

# STAT Testing

Most commonly requested laboratory tests are available on a STAT basis. STAT testing provided by CentraCare Laboratory Services (CCLS) includes the following tests and approximate times in which results will be available in bona fide emergencies. Emphasis on reliability of results remains the highest priority in laboratory testing. Indicated turnaround times (TAT) represent the average time involved from the time the physician places the order until the test result is reported in the computer. Therefore, the average amount of time for the following tasks is included in the TAT listed.

1. Physician's placement of order
2. Computerized order entry to the laboratory
3. Specimen procurement
4. Pre-analytic specimen preparation in the laboratory
5. Incubation
6. Analysis
7. Result validation and reporting

| <b>Approximate STAT Testing Turn Around Time (TAT)</b>                        |                        |
|---|------------------------|
| <b>Transfusion Service</b>  |                        |
| <b>Test</b>   | <b>Approximate TAT</b> |
| ABO and Rh  | 35 minutes             |
| Antibody Screen   | 90 minutes             |
| Antibody Identification   | 2 to 4 hours           |
| Direct Antiglobulin Test (DAT)  | 30 minutes             |
| Fetal Cell Stain (Kleihauer-Betke)  | 90 minutes             |
| Rh Immune Globulin  | 90 minutes             |
| Type and Crossmatch   | 90 minutes             |
| Type and Screen   | 90 minutes             |
| <b>Blood Products</b>   |                        |
| <b>Test</b>   | <b>Approximate TAT</b> |
| Cryoprecipitate-for every 10 units  | 45 minutes             |
| Fresh Frozen Plasma   | 45 minutes             |
| Platelets-Random or Apheresis (if stock available at CCLS)                    | 30 minutes             |
| Blood Products to Health Plaza  | 3 hours                |
| <b>Additional time is needed for irradiation and antibody identification.</b> |                        |

| <b>Chemistry</b>                |                        |
|---------------------------------|------------------------|
| <b>Test</b>                     | <b>Approximate TAT</b> |
| Acetaminophen                   | 60 minutes             |
| Alkaline Phosphatase            | 60 minutes             |
| Ammonia                         | 60 minutes             |
| Amylase                         | 60 minutes             |
| Bilirubin                       | 60 minutes             |
| Blood Gases                     | 15 minutes             |
| Blood Alcohol                   | 60 minutes             |
| BUN                             | 60 minutes             |
| Calcium                         | 60 minutes             |
| Carbamazepine (Tegretol)        | 60 minutes             |
| Carbon Monoxide                 | 30 minutes             |
| Basic Chemistry Profile         | 60 minutes             |
| Cholesterol                     | 60 minutes             |
| Comprehensive Metabolic Profile | 60 minutes             |
| CPK, LDH, CKMB                  | 60 minutes             |
| Creatinine                      | 60 minutes             |
| Digoxin                         | 90 minutes             |
| Electrolytes                    | 60 minutes             |
| Fetal Lung Maturity             | 90 minutes             |
| Gentamycin                      | 60 minutes             |
| GGT                             | 60 minutes             |
| Glucose                         | 45 minutes             |
| Lactic Acid                     | 60 minutes             |
| Lipase                          | 60 minutes             |
| Liver Function Panel            | 60 minutes             |
| Methotrexate                    | 60 minutes             |
| Phenobarbital                   | 60 minutes             |
| Phosphorus                      | 60 minutes             |
| Phenytoin (Dilantin)            | 60 minutes             |
| Pregnancy Test                  | 45 minutes             |
| Salicylate                      | 60 minutes             |
| SGOT, SGPT                      | 60 minutes             |
| Theophylline                    | 60 minutes             |
| Tobramycin                      | 60 minutes             |
| Total Protein/Albumin           | 60 minutes             |
| Toxicology Drug Screen          | 1 to 2 hours           |
| Triglycerides                   | 60 minutes             |
| Troponin I                      | 90 minutes             |
| Valproic Acid                   | 60 minutes             |

| <b>Coagulation</b>   |                        |
|--|------------------------|
| <b>Test</b>  | <b>Approximate TAT</b> |
| APTT   | 60 minutes             |
| D-Dimer  | 60 minutes             |
| Fibrinogen, Quantitative   | 60 minutes             |
| P2Y12 Inhibitor  | 60 minutes             |
| Platelet Function Analysis (PFA)   | 45 minutes             |
| Prothrombin Time   | 60 minutes             |
| Thrombin Time  | 60 minutes             |
| <b>Hematology</b>  |                        |
| <b>Test</b>  | <b>Approximate TAT</b> |
| WBC  | 45 minutes             |
| RBC  | 45 minutes             |
| Hemoglobin   | 45 minutes             |
| Hematocrit   | 45 minutes             |
| MCV  | 45 minutes             |
| MCH  | 45 minutes             |
| MCHC   | 45 minutes             |
| Platelet Count   | 45 minutes             |
| Differential   | 60 minutes             |
| Sedimentation Rate   | 60 minutes             |
| CSF Cell Count   | 45 minutes             |
| CSF Differential   | 60 minutes             |
| Body Fluid Cell Count and Differential   | 60 minutes             |
| <b>Numerical parameters (all or any combination unconfirmed by smear evaluation)</b> |                        |
| <b>Microbiology</b>  |                        |
| <b>Test</b>  | <b>Approximate TAT</b> |
| <i>Cryptococcus</i> Antigen, Spinal Fluid  | 90 minutes             |
| Gram Stain   | 45 minutes             |
| KOH Prep   | 45 minutes             |
| RSV  | 30 minutes             |
| Strep Screen Group A, Throat   | 30 minutes             |
| Influenza A/B  | 30 minutes             |
| <b>Serology/Immunology</b>   |                        |
| <b>Test</b>  | <b>Approximate TAT</b> |
| Monospot   | 60 minutes             |

| <b>Urinalysis</b>                                      |                        |
|--|------------------------|
| <b>Test</b>  | <b>Approximate TAT</b> |
| Amnisure Kit   | 45 minutes             |
| Dipstick Only  | 25 minutes             |
| Occult Blood   | 30 minutes             |
| Pregnancy Test   | 45 minutes             |
| Dipstick with Microscopic Exam of Centrifuged Sediment | 40 minutes             |

