**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 | |  |  | | --- | --- | | **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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