



ABSTRACT

Several studies have reported presence of *Legionella* spp. from many different sources, however, antimicrobial susceptibility of isolates from air-conditioned units from academic institutions has not been documented. The purpose of this study was to investigate the antimicrobial susceptibility of *Legionella* spp. isolated from air-conditioned units of a tertiary academic institution against commonly used antibiotics erythromycin, ciprofloxacin, ofloxacin, rifampicin, and clindamycin using Kirby Bauer method. Six isolates of *Legionella* spp. obtained from air-conditioned units of a tertiary academic institution in Dasmariñas, Cavite were tested. All isolates of *Legionella* spp., showed sensitivity to erythromycin, ciprofloxacin, ofloxacin, rifampicin and clindamycin. Since environmental and anthropogenic factors play a key role in the spread of *Legionella* spp., it is important that methods for disinfection should furthered be looked upon for it's efficacy to reduce microbial survival hence reducing further possible infection. Even though the *Legionella* spp. obtained from the air-conditioned units were found to be sensitive to the said drugs, clinical strains will still be dependent on host factors and may have a different outcome.

