

COLLECT • INACTIVATE • STABILIZE • PRESERVE

Directions for Handling Primary Sputum Samples with PrimeStore MTM[®]

1. Open sputum collection cup using established safety procedures and guidelines designated by your laboratory.
2. Using a sterile flocked swab, submerge swab into sputum. Swirl and rotate swab 5 times throughout the collection cup.
3. Transfer flocked swab containing collected sputum directly into PrimeStore MTM[®] collection tube. The volume of sample absorbed onto a flocked swab is typically 0.1 to 0.2 mL.
4. Break off swab handle at the scored mark and leave the remainder of the swab with the flocked end in the PrimeStore MTM[®] tube.
5. Replace cap on the collection tube and tighten securely.
6. Mix the closed collection tube using a laboratory vortexer for 10 seconds to release sputum into PrimeStore[®] solution.
7. Allow sample to stand for a minimum of 30 minutes to emulsify sputum in PrimeStore MTM[®].
8. Alternatively, up to 0.5 mL of clinical sample material (nasal wash or sputum sample) can be pipetted directly into a PrimeStore MTM[®] tube. A minimum ratio of 3:1 PrimeStore MTM[®] to sample is recommended.
9. Place cap back on PrimeStore MTM[®] tube and tighten securely.
10. Store samples in PrimeStore[®] at room temperature until ready to ship. RNA and DNA from sample collected in PrimeStore MTM is stable for up to 30 days at ambient temperatures (+15 - 27 °C).
11. Vortex briefly for 10 seconds.
12. Proceed with DNA/RNA purification using a commercially available extraction kit.

**WARNINGS: DO NOT insert swab into solution before collecting patient specimen.
DO NOT drink, touch or remove PrimeStore MTM[®] from collection tube.
Do NOT transfer PrimeStore MTM[®] into other tubes.
DO NOT pool PrimeStore[®] into larger volumes or leave tubes uncapped for more than 10 minutes.**

PrimeStore[®] Reagent Safety and Health Precautions

PrimeStore[®] contains a proprietary blend of reagents that includes a reducing agent and chaotrophic compound (Health Rating: 2, Reactivity: 0). These chemicals can be harmful if inhaled and/or ingested. PrimeStore may cause irritation to skin, respiratory tract and eyes.

First Aid Measures

Skin Contacts	Get medical aid. Immediately flush skin with soap and water while removing contaminated clothing and shoes.
Eye Contact	Immediately flush eyes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Inhalation	Remove from exposure to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Ingestion	Do not induce vomiting. If victim is conscious and alert, give 2-3 cups of water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

Caution: Do not ingest solution.

Avoid contact with eyes.

If contact occurs, wash with copious amounts of water and consult a physician.