

Cytek Aurora Sit Calibration

- If using microtiter/bullet tubes inside a regular FACS tube, the SIT lift distance may need adjusting:
 - Install a FACS tube with bullet tube inside on the SIP
 - Go to Cytometer -> Calibrate SIT
 - Increase the number in the SIT Lift Distance field by 1 millimeter (For example, if SIT lift distance is set at 0.75, increase the number to 1.75)
 - Hit the 'Calibrate SIT' button and check that the sample line depth is satisfactory when the probe extends during calibration. The probe should not be flush with the bottom of the tube – a small space is required to avoid clogging. Click Ok if distance is satisfactory or enter a new number in the SIT Lift Distance field to try a new distance.

- If using the plate loader, the SIT lift distance may need adjusting:
 - Install plate on loader (it will calibrate on well A1 – it is okay if there are cells present in the well, as performing a calibration does not take any sample)
 - Go to Cytometer -> Calibrate SIT
 - The recommended starting point for U bottom plates is a lift distance of 1.5, this number may need to be increased for flat bottom plates
 - Hit the 'Calibrate SIT' button and check that the sample line depth is satisfactory when the probe extends during calibration. The probe should not be flush with the bottom of the well – a small space is required to avoid clogging. Click Ok if satisfactory or enter a new number in the SIT Lift Distance field to try a new distance.