Transgenic Animal Core (TAC)

Chromosome counting

TAC provides chromosome counting services for cells of any mammalian species growing in a culture.

Responsibilities of the facility:

- Culture and arrest growing cells in metaphase with colcemid
- Preparation of at least 40 chromosome spreads, following Giemsa or DAPI staining protocol depending on PI's choice.
- Counting chromosome number in all spreads and determination of percentage of euploid cells.

The investigator will provide:

- Frozen cells or live cells
- Submit “a service request form”

Fee is $250 per clone.

Karyotypes obtained from cultured mouse ES cells that were stained with DAPI (left panel) or Giemsa (right panel) stains.