

Resource Summary Report

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University of Pittsburgh Cell Culture and Cytogenetics Facility

RRID:SCR_012651

Type: Tool

Proper Citation

University of Pittsburgh Cell Culture and Cytogenetics Facility (RRID:SCR_012651)

Resource Information

URL: <http://www.scienceexchange.com/facilities/cell-culture-and-cytogenetics-facility-pitt>

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Description: The Cell Culture and Cytogenetics Facility carries out classical and molecular cytogenetic analyses. These studies include karyotyping, special staining and banding procedures, and fluorescence in situ hybridization (FISH). This analysis can be performed on cells from blood or tissue specimens from humans or experimental animals, cultured cells, and/or fresh, frozen, or paraffin-embedded tumor biopsies. This approach can be used to characterize the karyotype of cells; map the location of new genes, virus, or transgene insertions; monitor established cell lines to rule out interspecies cell culture contamination or other changes during cell culture; ensure the fidelity of embryonic stem cells prior to production of knockout mice; determine the pattern of chromosomal gains and losses; and enumerate copy numbers of chromosomes or cancer-related genes. The Cell Culture and Cytogenetics Facility provides comprehensive state-of-the-art cytogenetics services ranging from assisting investigators with study design, performing cell culture, preparing probes, carrying out and interpreting classical and molecular cytogenetic analyses, and assisting in manuscript preparation. The laboratory includes equipment for cell culture, cryopreservation, cytogenetic harvests, cytogenetic analysis of human and other mammalian cells, FISH, molecular genetic procedures requisite for FISH, including polymerase chain reaction (PCR) amplification, fluorescence and light microscopy, darkroom for standard photomicrography and printing as well as digital imaging and printing to laser or dye sublimation printers.

Abbreviations: Pitt Cell Culture and Cytogenetics Facility

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

Resource Name: University of Pittsburgh Cell Culture and Cytogenetics Facility

Resource ID: SCR_012651

Alternate IDs: SciEx_610

Record Creation Time: 20220129T080311+0000

Record Last Update: 20260801T191201+0000

Ratings and Alerts

No rating or validation information has been found for University of Pittsburgh Cell Culture and Cytogenetics Facility.

No alerts have been found for University of Pittsburgh Cell Culture and Cytogenetics Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.