

Download Metaphase Arrest

Metaphase II. Note: Meiosis II is very similar to mitosis. In metaphase II, the second stage of meiosis II, in each of the two daughter cells produced by the first meiotic division (which are known as secondary germ cells), the spindle again draws the chromosomes to the metaphase plate. Cell cycle checkpoints are control mechanisms in eukaryotic cells which ensure proper division of the cell. Each checkpoint serves as a potential point along the cell cycle, during which the conditions of the cell are assessed, with progression through the various phases of the cell cycle occurring when favorable conditions are met. Als Autosomen werden in der Genetik jene Chromosomen bezeichnet, die nicht zu den Gonosomen (Geschlechtschromosomen) gehören. Menschen haben normalerweise 46 Chromosomen in 23 Paaren. Comparative genomic hybridization is a molecular cytogenetic method for analysing copy number variations (CNVs) relative to ploidy level in the DNA of a test sample compared to a reference sample, without the need for culturing cells.