TSP_Collection Kit Technical Bulletin

Collection Kit: Swab and a Transport Vial with Stabilization Solution

Intended Use:

The Collection Kit is a ready-to-use product that is intended for the collection and temporary preservation of clinical specimens containing viruses and bacteria and transporting them from the collection site to the testing laboratory. The transport vial with stabilization solution can be processed using standard clinical laboratory operating procedures for molecular assay testing of specimens that possibly contain infectious agents.

Specifications:

Product Type	Collection Kit
Swab Configuration	Standard Size swab
Shaft	Breakable plastic or with breaking point
DNA/RNA Stabilization Solution*	Stabilizes the genetic integrity of the sample at ambient temperatures. Completely inactivates infectious agents.
Use	Standard size swab for collection of clinical specimens intended for molecular assay testing
Storage	Store at 2-33°C, up to 12 months
*Not suitable for culture of infectious agents	

Product Introduction:

This product is ready for use and requires no further preparation. The product includes the plastic shaft swab and screw-capped tube with stabilization solution, which inactivates the specimen. The transport product provides a simple, safe and effective solution used to stabilize RNA and DNA of viruses and bacteria in the sample for up to one-week (No greater than seven (7) days) at room temperature without degradation, allowing the collection of the high-quality DNA/RNA required by downstream testing and experiments. The stabilization solution contains: a protein denaturant, and ethanol to degrade lipids. The solution inactivates viruses and bacteria by destroying their outer protein structures, providing safety for personnel during transportation and use while at



1335 W. 1650 N.
Springville, UT 84663 USA
+1.801.489.9100

TSP_Collection Kit Technical Bulletin

the same time stabilizing microbial nucleic acids. The samples stored in this product can be used for subsequent nucleic acid extraction and molecular assay testing. The Stabilization Solution abides by the Center for Disease Controls (CDC) guidelines for pathogen inactivation. The stabilization solution is not suitable for culture of infectious agents.

Precautions:

1. After collection, the viral nucleic acid in the sample can be stored at room temperature for up to one-week (No greater than seven (7) days, which provides convenience for transportation and storage.
2. This product can inactivate the virus and bacteria, addressing biosafety concerns in the process of sample transportation and molecular testing after collection, ensuring the safety of transportation and laboratory personnel.
3. Simple and easy to use, samples can be collected at the point of need.
4. After the stored sample's target RNA or DNA is extracted by commercial extraction kits, various gene detection and molecular assay tests can be performed, such as PCR, qPCR, NGS, SNP, etc.

Method:

1. Clean hands before sampling. Tear open the package and remove the swab. Be careful not to touch the swab head.
2. Patient samples should be collected according to the US CDC and W.H.O. recommendations for collecting and testing human respiratory samples.
3. After sampling, put the swab into the tube containing the preservative solution, avoiding contact with other parts.
4. Break the swab tip, discard the stick, and recap the tube containing the sample.