

Facility Core 4: Cell and Tissue Analysis

Flow Cytometry Services Available:	CRED Members	Non-Members
Multiparameter (4-color) immunofluorescence analysis of cell surface and intracellular proteins.	\$ 40.00	\$ 70.00
TUNEL and annexin based apoptosis assays.	\$ 40.00	\$ 70.00
DNA content and ploidy analysis.	\$ 50.00	\$ 85.00
Cell sorting (2 hour minimum charge).	\$ 70.00	\$ 100.00
Multicycle, graphics production and other computer based analysis.	\$ 75.00	\$ 100.00

Additional applications may be added according to the needs of the center members.

Guidelines for use of the Flow Cytometry Service:

1. Investigators are requested to schedule a sample run with Kent Claypool (Facility Core 4 Manager) at least two days in advance for analysis and one week in advance for sorting. A brief consultation is required for scheduling purposes, to discuss controls needed and to expedite any special requests. Charges are based on ½ hour increments.
2. Obtain both a *Service request Form* and a *Service Run Sheet* and complete the information requested. **All requests for service must have an account or grant number with a valid authorization signature.** Please include any collaborations. Under the 'comments' section list the number of events you wish to have acquired if other than the normal 20,000 (i.e. 100,000 for rare events).
3. Samples must be provided in a 12X75mm polystyrene tube (**Falcon #2054**/Fischer Scientific Cat.# 14-959-2A). It is the responsibility of the investigator to be certain that the cells are aggregate free. Samples can be filtered through a 40-70um mesh to remove aggregates. This is extremely important since large clumps of cells can permanently damage a flow cell tip which is costly to replace as well as the instrument downtime to other investigators. Recommended cell concentration is 1×10^6 cells/ml with a 0.5ml minimum. For multiparameter analysis a single positive control must be provided for each color employed.
4. Each Center Member will be provided one hour of free training time for computer analysis of stored data. Thereafter, the operators time will be charged to the investigator for gating and other computer based services.
5. The Flow Cytometry service is provided **for research use only**. Clinical samples or bio-hazardous material will not be accepted.
6. As a center Member if you are located on the M.D. Anderson Main campus in Houston or The University of Texas at Austin campus arrangements can be made for transportation of your samples to our facility for analysis. For more information please contact Kent Claypool at (512) 237-9427. In addition our facility manager will be at the Department of Toxicology in the College of Pharmacy in Austin the first Tuesday of each month for applications, methods development, education and training.