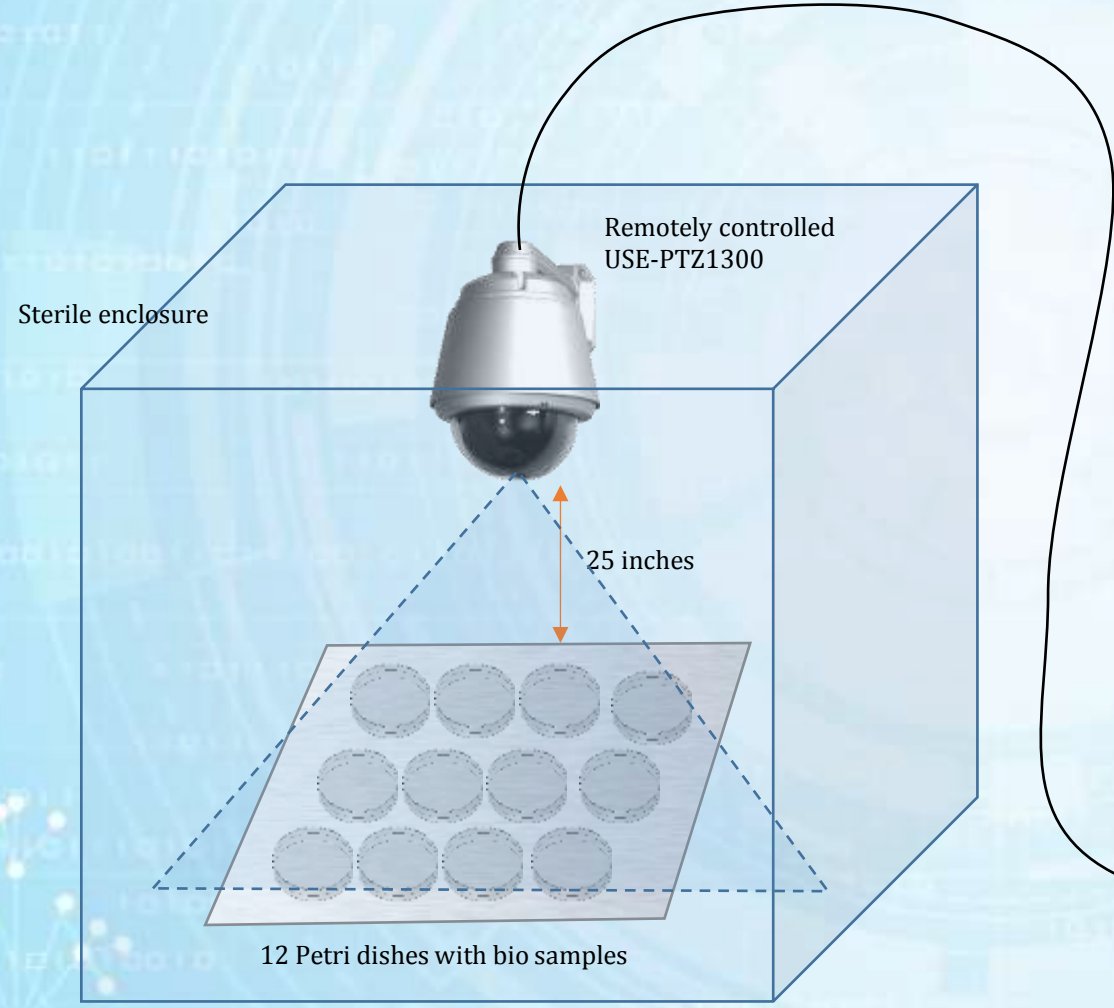


# Biological Culture Growth Application



Biological samples must be contained in a clean, sterile environment. Researchers want to observe the growth of the samples without contamination.



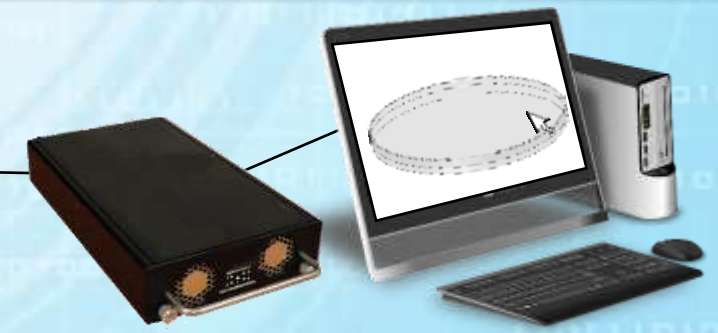
**Solution:**

A Pan & Tilt Zoom Dome Camera (USE-PTZ1330 camera) is used to capture images of the biological samples' growth. The USE-PTZ1330 allows for the image capture process to be completely remote controlled which reduces the risk of contamination.

The USE-PTZ1330 is remote controlled and positioned inside of a sterile enclosure, 25 inches above the 12 petri dishes containing the biological samples. The camera has 360x zoom control and view all petri dishes simultaneously or zoom into an individual dish..

It is connected via HD-SDI cable to a computer and recorder. The researchers are then able to record and view the data.

80 ft GigE Cable



Computer and Recorder