

Resource Summary Report

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Memorial Sloan Kettering Cancer Center Molecular Cytogenetics Core Facility

RRID:SCR_017850

Type: Tool

Proper Citation

Memorial Sloan Kettering Cancer Center Molecular Cytogenetics Core Facility
(RRID:SCR_017850)

Resource Information

URL: <http://www.mskcc.org/research/molecular-cytogenetics>

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Description: Core supports cytogenetic analysis of cells from human and research animal sources. Range of chromosome analysis techniques are ranging from basic G-banded karyotyping, to 24-color Spectral Karyotyping (SKY), as well as Fluorescence in situ Hybridization (FISH) mapping of cloned DNAs. Services include: Karyotype characterization of new cell lines, Confirmation of cell line identity or stability, Karyotype screening of ES cells prior to transgenesis, Mapping of transgene integration sites, Chromosome or locus copy number enumeration, Publication-quality illustrations. Cytogenetic techniques available: Short-term cell culture, Metaphase chromosome preparation, G-banded karyotyping. FISH techniques available: DNA labeling for custom probe generation (for FISH projects), DNA amplification by DOP-PCR, Chromosome painting, FISH mapping (on chromosomes, interphase nuclei or DNA fibers), Tissue FISH (paraffin or frozen sections), Immuno-FISH (DNA FISH combined with fluorescent immunostaining), Spectral karyotyping (SKY), Q-FISH (measurement of telomere lengths).

Synonyms: Molecular Cytogenetics

Resource Type: access service resource, core facility, service resource

Keywords: Cytogenetic, analysis, cell, human, animal, chromosome, G-banded, karyotyping, characterization, service, core, ABRF

Resource Name: Memorial Sloan Kettering Cancer Center Molecular Cytogenetics Core Facility

Resource ID: SCR_017850

Alternate IDs: ABRF_642

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Ratings and Alerts

No rating or validation information has been found for Memorial Sloan Kettering Cancer Center Molecular Cytogenetics Core Facility.

No alerts have been found for Memorial Sloan Kettering Cancer Center Molecular Cytogenetics Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.