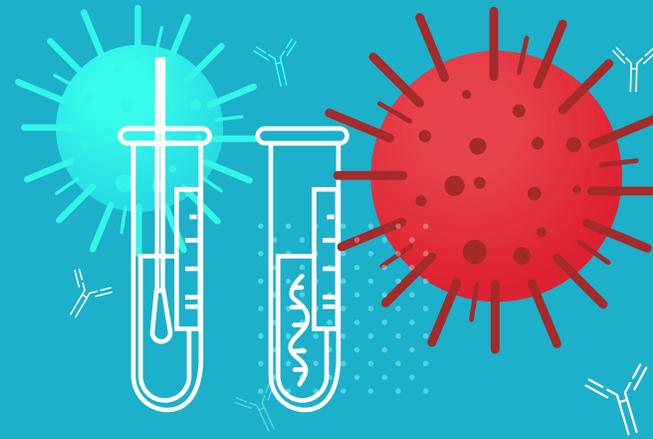
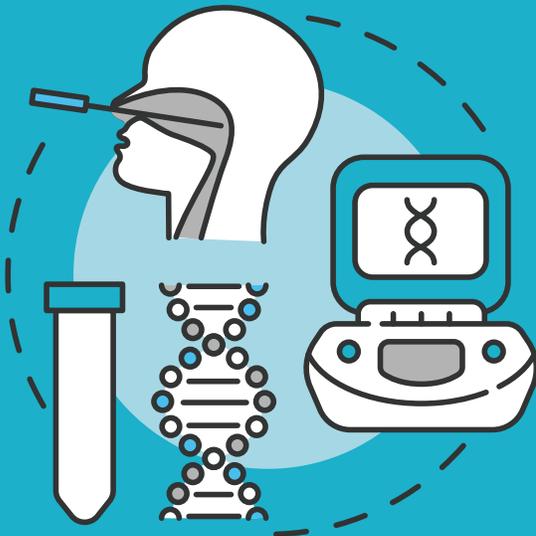


The McMaster Molecular Medium™ (MMM) inactivates and maintains coronavirus and other viral pathogens for molecular testing.

Researchers from McMaster University and St. Joseph's Healthcare Hamilton's Disease Diagnostics and Development Group produced this room-temperature stable viral transport medium for collection, transport, maintenance and long-term freeze storage of viruses. It is approved for research and is currently used for COVID-19 testing in Public Health labs across Ontario.

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 nine (9) 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 9 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

50% increase in throughput by switching to MMM with no additional investment in staff or resources

"Prior to implementing the MMM, SHL struggled to complete 3,500 to 4,000 tests per day," said Dr. Vermeiren. "We rolled out the revamped workflow, eliminated the preprocessing bottleneck, and redeployed staff. The following day we completed just over 5,200 tests and then 6,500 tests the day after that – all with our existing staff complement. It's a win-win-win."