



PREVENTION OF FALSE-POSITIVE RESULTS DURING MOLECULAR TESTING

To prevent false-positive results during molecular testing, laboratorians should apply the following best practices:

- Identify dedicated procedure rooms in the laboratory (if possible) for reagent preparation, specimen preparation/extraction, amplification, and product analysis
- Use unidirectional workflow to perform molecular testing (i.e. from clean to dirty only)
- Use dedicated equipment (e.g., pipettes, aerosol resistant tips, refrigerators) and personal protective equipment (PPE) in each of the procedure rooms
- A “no-template” control should be included with each testing batch to check for contamination of reagents or cross-contamination between specimens
- Wipe tests should be routinely conducted in molecular areas to detect amplicon contamination of work surfaces, equipment, and instruments

Use the below section to fill in your laboratory's best practices







