Independent laboratory test confirms: IQAir's HyperHEPA® is best technology

The accredited test laboratory *Interbasic Resources, Inc.* purchased a number of room air cleaners on the open market and tested them for their filtration efficiency. Only the IQAir[®] HealthPro[®] Plus (equivalent to the European and Asian IQAir[®] HealthPro[®] 250 model) was able to trap over 99% of virtually all types of pollution particles. Since the Allergen 100 model features identical particle filters to the HealthPro[®] Plus/250, the same result can be expected of this IQAir[®] model.

The 4 air cleaners tested are among the best rated air purifiers of their respective air cleaning technologies:

- IQAir[®] HealthPro[®] Plus (European/Australasian equivalent: IQAir[®] HealthPro 250)
- Synthetic HEPA air cleaner
- Fan-powered electronic air cleaner
- Fanless electronic air cleaner

The below graphs show the results of independent laboratory tests conducted by *Interbasic Resources, Inc.*, Michigan, USA. All air cleaners were tested in new condition at high (fan speed) setting.





Efficiency was determined for bacteria size particles (0.1-0.3 microns)



Efficiency was determined for tobacco smoke size particles (0.05-0.5 microns)



cat allergen size particles (0.3-3.0 microns)





pollen size particles (>5 microns)

IQ MB-IndepLabTest 2904 GB

INCEN AG

The main advantages of a high efficiency air cleaner

While high efficiency is not the only performance parameter of an air cleaner, it is one of the most important features. A high efficiency air cleaner ensures that:

- 1. Users in proximity to the air cleaner breathe the cleanest possible air.
- 2. Less air circulation (air delivery) is needed to clean the air in a room. This means that the air cleaner can be set to a lower speed than less efficient air cleaners, resulting in less noise and less air drafts.
- 3. Trapped air pollutants remain in the filter and are not released back into the room.

IQAir's efficiency never decreases - it actually increases with usage

The independent test results on the previous page, are for air cleaners in new condition. Further testing has shown that the efficiency of all the tested air cleaners, except the IQAir[®] system, drastically decreases with usage. Over time these air cleaners trap less and less pollution particles and may actually start to release trapped particles.

Electrostatic air cleaners need to be cleaned constantly to counteract this drastic loss of efficiency. IQAir's efficiency never decreases, even without filter maintenance*. Trapped particles are never released back into the environment. That is one of the main reasons why IQAir[®] systems with HyperHEPA[®] technology are used for airborne infection control in critical hospital environments across the world.

