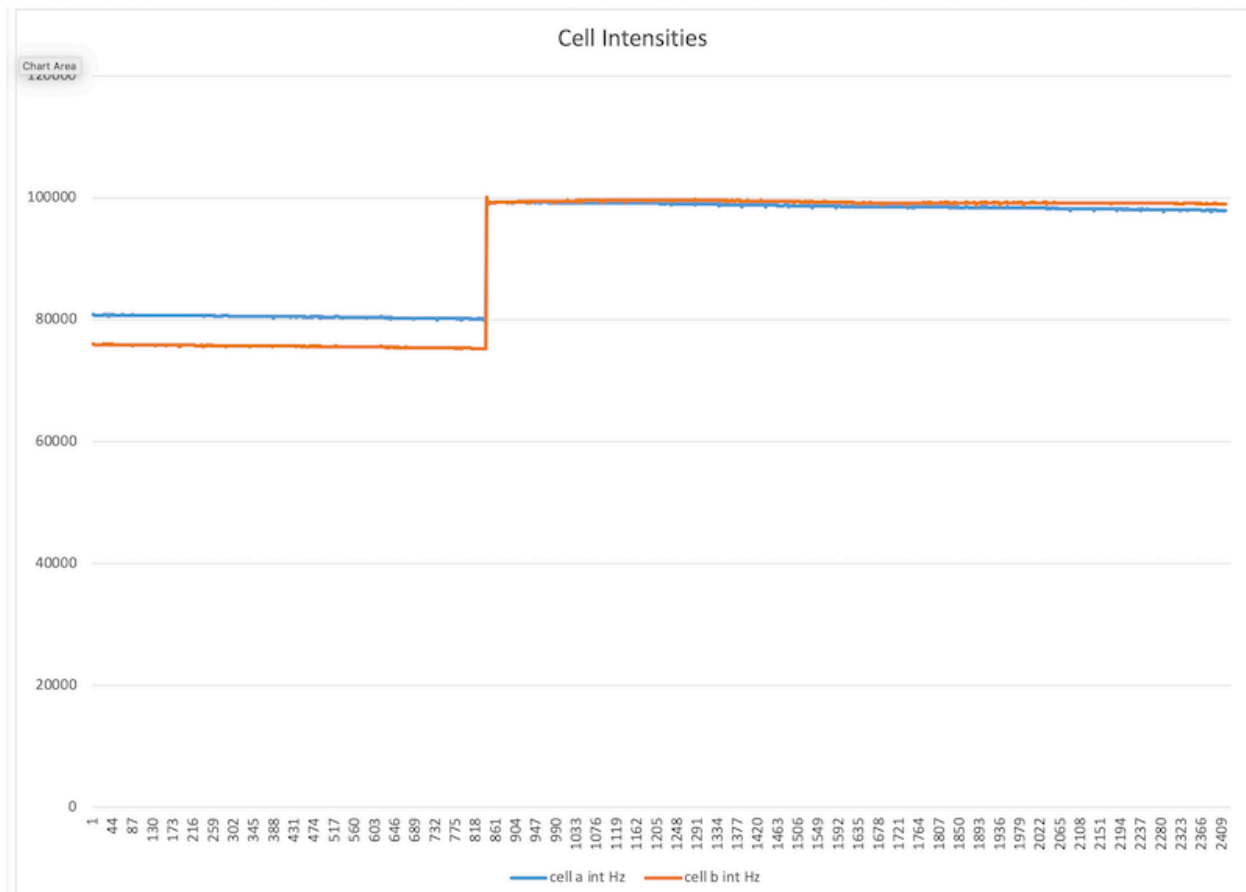


## Thermo 49i – Adjusting Cell Intensities



As the photometer lamp ages it is normal for the Cell A and Cell B intensities to drop. Although the analyzer will still function with intensities from 45,000 Hz to 150,000 Hz, it should be kept between the limits of 65,000 Hz and 120,000 Hz. When one of the intensities approaches 65,000 Hz, the lamp should be adjusted. In the Service Menu, select Lamp Setting. Using the Up and Down arrows, adjust the lamp so that the intensities are about 100,000 Hz. If the Lamp Setting reaches 100%, and one of the cell intensities is below 65,000 Hz, the photometer lamp needs to be replaced.

Once the two intensities are close to 100,000 Hz, perform the Detector Calibration from the Service Menu. This will apply a factor to the intensities, making them both exactly 100,000 Hz.