

DESCRIPTION OF LABORATORY TESTS AND CLINICAL PROCEDURES PERFORMED DURING PREPLACEMENT EVALUATIONS OAK RIDGE NATIONAL LABORATORY

During your medical evaluation, you will undergo a variety of tests and procedures to generate information for the clinician to use in evaluating your health status. The following information provides a brief explanation of the tests that might be done as part of your evaluation.

CBC - Complete Blood Count
<p>This is a blood test that checks for:</p> <ul style="list-style-type: none"> • percentage of blood volume that consists of red blood cells • the number, size, and oxygen carrying capacity of your red blood cells • the number of white blood cells and the percentage of different types seen • the number and size of platelets, which are essential elements for clotting of blood • the presence of blood cells that are abnormal in appearance.
<p>Abnormalities of blood cells can be seen in many different medical conditions.</p>

CHEMISTRY PROFILE
<p>This is a set of blood tests that checks for:</p> <ul style="list-style-type: none"> • Glucose (“blood sugar”): abnormal glucose levels may be an indication of diabetes. • BUN (blood urea nitrogen) and Creatinine: these are measures of kidney function. • SGOT, SGPT, SGGT, and Bilirubin: these are measures of liver function. • Uric Acid: this is a byproduct of cell metabolism; elevated levels can cause gout. • Cholesterol and Triglycerides: these are the chemical forms in which fat is carried in the blood. Cholesterol is further broken down into high density (HDL) or “good” cholesterol, and low density (LDL) or “bad” cholesterol. These numbers can be used to calculate one of your risks for developing heart disease. • Alkaline Phosphatase: this enzyme is found in both the liver and bone and can be elevated in some diseases. • LDH: a nonspecific enzyme found in many different tissues which can be elevated in several different medical conditions, e.g. acute stroke, heart attack.

URINALYSIS
<p>Urine samples are tested for color, appearance, glucose, bilirubin, ketones, specific gravity, pH, occult blood, protein, urobilinogen, nitrites, and leukocytes using dipstick reagent strips. Test results give information on the status of carbohydrate metabolism, kidney and liver function, acid-base balance, and urinary tract infections.</p>

VISION
<p>Tests that assess your near, far and peripheral vision, color and depth perception. <small>HD Rev. 06/2000</small> Tonometry is checked with a machine that blows a “puff” of air onto the surface of the eye as a screening test for glaucoma. (Age 40 and over)</p>

AUDIOMETRY

A series of tests that checks to see how well you hear at various sound frequencies.

ELECTROCARDIOGRAM

A test that registers the electrical impulses of your heart and can detect irregularities in heart rhythm, rate, and electrical conduction.

PULMONARY FUNCTION

Various lung capacity measurements that indicate how well your lungs are working.

CHEST X-RAY

An x-ray picture of your lungs used to assess the health of your lungs and to screen for potential lung conditions.

VITAL SIGNS

Weight, height, blood pressure and pulse are assessed. This information is used in conjunction with other collected data and your health history to help in assessing your health status and risk of developing diseases.

IMMUNIZATIONS

Please check your medical records to determine the date of your last Tetanus Booster. If you have not had one within the last 10 years, a Tetanus & Diphtheria Vaccine will be offered.

**Within a few days after reporting to work,
please come by the Health Division for a TB skin test.**

ORNL HEALTH DIVISION PREPLACEMENT EXAMINATION

PULMONARY FUNCTION.....	Always
X-RAY	Always
BLOOD PRESSURE.....	Always
CBC, DIFFERENTIAL & PLATELET	Always
URINALYSIS	Always
VISUAL ACUITY, AIDED & UNAIDED; PERIPHERAL VISION; COLOR & DEPTH ..	Always
TONOMETRY ...	Age 40 and over
AUDIOGRAM ...	Always
EKG.....	Always
BLOOD CHEMISTRIES	Always
HEIGHT & WEIGHT	Always
DRUG SCREENING	If scheduled