

Cytoflex Tutorial Checklist

Working in the flow unit:

- No food or beverages are allowed except for closed bottles
- The workstation should be left clean and organized
- Ensure you take your belongings, such as articles, protocols, experiment layout, etc.
- Instructions on the reservation system and working with the KIOSK
- REGISTRATION FORM, Reservation and registration, Safety Instructions, Shadow protocol.

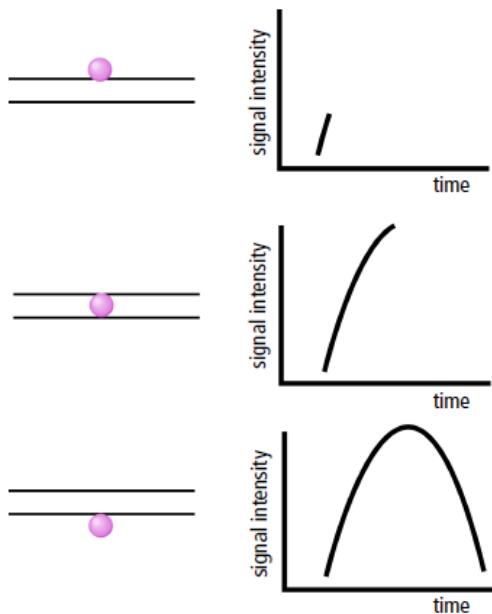
Kiosk

- Sign in before starting work (verify budget)
- Sign out after finishing work
- If you have a tutorial, sign up for both sessions
- Turn off Cytoflex if the next user has more than 2 hours until their session
- Verify that the next user is coming (after working hours)

CytExpert

- Startup and prime
- Run fluorospheres daily QC Beads
- Experiment (open new, create a template)
- Sample Acquisition (counting and recording, moving between samples)
- Compensation
- Adjust detector voltages
- Graphs and gates (creating, renaming, modifying and applying to all samples)
- Record mode (storage gate and stopping gate)
- Export and access data (PDF batch export)
- Analysis on CytExpert, Flowjo, FCSExpress and Cytobank
- Cleaning
- Shutdown

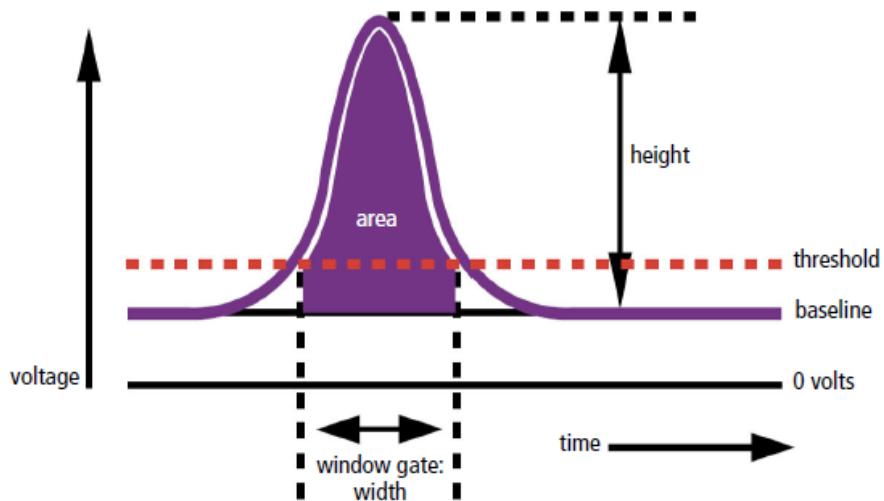
Figure A-10 Anatomy of a pulse



Pulse Measurements

The pulse processors measure pulses by three characteristics: height, area, and width.

Figure A-11 Pulse measurements



- Pulse height is the maximum digitized intensity measured for the pulse.
- Pulse area is an integration of the digitized measures over time.
- Pulse width calculates: $\frac{\text{area}}{\text{height}} \times 64,000$