Calcium Flux Acquisition on the NovoCyte® Flow Cytometer

Instrument settings NovoCyte Flow Cytometer

1. Set NovoExpress® Software to keep a fixed time gap between acquisition
   a. Select Settings tab->Experiment-> keep time gap fixed when appending sample events for calcium flux assay

Sample Collection

2. Collect Baseline
   a. Set Stop Conditions at 25μL
   b. Uncheck the "Rinse after Sampling" checkbox
   c. Collect Baseline by clicking “Run”

3. Collect Sample after addition of stimulation reagents
   a. Append data to the sample: In the same sample change the “stop condition” to 125μL
   b. Click “Run” for sampling: Pop up window will appear but sample acquisition will not start
   c. Add stimulation reagents to cell suspension
   d. Vortex Sample
   e. Click “Append” in pop up window
   f. Sample acquisition will start and appended to the sample