



Longhorn PrimeStore® Molecular Transport Medium Fact Sheet

PrimeStore® Molecular Transport Medium (MTM) Use

PrimeStore® MTM is intended for the stabilization, transportation, and inactivation of infectious agents and is an approved transport media for COVID-19 diagnostic swab samples.

MTM Incompatible Platforms & Usage Warning

This transport media **contains guanidine thiocyanate. When exposed to bleach (sodium hypochlorite), a chemical reaction occurs releasing cyanide gas.**

Incompatible RT-PCR platforms:

- Diasorin
- Hologic when post assay bleach disinfectant is used

SAFETY WARNING: Do not use PrimeStore® MTM with the Hologic Panther or Panther Fusion systems unless the lab deactivates the disinfecting step involving bleach.

• MTM Receivers & Shipping Guidance

It is important to be aware that some large commercial laboratories, including Quest and LabCorp, do not accept PrimeStore® MTM. Please confirm that the reference laboratory you are using accepts PrimeStore® MTM before sending samples for diagnostic testing. States distributing individual media tubes to collection sites should confirm that each MTM vial is labeled to ensure that the receiving laboratory is aware that the tube contains MTM.

MTM Compatible PCR Platforms & Extraction Kits

PrimeStore® MTM is compatible with COVID-19 testing using the following RT-PCR platforms:

- Roche
 - Cobas
 - MagnaPure
 - Lightcycler
- Thermo Fisher
 - Applied Biosystems (ABI) 7500
 - Kingfisher (MagMax)
 - QuantStudio
- Abbott M2000

PrimeStore® MTM is compatible with COVID-19 testing using the following RNA extraction methods:

- Qiagen
 - Manual Extraction Mini kits
 - QiaSymphony
- Roche MagnaPure

- BioMerieux NucliSENS easyMAG
- Cepheid GeneXpert
- Quidel (validated by the Manufacturer on their COVID assay)
- GenMark (validated by the Manufacturer)
- Siemens (validated by the manufacturer)
- Versant
- BioFire (Validated for Blood by the Manufacturer)
- Cytiva (Formerly GE Life Sciences)
- Sera-Xtracta Virus/Pathogen Kit- Validated by the manufacturer on COVID
- PSS (Validated by Longhorn)
- Maglead
- Luminex (Peer Reviewed studies on viral pathogens)
- Longhorn PrimeXtract