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Spectral Karyotyping

National Cancer Institute

Source

National Cancer Institute. *Spectral Karyotyping*. NCI Thesaurus. Code C20068.

A novel karyotyping procedure which is based on the simultaneous hybridization of 24 chromosome-specific painting probes labeled with different fluorochromes or fluorochrome combinations. The measurement of defined emission spectra by means of interferometer-based spectral imaging allows for the definitive discernment of all human chromosomes in different colors. (from Schrock et al., Hum Genet 1997;101:255-62)