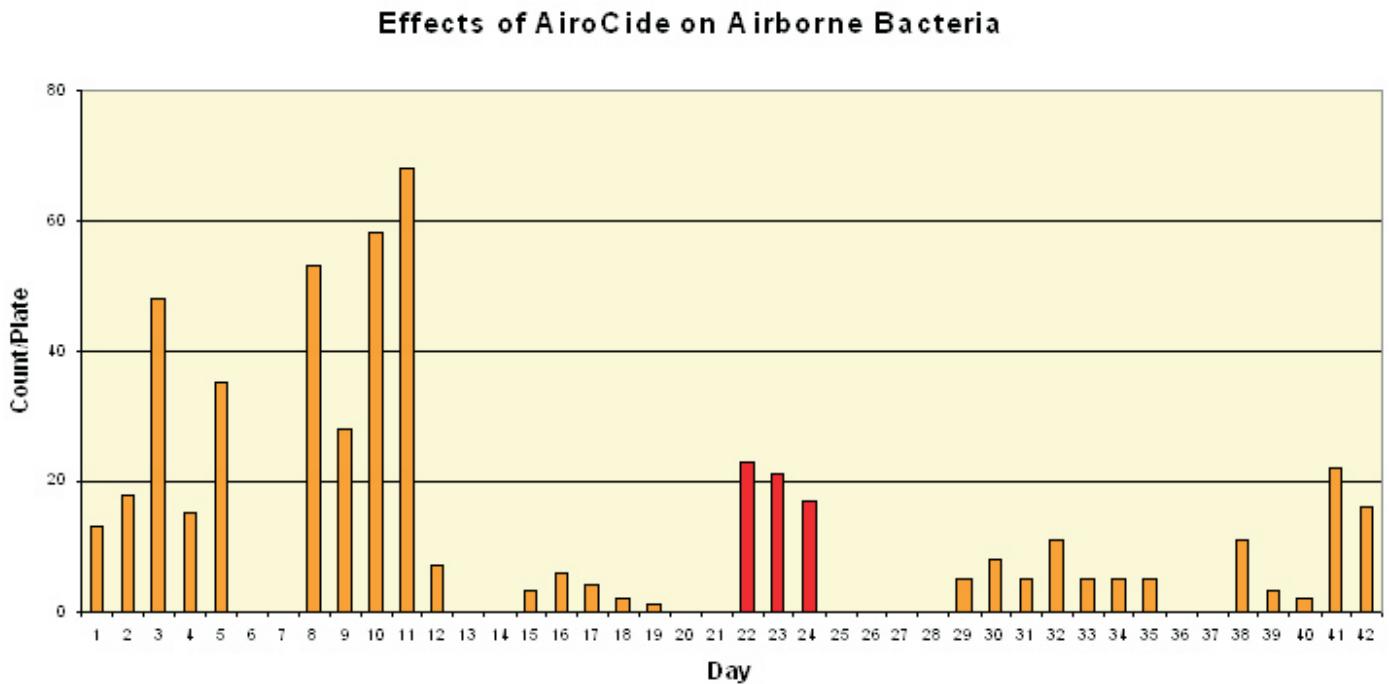


Long term microbial count trial (August 2004)

In a second trial an AiroCide™ ACS-50 was placed within an animal holding room. The effect of the AiroCide™ can be seen immediately, by comparing the counts before the AiroCide™ was introduced with those afterwards. These obvious microbial reductions are seen despite the fact that the room was supplied with filtered air and had multiple air changes per hour. The AiroCide™ was seen to complement HEPA and HVAC systems.

The graph below shows the total viable count (TVC) readings taken throughout the study.



1000 litre air sampling was taken each day at approximately 1100hrs for 42 days (except at weekends). The AiroCide™ was first switched on on Day 8 and then switched off on Day 35.

The total colony count graph clearly shows the action of the AiroCide™. The high counts seen before the AiroCide™ were rapidly removed once the air had been drawn through the AiroCide™.

There was a period of increased activity within the unit – moving animals around, dirty bedding – this contaminated the sample and the AiroCide™ was unable to clean all of the air before it was sampled. It was seen that these increases were rapidly removed.

The rise seen towards the end of the study was seen after the AiroCide™ was turned off at Day 35 – allowing organisms to build up in the air again.