

Roger Sciences, Inc. (RSI)

Rapid Point-of-Care Detector of Drug-Resistant Bacteria and Biofilms to Reduce Inappropriate Antibiotic Use

Rogers Sciences Inc. (RSI) is a medical device company with clinical and basic science expertise in delivering cost-effective ambulatory care that leverages off its technical expertise in opto-electronics and biotechnology. RSI will develop, refine and commercialize a novel, point-of-care detection system to identify the presence and antimicrobial susceptibility of up to 24 pathogens in under 8 minutes from the time of specimen collection. This cost-effective, highly portable technology is fully automated and selfcalibrating for deployment at the bedside as well as in remote and underserved settings. Skilled laboratory personnel and facilities are not required for operation. Successful development and commercialization of this technology will enable providers to make an immediate bedside diagnosis of possible infection and, if indicated, prescribe a more appropriate antimicrobial intervention thus allowing the physician to avoid the unnecessary use of antibiotics while providing precisely targeted interventions.