

95536.1566 Stat Test List and Lab Services

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Approval and Periodic Review Signatures

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Signatures from prior revisions are not listed.

Approvals and periodic reviews that occurred before this document was added to Document Control may not be listed.

Version History

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Stat Test List and Lab Services

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TITLE: STAT TEST LIST AND LAB SERVICES

PRINCIPLE / PURPOSE:

The Laboratory and Blood Bank procedures listed below are those which may be ordered "STAT" at any time, 24 hours/day, without consultation with a pathologist. Under special circumstances many other laboratory tests may legitimately be ordered on a "STAT" priority, but such requests must be discussed directly between the requesting physician and the appropriate (on call) pathologist.

The Laboratory procedures listed below are those which may be ordered and collected "STAT" at any time, 24 hours/day.

SCOPE:

This policy is followed by all Lancaster General Laboratories that perform testing.

POLICY:

The clinical laboratory maintains a comprehensive service of stat tests approved by the Medical Executive Committee.

Routine Laboratory Services

The laboratory provides a full range of medical laboratory and clinical services in diagnostic testing. Testing includes services for Anatomic Pathology and Clinical Pathology. All routine testing is available in the test formulary within Epic eHealth. Additional reference lab tests are available also.

STAT Test List

The standard of performance for "STAT" tests listed below is that the turn-around-time (TAT) from the testing laboratory receipt of the sample to reporting be no more than 60 minutes. This must be recognized as a generalization, not a guarantee. TAT for most of the tests listed will usually be significantly less than 60 minutes. Some tests will invariably take more than 60 minutes to process, either due to the time required for the procedure itself, or the need to call in personnel trained to perform the procedure. When a stat sample is collected at WBH for testing at LGH, the sample is transported ASAP.

Only tests reflected in the STAT test list can be processed on a STAT basis

Clinical Criteria for "STAT" Laboratory Testing

As applied to laboratory test requests, STAT means a request for information that has immediate implications for patient care. The receipt of the requested information will result in action within a reasonably short time, perhaps 15 to 30 minutes, which may alter either the course of the disease or the patient's outcome. The key elements of this definition are: 1) the patient's condition requires immediate action, and 2) results of the test(s) are required before a decision about the type of action to be taken can be made.

BLOOD BANK

Blood Group & Rh Factor

Direct Antiglobulin Test (DAT): for transfusion reaction investigation or presence of hemolysis

Cord blood work up, including cord bilirubin when indicated

Crossmatch for Packed Cells

Cryoprecipitate - pooling and release

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Fresh frozen plasma - 30-minute thawing time minimum

Platelet Concentrate

Transfusion reaction work up

Type & Screen

Uncrossed packed cells: Requires provider signature for Emergency Release Authorization of Blood Products

Note: A full crossmatch requires 60 minutes
from the time of receipt of specimen in blood bank technical area.

CHEMISTRY

Alcohol, Ethyl

Ammonia

Amylase

AMH (Anti-Müllerian Hormone)

AST

BMP (Basic Metabolic Panel)

Beta HCG

Beta-OH Butyrate

Bilirubin, Total

Blood Urea Nitrogen (BUN)

NT-Pro B-type Natriuretic Peptide (NT-pro BNP)

Calcium

Carbon Dioxide

Chloride

Cholesterol

Creatinine

CK (CPK)

CMP (Complete Metabolic Panel)

Cortisol

Electrolytes

Estradiol

Fe (Iron) TIBC

Folate

FSH (Follicle Stimulating Hormone)

Glucose

Hepatic Function Test

Intact PTH

Ionized Calcium

Lactic Acid

LDH

LDL, Direct

LH (Luteinizing Hormone)

Magnesium

Osmolality

Phosphorus

Procalcitonin

Potassium

Progesterone

Protein, Total

Sodium

Troponin T

T₃, Total (Thyroxine, total)

T₄, Free (Thyroxine, free)

Triglycerides

TSH (Thyroid Stimulating Hormone)

Uric Acid

Vitamin B12

Vitamin D, 25-hydroxy

TOXICOLOGY AND THERAPEUTIC DRUG MONITORING

Acetaminophen

Amikacin (tested at WBH only)

Carbamazepine (Tegretol)

Digoxin

Phenobarbital

Salicylates

Tobramycin

Toxicology Screens, urine

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| | |
|------------|---------------|
| Dilantin | Valproic Acid |
| Gentamycin | Vancomycin |
| Lithium | Methotrexate |

URINALYSIS

Urinalysis, Complete
Urinalysis, Routine Chemistry or Microscopic
Urine Pregnancy Test
Urine - specific gravity only

HEMATOLOGY & COAGULATION

Cell Count, CSF or Fluid
CBC, CBCD plus Platelets
D-Dimer
Differential Count, Blood or Body Fluids
Fetaldex
Fibrinogen
Fibrin Degradation (split) products
Hematocrit
Hemoglobin
Infectious Mononucleosis Screen
Platelet Count
Platelet Mapping
Prothrombin Time
Partial Thromboplastin Time
Sedimentation Rate (ESR)
Sickle Cell Test (Sicklelex only)
TEG (Thromboelastogram)

HISTOLOGY/CYTOLOGY - NO STAT TESTS AVAILABLE

MICROBIOLOGY

Blood Cultures: May be requested "STAT" and this will be understood as "Collect STAT". No more than two blood cultures, one from each arm, will be collected per trip. No more than 4 sets in 24 hours.

Cultures: "STAT" priority, applied to a wide variety of "Routine" culture orders, will be Understood as an instruction to nursing service personnel to collect the specimen on a STAT basis. All culture specimens from O.R., tissue, and normally sterile body fluids received in Microbiology are plated promptly after receipt, 24 hours/day.

Gram stain: Preparation and staining.

Molecular testing for microbial DNA/RNA in clinical samples

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Cryptococcal Antigen (CSF or Serum)

BLOOD GAS

Arterial Blood Gas

Capillary Blood Gas

Venous Blood Gas

Pleural Fluid pH

REFERRAL LAB – The following tests may be ordered “STAT”, 24 hours/day, but will be processed elsewhere:

Theophylline

Toxicology Screen, Serum

Any therapeutic drug whose level is critically time-dependent

Consultations/Inquiries

Technical or medical information, related to any of our services and procedures, is available. During routine working hours, calls or visits should be directed to the department involved in the testing. On nights and weekends, the laboratory office will identify the technologist or pathologist “on call” for inquiries or problem solving, as needed.

REFERENCES

1. CAP General Checklist, Turnaround Time, GEN41345.