**COBAS LIAT: Multi-analyte & Questionable Positive results**

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| Purpose | To define the process of resulting questionable analyte positive results using Cobas SARS-CoV-2 & Influenza A/B Nucleic Acid Test |

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| Policy | * Monitor for unexpected clusters of positive Flu B results, as this may indicate the cobas Liat System has experienced a tube leak. Repeat test.
* Repeat tests when two or three analytes are positive. Different results on the repeat test may indicate abnormal PCR cycling.
* Send repeatedly multi-analyte positive results to the RRL for confirmation testing by way of the following assay: SARS-COV-2 (COVID-19), INFLUENZA A, INFLUENZA B, MULTIPLEX NAA, HIGH THROUGHPUT [258971].
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| Safety or Special Safety Precautions |  |

 | All laboratory employees are expected to maintain a safe working environment and an injury-free workplace. Laboratory employees are responsible for their own safety, the safety of others and adhering to all departmental and medical center safety policies and procedures.* For standard precautions and safety practices in the laboratory; see **Safety Practices**, specifically, but not limited to, equipment safety, proper body mechanics, sharps exposure and proper use of personal protective equipment (PPE).
* For Universal Body Substance precautions, see **Universal Body Substance Precautions**, specifically, but not limited to, exposure to body fluids.
* For proper handwashing, see **Hand washing Policy**, specifically, not limited to, proper handwashing.
* For proper infection control, see **Infection Control**, specifically, but not limited to, proper use of gloves.
* For proper handling of regular and infectious waste, see **Handling of Regular and Infectious Waste**, specifically, but not limited to, proper disposal of regular and biohazardous waste.
* For proper cleaning of work area, see **Cleaning Work Areas**.
* For proper handling of chemicals and reagents, see the Chemical Hygiene Plan.
* For proper storage and disposal of chemical hazardous waste, see **Storage & Disposal of Chemical Hazardous Waste**. All laboratory employees are expected to maintain a safe working environment and an injury-free workplace. Laboratory employees are responsible for their own safety, the safety of others and adhering to all departmental and medical center safety policies and procedures.
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|  | Follow the steps below in resulting unexpected/questionable Flu A or B result using Cobas SARS-CoV-2 & Influenza A/B Nucleic Acid Test |
| Step | Action |
| 1. | Repeat test using a different Cobas LIAT instrument when encountered with a questionable positive result. |
| 2a. | If repeated result is still positive, report positive result with comment ‘Result verified with repeat analysis’ |
| 2b. | If repeated result is negative and is no longer questionable, report negative result and notify manager for possible false positive result. |

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|  | Follow the steps below in resulting multi-analyte positive results using Cobas SARS-CoV-2 & Influenza A/B Nucleic Acid Test |
| Step | Action |
| 1. | Repeat test using a different Cobas LIAT instrument when two or three analytes are positive. |
| 2a. | If repeated result is still the same with two or three positive analytes, do not report test. Proceed to step 3. |
| 2b. | If repeated result is different, and is no longer questionable, report correct result with comment ‘Result verified with repeat analysis’. Skip steps 3,4, &5. Notify manager for possible false positive results. |
| 3. | Notify provider about delayed resulting for sending out sample for verification. |
| 4. | Send specimen for verification to RRL by ordering SARS-COV-2 (COVID-19), INFLUENZA A, INFLUENZA B, MULTIPLEX NAA, HIGH THROUGHPUT [258971].  |
| 5. | Cancel COVFlu\_MC as ‘Conf by Another Method’. Follow cancellation of test protocol. |

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| Reference |

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| **Document Number** | **Document Name** |
| LAMC-PPP-0123 | Safety Practices |
| LAMC-PPP-0127 | Infection Control |
| LAMC-PPP-0128 | Universal Body Substance Precaution |
| LAMC-PPP-0129 | Handling of Regular and Infectious Waste |
| LAMC-PPP-0130 | Cleaning Work Areas |
| LAMC-PPP-0132 | Hand-washing Policy |
| LAMC-PPP-0134 | Storage and Disposal of Chemical Hazardous Waste |

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