

Flow Cytometry Videos for Effective Instrument Training and Troubleshooting

One of the primary goals of the **Wistar Flow Cytometry Shared Resource** has been to provide support for the use of flow cytometric services by Cancer Center investigators, specifically to provide training and ongoing education to investigators in basic and advanced user-friendly operations.

These videos have been recorded and edited to mimic in-person training and are broken into segments for easier viewing. The segments begin with an introduction to available instruments and resources, then proceed to instrument start-up, continue stepwise to segments for experimental set-up within the FACSDiva operating software used on all the instruments, creating specimens and tubes, building worksheets and gating logic, sample running and data acquisition, exporting of data, and final clean-up.

Videos for more advanced techniques include a complete demonstration of how to perform compensation based on a multicolor panel of eight fluorochromes, as well as use of the biexponential editor.

Troubleshooting videos have also been created so that users may diagnose and perform basic fixes when no events are seen, and to solve some fluidics problems.

Many investigators have viewed these videos and have found them extremely helpful and easy to follow.

The complete library of training videos may be found in the Flow Cytometry folder on the Wistar tempdrop; look for the folder named “FlowCytometryVideoTraining”.

It is best to first look at the Powerpoint file: “Part 1 READ ME...”, which explains how to proceed in a step-by-step fashion. Approximate duration for each video segment is also given. It is best for you to copy the video(s) you want to view to your computer, leaving the originals on the tempdrop.