FLOW CYTOMETRY SERVICE REQUEST FORM

Flow Cytometry Facility, The RNA Institute Room # 2023
Institute Director: Professor Paul Agris
Contact: Irfan Khan ikhan3@albany.edu

Date: _____________________________
Grant # (or PO #): ___________________ Authorized Signature: _____________________
Requester Name: ___________________ email: _________________________________
Phone: ____________________________ User Account ID: _________________________
PI Name: ___________________________ email: _________________________________
Phone: _____________________________ Company Name: __________________________
Billing Contact Person: ________________ email: __________________________________
Phone: _____________________________ Billing Address: ___________________________

□ FACS Sort
Usage Month: _____________________
□ Custom Services (Specify):

• BD FACSARia III CELL SORTER:

  1. CMS 1111 BLUE LASER 488 nM: detectors & intended dyes: 780/60 - PE-Cy7, 695/40 - PerCP-Cy5.5 or PI, 675/20 - PerCP, 610/20 - PE-Texas Red, 575/26 - PE or PI, 585/42 - PE or PI, 530/30 - FITC, 488/10 - None(90 degree light scattering).

  2. RED LASER 633 nM: detectors & intended dyes: 780/60 - APC-Cy7, 660/20 – APC.
• **SAMPLE PREPARATION REQUIREMENTS:**

1. ALL Runs Require: Negative stain controls (0.5ml minimum volume). Compensation controls for each fluor or BD CompBeads stained with each fluorescent labeled antibody (see www.bdbioscience.com for more information on BD CompBeads).

2. Samples Single particles in non-protein buffer: 0.5-2.0 X 106 particles/ml in 0.5-1.0 ml/sample tube.

   - SORT Runs: cells should be 20-30 million/ml (5000-35000 events/sec flow rate).
   - SORT times: 1-2 mls of sample volume/ hour (0.2-0.8 ul/sec).
   - Collection rate (cells/hr) = 2(%) viability) X (% positive) X (cell conc.)
   - Collection time= (sort # target) X (collection rate).
   - Collection Tubes: Investigator should bring collection tubes 1ml, 5ml, or 15 ml with appropriate medium.

3. Description of Sample (cell type, pathogenicity, DNA, etc.)

4. Fluorescent probe / dye characteristics (spectra, EX nM, EM nM)