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# **Deficiency of quorum sensing system inhibits the resistance selection of *Pseudomonas aeruginosa* to ciprofloxacin and levofloxacin in vitro**

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## **Highlights**

- Deficiency of quorum sensing system inhibits the resistance selection of *Pseudomonas aeruginosa* to ciprofloxacin and levofloxacin in vitro
- Compared to ciprofloxacin, minimal inhibitory concentrations to levofloxacin showed the half and delayed increase in the vitro selection.
- The repeated measures analysis of variance was used to study effects of the continuous incubation on the resistance to CIP and LEV.
- The Special and useful vitro selecting method had been established.

## **Abstract**

**Objectives:** The objective was to investigate how deficient of quorum sensing system (QS)

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