Air handling is a key element to cleanroom operation; there are various methods to implement air handling, our system uses a unidirectional vertical air flow.

Fresh outside air is brought in through 8 High Efficiency Particulate Air (HEPA) filters and dehumidified before it reaches the cleanroom plenum.

The air inside the cleanroom is constantly recirculated and supplemented with outside air.

14 air handler units move air from the plenum into the cleanroom.

There are a total of 84 HEPA filters that pre-filter air going into the 14 air handlers.

The entire ceiling of the cleanroom is covered with 296 Ultra Low Particulate Air (ULPA) filter panels; the air handlers push the air through these filters.

The air moves unidirectional downward toward the floor and exits through vents along the bottoms of the walls.