



KARYOTYPING

Karyotyping can be done on peripheral blood lymphocytes, bone marrow aspirates, amniotic cells, chorionic villi and many other tissues with cell types which can be stimulated into cell cycle. Cells are recruited into the cell cycle, amplified by culture, metaphase plates harvested, Giemsa banded and karyotyped. Our software is ideally suited to give you rapid and reliable results.

Indications for Prenatal Karyotyping include advanced maternal age, a parent with a known chromosomal aberration, previous sibling having a chromosomal aberration / phenotypic abnormality, etc. Other indications include history of congenital heart disease, miscarriage, still births, infertility (male and female), mental retardation, unexplained amenorrhea, unexplained dwarfism, hermaphroditism, skeletal dysmorphisms etc. Disease in which karyotyping is mandatory for diagnosis include Down syndrome, trisomies 13,18,21. Turner syndrome, Klinefelter syndrome etc.