

Child Care Facility

A child care facility was looking for technology solutions to provide a safe and healthy work environment for its staff and children. AIRPHX deployed a single CID 75k unit (rated at a maximum coverage size of 75,000 cubic feet) in the building (100,000 cubic feet) and did testing to show the effects of AIRPHX technology. While the reduction of pathogens achieved in the facility are less than typical for AIRPHX given the coverage, both air and surface pathogens were in the range considered clean and acceptable.

- Equipment: One AIRPHX CID 75k
- Testing Dates
 - Pre-Treatment: 7/16/2020
 - In-Treatment: 9/8/2020
- Size: 10,000 sq ft; 9-11 ft ceilings
- Air and surface testing was conducted throughout the entire facility
 - Lab testing of 15 locations confirmed reduction of airborne pathogens by an average of 73.0%
 - Lab testing of 6 locations confirmed reductions of surface pathogens by an average of 84.8%

* A CFU is a colony forming unit, which is used in microbiology to estimate the number of viable bacteria or fungal cells in a sample.



Air | **73.0% reduction of pathogens**

Pre-Treatment Results*: 356 cfu/m³

In-Treatment Results: 96 cfu/m³

Surface | **84.8% reduction of pathogens**

Pre-Treatment Results: 27.0 cfu/cm²

In-Treatment Results: 4.1 cfu/cm²