CASE STUDY – Hospital CFU reduction

Issue: A simple (before and after) study was conducted in a large patient recovery area of a major hospital to determine the capacity of Odorox® technology to reduce airborne bacteria defined as Colony Forming Units (CFUs). The CFU **target** in the main area where the study was conducted (i.e. patient recovery room) was 200 but routinely exceeded 1000 and often 10,000 despite ongoing disinfection methods.

Outcome: Within **one hour** of the installation of Odorox® technology (Slimline units) CFU's had reduced in the ambient air to below 200 and ultimately to as low as 40 following 2 weeks of continuous use in normal patient management conditions. Other data showed significant effects with only intermittent use of Odorox and also positive effects on CFU reduction in adjoining areas in the hospital which had **not** been directly treated.

NB. There was no statistically significant benefit due to Odorox® on surfaces due to the need to maintain ongoing disinfection practice and a lack of prevalence of CFUs in those areas. (This is subject to further trials) .Full study report in preparation.