## Yampa Valley Medical Center

## Clinical Laboratory

**Reflex Test Protocols**

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| **Test Ordered** | **Initial Test Performed** | **Criteria for Reflex** | **Tests Ordered by Reflex, as applicable** |
| **Blood Bank** | | | |
| Direct Antiglobulin Test (DAT) | Polyspecific DAT | Positive polyspecific DAT | IgG DAT |
|  |  |  |  |
| Fetal Cell Screen | Fetal Cell Screen | Positive | Fetal Hemoglobin |
| Rh Type | Rh Type | Rh-negative mother with Rh - | Fetal Bleed screen or Fetal |
|  |  | positive or Rh-unknown baby | Immunoglobulin |
| Type and Screen | ABO, Rh, Antibody Screen | Positive antibody screen | Antibody identification |
|  |  | No historical ABO type | ABO Group (retype) |
|  |  |  |  |

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| **Test Ordered** | **Initial Test Performed** | **Criteria for Reflex** | **Tests Ordered by Reflex, as applicable** |
| **Chemistry/Immunoassay** | | | |
| Lactate Arterial Sepsis | Lactate, Arterial | Result of ≥ 2.0 mmol/L | Lactate, Arterial to be drawn 2 |
|  |  |  | hours post treatment/ |
|  |  |  | monitoring. |
| Lactate Venous Sepsis | Lactate, Venous | Result of ≥ 2.0 mmol/L | Lactate, Venous to be drawn 2 |
|  |  |  | hours post treatment/ |
|  |  |  | monitoring. |
|  |  |  |  |
|  |  |  |  |
| Hepatitis C | Hepatitis C IgG and IgM Antibodies | Result is Reactive | Hepatitis C RNA Quantification  (ARUP) |
|  |  |  |  |
| HIV 1/2 Antibody | HIV 1 and 2 Antibodies | Result is Reactive | HIV-1 Antibody Western Blot Confirmation |
|  |  |  |  |
| Hepatitis B Surface Antigen | HBsAG Screen | Result is Reactive | Hepatitis B Surface Antigen Confirmation (ARUP) |
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| **Test Ordered** | **Initial Test Performed** | **Criteria for Reflex** | **Tests Ordered by Reflex, as applicable** |
| **Hematology and Coagulation** | | | |
| CBC/Autodiff | CBC/Autodiff | Per protocol any of the following: Hgb <8.0; MCHC <29.0; PLT <50 >100; RDW >65; RBC/PLT Suspect flags; PLT Clumps | Manual differential or smear review performed. Autodiff not reported. |
| Physician Directed Path | Pathologist Review and | Pathologist required clinical | CBC is automatically ordered |
| Review | Complete Blood Count (CBC) | context for correlation. | and performed. |

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| **Test Ordered** | **Initial Test Performed** | **Criteria for Reflex** | **Tests Ordered by Reflex, as applicable** |
| **Microbiology** | | | |
| Cultures | Culture | Positive culture | Identification, aerobe; |
|  |  |  | Identification, anaerobe; |
|  |  |  | Identification, yeast; |
|  |  |  | Sensitivity; |
|  |  |  | Culture typing; per antiserum |
|  |  |  |  |
|  |  |  |  |
| C-Diff PCR | C-Diff PCR | Positive | C-Diff Toxin (inpatient only) |
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| **Test Ordered** | **Initial Test Performed** | **Criteria for Reflex** | **Tests Ordered by Reflex, as applicable** |
| **Urinalysis** | | | |
| Urinalysis, Reflex | Urinalysis Chemical | Positive | Microscopic Examination |
|  |  | Protein, Blood, Nitrite, and/or |  |
|  |  | Leukocyte esterase |  |
|  |  |  |  |
| Urinalysis with culture if indicated | Urinalysis Dipstick test, Microscopic if applicable | <10 Epithelial cells per high power field AND > 10 WBCs per high power field. | Urine Culture |

**ARUP Reference Lab** <https://arupconsult.com/Algorithms/or.html>