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The 'Centro di Medicina Genomica' of the 'Università degli Studi dell'Insubria', in collaboration with OVER spa, evaluated the efficacy of the AirFlow air purifier.

The AirFlow was located in the 'padiglione Bassani' at the forementioned University.

Experiments were conducted following this protocol:

- Air contamination: we collected samples of 1m³ of room air, to evaluate the presence of bacteria (3 sampling) and fungi (3 sampling).
- AirFlow purification efficiency: we collected samples of air coming out from the AirFlow purifier, to evaluate bacteria (3 sampling) and fungi (3 sampling) surviving the purification process.
- Colony growth: bacterial samples were grown for 48h while fungal ones were cultured for 72h.
- Counting colonies: bacterial colony number was evaluated after 24h and 48h while fungal colonies were counted at 48h and 72h.

Air contamination:

Bacterial colonies were 114 after 24h and 197 after 48h.

Fungal colonies were 65 after 48h and 97 after 72h.

AirFlow purification efficiency:

We counted 3 and 4 bacterial colonies in air coming out from the AirFlow purifier, at 24h and 48h respectively.

1 and 2 fungal colonies grew at 48h and 72h, respectively.

Colony reduction:

We observed a 97,4% and 98% reduction in bacterial colony number at 24h and 48h, respectively.

Reduction in fungal colonies was 98,5% after 48h and 98% after 72h.

Director of the Centro di Medicina Genomica
Prof. Giovanni Porta

