

Download Clues From The Karyotype Lab

Chromosome analysis or karyotyping is a test that evaluates the number and structure of a person's chromosomes in order to detect abnormalities. A karyotype may be used to diagnose genetic diseases, some birth defects, such as Down syndrome, or leukemia and lymphoma. When your doctor orders a blood test, he or she chooses from a list of chemical studies to be performed in a laboratory on your blood sample. These lab tests can provide important clues about what's going on inside your body. 17-hydroxyprogesterone (17-OHP) is a steroid hormone that is produced as part of the process of making the hormone cortisol. This test measures the amount of 17-OHP in the blood to detect and/or evaluate congenital adrenal hyperplasia (CAH), an inherited condition that results in decreased adrenal cortisol and aldosterone and increased male sex hormone production. Chromosomal abnormalities, alterations and aberrations are at the root of many inherited diseases and traits. Chromosomal abnormalities often give rise to birth defects and congenital conditions ...