

Flow Cytometry Core Laboratory
Research Resources Branch /Central Laboratory Services Section
Gerontology Research Center/NIA/NIH

REQUEST FOR SERVICES

Name: _____	Date of Request: _____		
Lab: _____	Room: _____	Phone: _____	E-mail: _____
Experiment Name: _____			
Experimental Purpose: _____			

Non-sorting Applications:

- DNA cell cycle analysis: PI _____ HOECHST _____
- Immunophenotypic analysis: FITC PE PerCP Cy5 APC Other _____
- Immunofluorescence analysis: FITC PE PerCP Cy5 APC Other _____
- vs DNA -DAPI _____ or HOECHST _____ or PI _____
- Physiological (viable) markers
 - Calcium Other _____
 - Cell tracking dyes
 - Other _____

Sorting Applications:

- DNA cell cycle analysis: PI _____ HOECHST _____
- Immunophenotypic analysis: FITC PE PerCP Cy5 APC Other _____
- Immunofluorescence analysis: FITC PE PerCP Cy5 APC Other _____
- vs DNA -DAPI _____ or HOECHST _____ or PI _____
- Physiological (viable) markers
 - Calcium Other _____
 - Cell tracking dyes
 - Other _____

Analysis:

- Fluorescence Regions Cell cycle analysis
- Immunofluorescence Quad-stats Cell cycle analysis + sub G1 apoptotic
- _____ Other _____

Number of samples: _____ **(Please include single color controls with all samples)**

Do you want the unanalyzed data transferred to a specific location on the GRC server?

If yes, please provide location _____

Cell/Cell Line Information

Are these cells fixed _____ or viable _____? If viable, are they Biohazardous? _____ No _____ Yes

(this line must be checked or the sample will not be run)

Origin: _____ Human _____ Monkey _____ Mouse _____ Rat _____ Ferret _____ Other

Note: Biohazardous samples are defined as viable, unfixed cells from patients or animals that are positive for HIV, Hepatitis, Herpes B, or, SIV. This definition also includes unfixed cells that have been virally transduced (retrovirus, adenovirus, adeno-associated, or lentivirus). NIH biosafety guidelines require that all human specimens be treated as biohazardous. Human or non-human primate peripheral blood samples for routine immunophenotypic analysis must be fixed with 0.5%- 1.0% paraformaldehyde. It is the investigator's responsibility to inform members of the Flow Cytometry Laboratory as to the potential biohazard status of the sample. This is particularly true when requesting viable cell sorting, since jet-in-air sorting creates aerosols. Failure to do so puts members of the laboratory at unnecessary risk.

