Conditioned medium from Listeria innocua stimulates emergence from a resting state: not a response to E. coli quorum sensing autoinducer AI-2.
Conditioned medium from Listeria innocua stimulates emergence from a resting state: not a response to E. coli quorum sensing autoinducer AI-2.

The lag phase of the bacterial growth curve is an important determinant in speeding the detection of pathogens. It is essential therefore to control or eliminate the lag phase. The lag phase is the period of time between the inoculation and the exponential phase of growth. In this study, we investigated the effect of conditioned medium (CM) from L. innocua on the lag phase of bacterial growth. We found that CM from L. innocua stimulates emergence from the lag phase, but this stimulation is not due to E. coli quorum sensing autoinducer AI-2.

These findings indicate that secreted signal molecules may be found in CM that speed detection of L. innocua.