Table S1. Growth efficiency and limit of detection of CIN and modified CIN for pure cultures of *Y. enterocolitica*.

|  |  |
| --- | --- |
|  | **Percentage of positive plates** |
|  | **YE2/O:9****(IP383)** |  | **YE 3/O:1,2,3****(IP135)** |  | **YE 1B/O:8** **(ATCC 9610)** |  | **YE 1A/O:5** **(PC-M16-2)** |
| **Dilution of YEa seeded on plate (cfu/ml)** | **CINb (aec)** | **mCINd (ae)** | **mCIN (mice)** |  | **CIN (ae)** | **mCIN (ae)** | **mCIN (mic)** |  | **CIN (ae)** | **mCIN (ae)** | **mCIN (mic)** |  | **CIN (ae)** | **mCIN (ae)** | **mCIN (mic)** |
| 108 | 100 | 100 | 100 |  | 100 | 100 | 100 |  | 100 | 100 | 100 |  | 100 | 100 | 100 |
| 107 | 100 | 100 | 100 |  | 100 | 100 | 100 |  | 100 | 100 | 100 |  | 100 | 100 | 100 |
| 106 | 100 | 100 | 100 |  | 100 | 100 | 100 |  | 100 | 100 | 100 |  | 100 | 100 | 100 |
| 105 | 100 | 100 | 100 |  | 100 | 100 | 100 |  | 100 | 100 | 100 |  | 100 | 100 | 100 |
| 104 | 100 | 100 | 100 |  | 100 | 100 | 100 |  | 100 | 83 | 83 |  | 100 | 100 | 100 |
| 103 | 100 | 100 | 100 |  | 100 | 100 | 100 |  | 100 | 100 | 67 |  | 100 | 100 | 100 |
| 102 | 83 | 83 | 100 |  | 100 | 100 | 100 |  | 100 | 100 | 50 |  | 100 | 100 | 100 |
| 101 | 83 | 83 | 100 |  | 100 | 100 | 100 |  | 100 | 67 | 33 |  | 100 | 100 | 100 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LODf (cfu/ml) | 101 | 101 | 101 |  | 101 | 101 | 101 |  | 101 | 101 | 102 |  | 101 | 101 | 101 |

a YE, *Yersinia enterocolitica*

b CIN, Cefsulodin-Irgasan-Novobiocin

c ae, aerobic

d mCIN, modified CIN

e mic, microaerophilic

f LOD, limit of detection

The underlined numbers correspond to the scores of LOD for each *Y. enterocolitica* strain. The LOD was defined as the lowest cfu/ml of culturable *Y. enterocolitica* detectable in at least 50% of the replicates seeded with *Y. enterocolitica*.