*Supplementary Material*

# Detection of antilisterial activity of 3-phenyllactic acid using *Listeria innocua* as a model

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## Supplementary table

**Table S1** Survival kinetic parameters estimated on *L. innocua* ATCC 33090 after exposure to phenyllactic acid at MIC concentration detected at pH 5.5 (PLA_MIC), lactic acid at MIC concentration (LA_MIC), lactic acid at same concentration of MIC of PLA (LA_PLA) or without preservative agents (C).

| Samples | Models | Log($N_0$) (Log CFU/mL) | Sl (h) | $K_{max}$ ($h^{-1}$) | 4D (h) | RMSE | adj-$R^2$ |
|---|---|---|---|---|---|---|---|
| C | Log-linear | 8.4 ± 0.2a | - | 0.03 ± 0.02a | >24 | 0.116 | 0.385 |
| PLA_MIC | Log-linear + S | 8.2 ± 0.2a | 7.5 ± 0.4a | 0.92 ± 0.07b | 17.5 ± 0.9a | 0.241 | 0.988 |
| LA_MIC | Log-linear + S | 8.3 ± 0.3a | 4.2 ± 0.3b | 0.56 ± 0.05c | 20.9 ± 0.7b | 0.111 | 0.995 |
| LA_PLA | Log-linear + S | 8.2 ± 0.2a | 5.5 ± 0.4c | 0.43 ± 0.05d | >24 | 0.126 | 0.935 |

Mean ± standard deviation of three independent experiments. Means in the same column with different letters are significantly different ($P < 0.05$). Log-linear + S, Log-linear model with shoulder; $N_0$, Initial inoculum concentration; Sl, Shoulder length; $K_{max}$, First order inactivation rate constant; 4D, Logcycles of reduction; RMSE, Root mean sum of squared error; adj-$R^2$, R-square adjusted coefficient of determination.