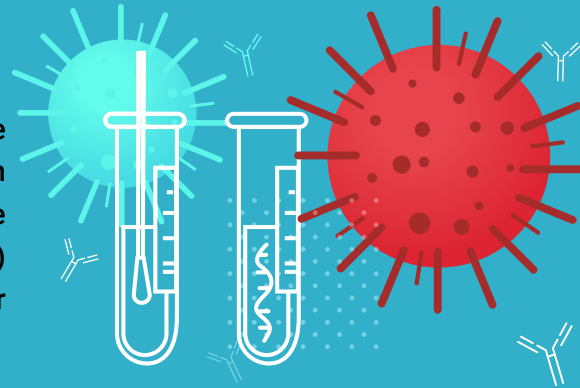


## McMaster Molecular Medium™ (MMM) inactivates and stabilizes coronavirus and other viral pathogens from collection to lab.

Researchers from McMaster University and St. Joseph's Healthcare Hamilton's Disease Diagnostics and Development Group produced this room-temperature stable molecular transport medium for collection, transport, maintenance and long-term freeze storage of viruses.

### HOW IT WORKS

MMM can be used with both NPS and oral/throat swabs and samples are placed directly into standard automated testing equipment. The combination of chaotropic agents, buffers, detergents and chelators inactivates the specimen, keeps RNA stable for two (2) months and DNA for four (4) months at room temperature and facilitates faster extraction times for processing.



#### SAFER SAMPLE COLLECTION

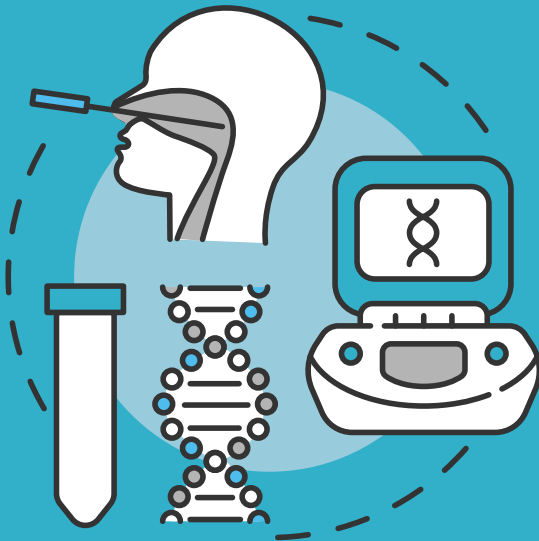
- Inactivation of sample for safer handling
- Prevents infectious aerosol generation

#### PRESERVES NUCLEIC ACID

- Virus is inactivated and is stable for molecular testing
- RNA preserved at room temperature for 2 months
- DNA preserved at room temperature for 4 months
- Works with other viruses

#### IMPROVES WORKFLOW

- Increase testing capacity up to four times by pooling specimens
- Direct from tube sampling on many automated platforms - eliminates the need to manually pipette thousands of samples
- No need for aliquoting or heat inactivation of samples



*"Patient swabs collected in MMM are biosafe, stable, and automation-compatible. MMM saves technologist time and helps keep them safe, while ensuring excellent specimen integrity and test quality. The Hamilton Regional Laboratory Medicine Program's virology laboratory has performed over 1 million COVID-19 tests, using MMM and high-throughput robotics, and we have benefited greatly from access to this automation-friendly medium for PCR testing."*

**Marek Smieja, MD, PhD, FRCPC**

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